



2024 Annual Report to the Membership

October 1, 2023 - September 30, 2024



2024 Annual Report to the Membership Table of Contents

2024 Annual Business Meeting Agenda	4
• 2024 Annual Business Meeting Minutes	5
• President’s Report	11
• Treasurer’s Report	12
• Secretary’s Report	13
Technical Committee Reports	
• Accredited Standards Committee N14	14
• Accredited Standards Committee N15	17
Standing Committees	
• Annual Meeting	22
• Awards Oversight	29
• Chapter Relations	30
• Communications	31
• DEIA	34
• Education and Training	37
• Fellows	38
• Governance	40
• Historian	41
• Journal	46
• Membership	47
• Strategic Financial Growth	55
• Strategic Planning	57
Professional Chapters	
• Central	58
• Japan	60
• Korea	62
• Southeast	64
• Southwest	65
• Vienna	68
Student Chapters	
• Ahmadu Bello University (Nigeria)	75
• Amity University (India)	78
• Jordan University of Science and Technology (Jordan)	90

• Korea Advanced Institute of Science and Technology (Korea)	95
• Middlebury Institute of International Studies at Monterey Chapter (United States)	99
• Oregon State University (United States)	101
• Pennsylvania State University (United States)	103
• Texas A & M University (United States)	107
• Universitas Gadjah Mada (Indonesia)	113
• University of Florida (United States)	130
• University of Illinois Urbana-Champaign	132
• University of Michigan (United States)	138
• Virginia Commonwealth University (United States)	140

Technical Divisions

• Facility Operations	141
• International Safeguards	143
• Materials Control and Accountability	145
• Nonproliferation and Arms Control	146
• Nuclear Security and Physical Protection	148
• Packaging, Transportation, and Disposition	150

Annual Business Meeting
Wednesday, July 24, 2024
INMM 65th Annual Meeting

5:00 PM | Portland, Oregon

[SEE ANNUAL REPORT TO THE MEMBERSHIP PUBLICATION]

AGENDA

- | | | |
|-----|---|-----------|
| 1. | Call to Order | Schanfein |
| 2. | Approval of Minutes | McKinney |
| 3. | President's Report | Schanfein |
| 4. | Treasurer's Report | Andre |
| 5. | Secretary's Report | McKinney |
| 6. | Committee Reports | Schanfein |
| 8. | Chapter Reports | Pepper |
| 9. | Technical Division Reports | Hernandez |
| 10. | New Business | Schanfein |
| | a. Outgoing Executive Committee Awards | |
| | b. Recognition of Sustaining Members | |
| | c. Recognition of New Senior Members | |
| 11. | Drawings for Two Complimentary 2025 Memberships | |
| 12. | Adjournment | |

2023 Annual Business Meeting Minutes
Wednesday, August 16, 2023

NOTE: The meeting was conducted virtually

Call to Order

The 64th Annual Business Meeting of the Institute of Nuclear Materials Management, an Ohio nonprofit corporation, convened on August 16, 2023 via the Zoom virtual platform for the INMM Annual Meeting after notification to all members. President Mark Schanfein announced that a quorum was present and called the meeting to order. He asked participants to submit their new business items in the online chat function feature.

Approval of July 2022 Business Meeting Minutes

Secretary Teresa McKinney noted that the minutes of the INMM July 2022 Annual Meeting were included in the Annual Report and on the Resources tab for the virtual meeting. She called for any comments or corrections.

A motion to approve the minutes with this correction was made by Susan Pepper, with a second by John Oakburg. It was approved via a majority vote, with no nays or abstentions.

President's Report

Mark Schanfein noted a few highlights over the last year:

- INMM has returned to in-person meetings with the Joint Annual Meeting in Vienna.
- New partnership agreement with WiN International
- Collaboration with partners at the Annual Meeting
- The Annual Meeting content available on demand
- DEIA Committee PDP program
- Increased diversity efforts funded by grants
- INMM partnership on PATRAM 22 (held in June 2023)
- INMM presence at 2022 IAEA symposium and upcoming events
- Continued commitment to 2022-2025

Treasurer's Report

Jim Andre gave highlights of the Treasurer's Report:

- Report in the packets is current as of May 31, 2023
- At that time, total assets were \$1,040,288
- The associated total liabilities were \$47,098, resulting in net assets of \$993,190
- INMM fiscal year runs 10/1 - 9/30.
- At the close of the 2021-2022 fiscal year on 9/30/22, the gross income was \$422,810, and the associated expenses were \$518,944, resulting in a deficit of (\$96,134)

- The 2022 – 2023 budget currently projects a deficit for the year. This is due to INMM's significant investment in an international meeting with content available on demand. The meeting marked the fulfillment of INMM's long-term plans and served several of the objectives in the INMM Strategic Plan. The success of this meeting has positioned INMM with a strong foundation for future growth and partnerships.
- The INMM 990 is available to any members

Secretary's Report

Secretary Teresa McKinney reported the outcome of the elections for the 2022 Executive Committee and presented the new Executive Committee to serve starting October 1:

Member at Large – Yana Feldman

Member at Large – Amanda Rynes

The full Executive Committee will consist of:

- *President – Mark Schanfein*
- *Vice President – Tina Hernandez*
- *Secretary – Teresa McKinney*
- *Treasurer – James Andre*
- *Members-at-Large:*
 - *Sunil Chirayath through 9/30/24*
 - *Laura Rockwood through 9/30/24*
 - *Yana Feldman through 9/30/25*
 - *Amanda Rynes through 9/30/25*

Immediate Past-President – Susan Pepper

Committee Reports

Mark Schanfein noted some highlights from the Committee reports included in the Annual Report:

- **Membership is over 1,000 members**
- **Strategic Financial Growth Committee** – They were approved to be a full standing meeting during the October 2022 EC meeting.
- **Strategic Planning Committee** – To respond in real time and foster more collaboration between Technical and Policy Communities and growing membership outside the US via international recruitment efforts.

Chapter Reports

Past President Susan Pepper reviewed some highlights of the Chapter reports included in the Annual Report.

- The Pacific Northwest, Vienna, Pennsylvania State University, and Texas A&M

- Travel restrictions were still a culprit of canceled activities, but cross-chapter collaboration was encouraged to continue.
- KAIST Chapter participated in the 2023 INMM/ESARDA Joint Annual Meeting, the 2022 NEEC Regional Workshop in Southeast Asia, and the KAIST INMM Gathering and Year-End Workshop
- Many chapters hold virtual seminars until COVID restrictions are lifted and travel becomes more commonplace.

Technical Division Reports

INMM Vice President Tina Hernandez noted that the Technical Divisions are the bedrock of INMM and she thanked the volunteers who support.

Facility Operations – continues to refocus, rebrand, and re-energize with the Leadership Team browning the membership and the introduction of the quarterly “lunch and learn” sessions held virtually on Microsoft TEAMS.

International Safeguards – They have met regularly to discuss ongoing and planned related activities, including technical program planning for the Annual Meeting and award nominations. They actively participated in working groups to prepare for the INMM/ESARD Annual Meeting 2023 and participated in subject matter sessions and panels.

Nuclear Security and Physical Protection—In November 2022, they co-hosted a hybrid workshop with the Pennsylvania State University Student Chapter on Advanced Reactor Security. The workshop was a success. They recently received inquiries about holding a follow-up workshop to the 2020 workshop on the Likelihood of Attack.

Packaging, Transportation, and Disposition – They presented the INMM 36th Spent Fuel Management Seminar on January 24-26, 2023. The INMM/USNIC plans to hold the 37th Spent Fuel Management Seminar at the end of January 2024.

Tina Hernandez thanked all the volunteers who contributed to INMM and encouraged everyone to read the reports.

A motion to accept the 2023 Annual Business Meeting reports was made by Laura Rockwood, seconded by Aaron Tamashiro, and unanimously approved, with no nays or abstentions.

New Business - Awards

Mark Schanfein noted that the INMM Awards Committee announced the 2023 Award winners at the Annual Meeting in Vienna. Mark took this opportunity to congratulate them again and thank Arden Dougan and the Committee for recognizing these people who represent the best of INMM:

Recipients of the Early Career Award were:

- *Dr. Alexis Trahan*

- *Dr. Kyle Hartig*
- *Dr. Anagha Ayengar*

Recipients of the Education and Outreach Award:

- *Professor Camille Palmer*
- *Dr. Claudio Gariazzo*

Recipient of the Diversity, Education, Inclusion and Accessibility (DEIA):

- *Dr. Darleane Hoffman*

Recipient of the Vincent J. DeVito Distinguished Service Award:

- *George A. Anzelon*

Mark recognized and thanked Arden Dougan who stepped down as Chair for the Awards Oversight Committee after many years of service. INMM is currently accepting applications for the Chair position which is posted on the website. If anyone is interested, the deadline is August 31.

Class of 2023 Fellows

Mark introduced the Class of 2023 Fellows, who represent a wealth of historical and current knowledge about and commitment to the Institute.

- *Willem Janssens*
- *Irmgard Niemeyer*
- *Ben Watts*

Memorial Scholarship Winners

Mark announced the INMM 2023 Dennis Mangan and Robert Sorenson Memorial Scholarship Winners:

- *Aaron Fjelsted, Pennsylvania State University*
- *Abubakar Sadiq Aliyu, Ahmadu Bello University*

Resolution of Respect At the Annual Meeting in Vienna, INMM shared the Resolution of Respect for our colleague Ronald Beck Pope, who passed in March 2023. Sadly, INMM lost another dear friend and esteemed colleague who passed away on May 27 after attending the 2023 INMM and ESARDA Annual Meeting, Peter Dessales.

Outgoing Executive Committee Recognition Claudio Gariazzo and Chantell Murphy who completed two years of service as Members at Large.

Recognition of Sustaining Members

Mark acknowledged the INMM Sustaining Members.

Recognition of New Senior Members

- *Jacob Benz*
- *James Casterton*
- *Jeffrey Chapman*
- *Peter Dessaulles*
- *Andreas Enqvist*
- *Glenn Fugate*
- *Malte Göttsche*
- *Olli Heinonen*
- *James Miller*
- *Claude Norman*
- *John Oakberg*
- *Orpet Jose Peixoto*
- *Catherine Ramsey*
- *Joshua Rutkowski*
- *Man-Sung Yim*

Chapter Incentive Program

Some members had questions and comments about chapter reports and whether the template is too onerous or if it is a generational issue. It is recommended that some coaching or a guide on how to fill it out be done. Mark will talk to Jessica about doing outreach to improve the response rate.

Call for Other Business

Morris asked for volunteers for the annual meeting committees

John Creasy to present the winners of the 2023 J.D. Williams Student Paper Awards, recognizing papers that were presented at the INMM/ESARDA Annual Meeting in Vienna.

Drawings for Two Complimentary 2024 Memberships

- Joeun Lee
- Jordan Stomps

Adjournment

Mark congratulated all of the winners and the members honored today and thanked everyone for attending this Annual Business Session. In closing, he told everyone to save the date for the 2024 Meeting, July 21 – 25, 2024, at the Portland Marriott Downtown Waterfront in Portland, Oregon.

A motion was called by Morris Hassler to adjourn the 2023 Business Meeting of the Institute of Nuclear Materials Management. Nancy Jo Nicholas seconded it, and the majority passed, with no nays and no abstentions.

Insert Preident's Report

Treasurer's Report

James Andre

As of May 31, 2024, the Institute of Nuclear Materials Management's total assets were \$641,284. These assets included \$637,041 in cash and \$4,244 in prepaid expenses. The associated total liabilities were \$10,287 resulting in net assets of \$630,997. The FY 2023 gross income was \$875,589 and the associated expenses were \$1,133,412 resulting in a deficit of (\$257,823) for the fiscal year. The deficit resulted from the strategic investment in our first Annual Meeting held outside the United States.

The budget approved by the INMM Executive Committee for 2023 – 2024 is a deficit budget, but marks a return to a U.S.-based in-person Annual Meeting, the first since 2019. The Portland Annual Meeting is looking to be a very successful meeting, building on the programmatic success of last year's Annual Meeting in Vienna. The financial outcome of the meeting is an important part of our overall budget. Let us continue to capitalize on the events of the Annual Meeting, and other events, as we plan for next year's meetings and beyond. Ways of encouraging relationships include hosting topical workshops, planning webinars in response to current events, encouraging colleagues to join INMM, and taking advantage of the multiple volunteer opportunities available.

A breakdown of FY 2024 income and expense year-end *projections*, by major category, is presented here:

REVENUE			EXPENSE	
Administration	\$159,000		Administration	\$446,242
Annual Meeting	554,300		Annual Meeting	293,300
Proceedings	1,135		Proceedings	0
Journal	6,750		Journal	5,500
			Committees (incl Exec Comm)	68,164
Spent Fuel Workshop	27,525		Spent Fuel Workshop	28,147
CA Chapter Safeguards and Export Workshop	900		CA Chapter Safeguards and Export Workshop	0
SW Chapter Advanced Reactors 3S Workshop	35,900		SW Chapter Advanced Reactors 3S Workshop	13,827
			PATRAM	5,000
Total Revenue	\$785,510		Total Expense	\$860,180

Any INMM Member wishing to obtain a copy of the FY 2023 year-end financial statement or the IRS Form 990 may do so by contacting James Andre, INMM Treasurer.

Secretary's Report

Teressa McKinney

According to INMM Bylaws, "the Secretary shall notify each member in good standing of the results of the election before October 1 of each year." This notice in the 2024 Annual Report and in the Journal is construed as meeting that obligation.

Board Elections

In accordance with the INMM Bylaws, this report, along with the written report serves as official notification of the 2024 election results. Newly elected to the Executive Committee for terms starting October 1 re:

- Vice President – Laura Rockwood
- Members at Large:
 - Marek Flaska
 - Na Young Lee

The full INMM 2025 Executive Committee will consist of:

President – Tina Hernandez

Vice President – Laura Rockwood

Secretary – Teressa McKinney

Treasurer – Jim Andre

Immediate Past President – Mark Schanfein

Members at Large:

- | | |
|--------------------------|--------------------------|
| • Yana Feldman – 9/30/25 | • Marek Flaska – 9/30/26 |
| • Amanda Rynes – 9/30/25 | • Na Young Lee – 9/30/26 |

Thank you to everyone who ran for a position and to all of those who voted. The 2025 Nominating Committee which will be chaired next year by Past President Mark Schanfein, is always seeking good candidates. Please contact Mark if you are interested in a future leadership position.

Thank you all for your participation in the INMM elections and voting.

N14 Technical Standards
Packaging and Transport of Radioactive
And Non-Nuclear Hazardous Materials

Matthew R. Feldman, N14 Chair
Steve Maheras, N14 Secretary

Committee Activities

The N14 Committee has recently received several (4) requests for interpretation for the N14.1-2023 Standard. These requests have been worked one at a time with 3 fully resolved and the 4th in process now. Because several requests for interpretation for a single standard have been received in a short period of time, the N14 Chair performed a review of these requests to determine if there were issues within the standard itself causing difficulties. It was found the standard is not to blame and the requests either fit into the category of asking for alternative materials of construction due to specified materials being difficult to source or requests for information that is already contained in the standard. The conclusion is that there is not a need to update the standard at this time and the requests are simply happening because the standard is widely used.

Standards Activities

N14.1-2019 – Uranium Hexafluoride – Packagings for Transport

Chair, Marty Karr, Corporate Manager, Packaging, Transportation and Materials Management, Centrus Energy Corp

N14.1-2023 has been published and is available in the ANSI webstore. Personal use copies are also available by request to N14 Chair Matt Feldman (mrfeld@snl.gov).

As mentioned above, the N14.1subcommittee has focused recently on requests for information to the recently published N14.1-2023 Standard.

N14.5-2022 – Leakage Tests on Packages for Shipment

Chair, Todd Sellmer, Manager Packaging and Information Systems

N14.5-2022 has been published and is available in the ANSI webstore. Personal use copies are also available by request to N14 Chair Matt Feldman (mrfeld@snl.gov).

N14.6-1993 – Special Lifting Devices for Shipping Containers Weighing 10,000 Pounds (4500 kg) or More

Chair – Vacant

The work on N14.6 has stalled due to lack of writing committee leadership. The N14 chair, has been working for the past couple of years to get a new chair and establish a new working group for this standard. But so far no one has volunteered to chair this writing committee. The standard has been officially withdrawn by ANSI because the standard is older than 10 years.

N14 Chair is working with PNNL personnel to determine path forward options for this standard.

N14.7-2021 – Guidance for Packaging Type A Quantities of Radioactive Materials

Chair, Mark Hawk, DOT Packaging Consultant

Vice Chair, John (Woody) Woodbury, Packaging Management Council Coordinator, DOE Consultant

The revision of this standard was adopted in 2021 and is available by in the ANSI webstore. Personal use copies are also available by request to N14 Chair Matt Feldman (mrfeld@snl.gov). The adoption required 2 separate ballots and a significant revision in between based on committee comments. This process resulted in a more usable product.

N14.33-20XX – Characterizing Damaged Spent Nuclear Fuel for the Purpose of Storage and Transport

Chair, Steve Maheras, PhD.

Email Address - Steven.Maheras@pnnl.gov

Dr. Steve Maheras was selected by ballot to be the new N14.33 Chair as of March 1, 2020. June 2020, the N14 Secretary sent to the N14 Chair all of the most current work that Mr. Bill Lake has completed while acting as N14.33 Chair.

The N14 Chair N14.33 subcommittee chair are working with PNNL personnel to determine path forward options for this standard.

N14.36-2020 – *Measurement of Radiation Level and Surface Contamination for Packages and Conveyances*

Chair, Ashok Kapoor, Consultant

The revision of this standard was adopted in 2020 and is available in the ANSI webstore. Personal use copies are also available by request to N14 Chair Matt Feldman (mrfeld@snl.gov).

INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT
INMM Accredited Standards Committee N15
Methods of Nuclear Material Control

Annual Report to the INMM Executive Committee and INMM Membership
July 2023 – June 2024

INMM ASC N15 MISSION STATEMENT

INMM ASC N15 is sponsored by the INMM and accredited by the American National Standards Institute (ANSI) to develop and maintain voluntary consensus standards for protection, control, and accounting of special nuclear materials in all phases of the nuclear fuel cycle, including analytical procedures where necessary and special to this purpose, except for physical protection of special nuclear material within a nuclear power plant. Its audience includes government and civilian nuclear facilities in the United States of America.

For more information regarding ASC N15 activities, please visit <https://inmm.org/page/n15>.

ACTIVE INMM ASC N15 STANDARDS

- ANSI N15.8-2009 (R2022): *American National Standard for Methods of Nuclear Material Control – Material Control Systems – Special Nuclear Material Control and Accounting Systems for Nuclear Power Plants*
- ANSI N15.28-2021: *American National Standard for Methods of Nuclear Material Control – Guide for Qualification and Certification of Safeguards and Security Personnel*
- ANSI N15.36-2021: *American National Standard for Methods of Nuclear Material Control – Measurement Control Program – Nondestructive Assay*
- ANSI N15.51-2017: *American National Standard for Methods of Nuclear Material Control – Measurement Control Program – Nuclear Materials Analytical Chemistry Laboratory*
- ANSI N15.56-2014: *American National Standard for Methods of Nuclear Material Control – Nondestructive Assay Program – Nondestructive Assay Measurements of Nuclear Material Holdup: General Provisions*

Active N15 standards are published by ANSI and (upon publication) are available for purchase at <http://webstore.ansi.org/>. type or enter: **ANSI N15**

Standards Development Activities

- The 2024 periodic remote ANSI audit of N15 standards development activities is underway. The audit occurs in several steps over the course of approximately nine months to a year. On October 23, 2023, the Director of the ANSI Standards Developer Audit Program notified ASC N15 in writing and requested a copy of INMM ASC N15 Accredited Procedures, a completed questionnaire, any other supplemental procedures or guidelines that ASC N15 may have, and a list of current [ASC

N15] American National Standards (ANS) with approval dates. This information was submitted to ANSI on December 15, 2023. The ANSI Audit Program Director and ANSI auditor held a pre-audit conference call with the ASC N15 Board on February 2, 2024, to review the completed questionnaire and identify the standards selected for this audit. The N15 Board submitted the requested electronic records, per the ANSI audit checklist, to ANSI on March 28. The ANSI Audit Program Director transmitted the draft audit report to the N15 Board on May 17. A post-audit call was held on June 26 to review the audit findings and suggestions. The audit results were positive. The four audit findings were procedural in nature. All PINs, BSR's and forms for the development of standards in the four-year period were submitted correctly to ANSI. The N15 Board is responsible for preparing a draft corrective action plan and revised draft N15 Operating Procedures to address the audit findings and suggestions. The last ANSI audit of N15's standards development process was conducted in May 2018.

- N15.8-2009 (R2022) – *Special Nuclear Material (SNM) Control and Accounting Systems for Nuclear Power Plants* (active). The reaffirmed standard ANSI-N15.8-2009 (R2022) is now available on the ANSI webstores. The reaffirmed standard will be in active status for ten years. All active ASC N15 standards must be reviewed five years after ANSI approval to determine whether they should be revised or reaffirmed.
- .N15.19-1989 – *Volume Calibration Techniques* (not active). An N15 writing team under the leadership of Albert Liebetrau reviewed and revised Parts 1 through 6 of the International Organization for Standardization (ISO) Standard 18213, “Tank Calibration and Volume Determination for Nuclear Materials Accountancy,” as part of the ANSI process for adopting the ISO standard as an American National Standard. The draft standard has been reviewed to ensure that all comments have been addressed and the document is now being updated with the latest ASC N15 standard template. Upon completion, the draft standard will be submitted to the N15 Board for a final technical editing review followed by N15 Consensus Body Ballot vote.
- N15.41-1984 (R1994) – *Derivation of Measurement Control Programs, General Principles* (not active). The writing team reviewed and revised this standard to focus on organizing it as an umbrella standard for bulk, DA, and NDA measurements supporting accountancy functions at nuclear facilities. The proposed new title is: *Measurement Control Programs, General Principles*. Terminology has been harmonized with other measurement control procedures published by ISO, ASTM, and ANSI. During 2023, the writing team held frequent on-line meetings and completed an internal review of the revised standard. An initial draft was submitted to the N15 Board of Officers in November of 2023. The N15 Board of Officers has reviewed the draft document and plans to return comments to the writing team by August 1.
- N15.51-2017 – *Nuclear Materials Analytical Chemistry Laboratory* (active). The writing team reviewed N15.51-2017, considered the choice between revision and reaffirmation, and has recommended revision and update of the standard. A PINS was submitted to ANSI on November 4, 2022, for doing the revision and updates, which appeared in ANSI Standards Action on November 18, 2022. The N15.51 writing team Chair retired from ASC N15 in January 2024, but has offered to assist the N15 Board in reconvening the WT. A new Chair will be needed. The N15 Board is contacting the previous writing team members to confirm their participation and reach out to others who have expressed interest in working on the revision.

- N15.56-2014 – *Nondestructive Assay Program, Non-Destructive Assay Measurements of Nuclear Material Holdup: General Provisions* (active). This active standard was reviewed as required for periodic maintenance under ANSI requirements. On November 21, 2019, the N15 Board submitted to ANSI its intent to revise the standard. Ram Venkataraman (ORNL) is leading the effort to revise the standard. It has been reviewed and changes were discussed by the writing team. The WT Chair is in the process of contacting all of the WT members to request their final review and approval, or comments, by July 12. Some of the WT members have retired and are unavailable. Their replacements have been identified. The draft will be updated to include the names of new members who have replaced the retired unavailable members. Once approved by the N15.56 WT the draft revised standard will be submitted to the N15 Board for technical editing and formatting.
- N15.57-201X – *Inventorying UF6 Cylinders at Conversion, Enrichment, and Fuel Fabrication Plants* (new standard). On June 25, 2019, the N15 Board submitted a PINS notification to ANSI indicating the intent to develop a new American National Standard for the labeling and tracking of UF6 cylinders. A writing team (WT) was formed to develop the standard, led by Jessica White-Horton and Michael Whitaker. An outline was drafted so writing assignments could be made with a proposed writing schedule calling for an initial draft to be completed by the mid CY24. Current work involves compiling the existing sections and drafting those that remain. The WT currently has 16 members with 14 organizations represented from 5 countries. The WT is wrapping up their draft of the N15.57 standard to send out for external review by people who are not part of the writing team prior to submittal to the N15 Board for N15 Consensus Body Ballot vote (and then to ANSI for approval). The team still plans to meet their goal of finishing the standard in CY24.

Outreach and Collaboration Activities

- The N15 Board in conjunction with Association Management (AM), Inc. (the INMM association management company) have established an online storage and retrieval capability for standards development records with the INMM. INMM is the Secretariat for ASC N14 and ASC N15. The intent is to preserve the data as electronic files and allow access to N15 Board Members working at multiple locations. MS Office 365 Business Basic SharePoint was selected because it provides online file storage, is compatible with software currently owned by or available to N15 officers and is available at a reasonable cost. AM created the domain in SharePoint, added administrators, and is working with the N15 Board officers to confirm accessibility.
- N15.56-2014 – *Nondestructive Assay Program, Non-Destructive Assay Measurements of Nuclear Material Holdup: General Provisions* (active). N15.56 writing team member(s) continue to participate as members of an American Nuclear Society (ANS) writing team preparing a new nuclear criticality safety standard, ANSI/ANS-8.28-2024: *Administrative Practices for the Use of Nondestructive Assay Measurements for Nuclear Criticality Safety*. The new ANS standard has been approved by ANSI and is in the publication process. This new ANS standard is meant to be used in conjunction with N15.56.
- INMM ASC N15/INMM 5.1 Subcommittee (Analytical Chemistry Laboratory Measurement Control). The INMM 5.1 Subcommittee provides review and input into the IAEA International Target Values for nuclear safeguards measurements. The IAEA along with an international team, including U.S. representation from ASC N15, completed revision and update of the 2010 ITVs and

published *International Target Values for Measuring Uncertainties in Safeguarding Nuclear Materials*, Vienna, September 2022 (STR-368 (Revision 1.1)). The September 2022 ITV report and current ITV tables are accessible via the IAEA International Target Values (ITV) Network.

- N15 Board officers attended the fall 2023 and spring INMM Executive Committee (EC) meetings (virtually), and plan to attend the summer INMM EC meeting in Portland Oregon (virtually or in person). An N15 Board member participated in the 2024 ANSI-Accredited Standards Developer (ASD) Procedural Compliance Webinar on January 31, 2024 (on-line).
- The N15 Board held a joint virtual meeting of the INMM ASC N15 and the N15/INMM 5.1 Subcommittee in November 2023. The 2023 Annual N15 meeting was held separately from the INMM/ESARDA Joint Annual Meeting, which was held May 22-26, 2023 in Vienna, Austria. Draft meeting minutes of the 2023 Joint Annual ASC N15/N5.1 Subcommittee virtual meeting have been prepared and are undergoing final review by the N15 Board. They will then be sent to those who attended the 2023 N15 Annual Meeting for review and comment before a final review and approval at the 2024 N15 Annual Meeting (date TBD).
- In 2023-2024 the N15 Board conducted a review and update to the ASC N15 Consensus Body Ballot Roster. All current Consensus Ballot Roster members and associated Points-of-Contacts (POC's) were contacted, and response/confirmation was received, along with any requested changes. The updated ASC N15 Consensus Ballot Roster was approved on April 9, 2024.

SUMMARY

The N15 Board would like to thank all who contribute to and participate in the development of INMM ASC N15 voluntary consensus standards. We invite all those with a material and stakeholder interest in N15 standards to attend our annual meetings. The N15 Board recognizes the assistance of Teresa Peacher, and Chieftain Watson, DOE EHSS-72. The N15 Board welcomes Dr. Aaron Tamashiro, Lawrence Livermore National Laboratory (LLNL), as the new ASC N15 Secretary. The N15 Board expresses gratitude and appreciation to Chino Srinivasan for his many years of leadership as the ASC N15 Secretary and dedication to ASC N15 standards development.

Respectfully submitted on behalf of INMM ASC N15 by

Melanie May, Chair
melanie.may@hq.doe.gov

Lynne Preston, Vice Chair
ldprstn@gmail.com

[Aaron Tamashiro](#), Secretary
tamashiro1@llnl.gov

Jackie Shipwash, N15 Writing Group Liaison
jackie.shipwash@tetrattech.com

Chino Srinivasan, Past-Secretary (consultant to ASC N15 Board)

srinbalan@gmail.com

Annual Meeting Committee Report

Morris Hassler, Chair

July 2024



Congratulations to all as we look forward to a great Annual Meeting in Portland in July! This is the first in-person Annual Meeting held domestically in the United States since our pre-Covid meeting in Palm Desert, CA in 2019. Thanks to all those that are part of the Annual Meeting Committee, the Executive Committee, and to Association Headquarters for making the 2024 Annual Meeting Happen.

2024 Annual Meeting Status

As of July 5th (3 weeks out), we have 478 registrants and 10 companion registrants. At our last US meeting in 2019 we had a total of 485 attendees and only 371 registrants at the 3-week point so we are trending ahead of the 2019 meeting. The last two weeks up to the meeting historically has a 30-40% increase in registrations so we could be looking at over 600 attendees this year!

Additionally, we have 81 individuals signed up for the Radiological Security Workshop on Saturday July 20th and have 28 registered for the Oregon State University/Nu-Scale tour.

The overall schedule for the week is packed full of plenaries, technical sessions, exhibitor and sponsor interactions, as well as networking and social events. We ensured that we had adequate time for honors and awards at the start of the meeting as well as two executive sessions on Tuesday and Wednesday in addition to our Opening and Closing Plenary. We also arranged for tours at OSU/Nu-Scale on Friday for those that can attend. In order to increase networking and social activities we also added a new event titled the "INMM Mixer" for Tuesday evening. This will consist of a bar and music for those wanting to dance. Of course, there is the President's Welcome Reception on Sunday evening and there will be a Women of

Mass Distinction event on Monday evening. The INMM Annual business meeting will be on Wednesday evening. A snapshot of the weekly schedule is shown below.

Weekly Schedule at a Glance.

Saturday, July 20, 2024	Sunday, July 21, 2024	Monday, July 22, 2024	Tuesday, July 23, 2024	Wednesday, July 24, 2024	Thursday, July 25, 2024
		Speaker Breakfast 7:15 am - 7:45 am	Speaker Breakfast 7:15 am - 7:45 am	Speaker Breakfast 7:15 am - 7:45 am	Speaker Breakfast 7:15 am - 7:45 am
		Break 7:45 am - 8:00 am	Break 7:45 am - 8:00 am	Break 7:45 am - 8:00 am	Break 7:45 am - 8:00 am
		Welcome & Awards Ceremony 8:00 am - 8:30 am	Morning Plenary 8:00 am - 8:45 am	Morning Plenary 8:00 am - 8:45 am	Concurrent Session 12 (Technical Session 12) 8:00 am - 10:00 am 9 Concurrent Session Rooms/ 6 - 20 minute slots
	Working Group Meetings 8:30 am - 12:00 pm	Opening Plenary Session 8:30 am - 10:00 am	Concurrent Session 4 (Technical Session 4) 8:50 am - 10:30 am 9 Concurrent Session Rooms/ 5 - 20 minute slots	Concurrent Session 8 (Technical Session 8) 8:50 am - 10:30 am 9 Concurrent Session Rooms/ 5 - 20 minute slots	Refreshment Break 10:00 am - 10:25 am
		Exhibit Hall/Poster Session I/Refreshment Break 10:00 am - 10:50 am 20 presenters	Exhibit Hall/Poster Session II/Refreshment Break 10:30 am - 11:00 am 12 presenters	Exhibit Hall/Poster Session V/Refreshment Break 10:30 am - 11:00 am 12 presenters	Closing Plenary Session 10:30 am - 12:30 pm
		Concurrent Session 1 (Technical Session 1) 10:30 am - 12:30 pm 8 Concurrent Session Rooms/ 5 - 20 minute slots	Concurrent Session 5 (Technical Session 5) 11:00 am - 12:20 pm 8 Concurrent Session Rooms/ 4 - 20 minute slots	Concurrent Session 9 (Technical Session 9) 11:00 am - 12:20 pm 8 Concurrent Session Rooms/ 4 - 20 minute slots	
Rad Security Overview Workshop 8:00 am - 5:00 pm	Board Meeting 10:00 am - 5:00 pm	Lunch on Own 12:00 pm - 1:00 pm	Lunch on Own 12:30 pm - 2:00 pm	Lunch on Own 12:30 pm - 2:00 pm	Student Paper Competition Wrap Up Meeting 12:30 pm - 2:00 pm
	Student Paper Competition Kick Off 1:00 pm - 2:00 pm	EC Lunch with Plenaries 12:30 pm - 2:00 pm	Fellows Lunch 12:30 pm - 2:00 pm	ORS Grant Lunch 12:30 pm - 2:00 pm	
	Technical Division Meetings 2:00 pm - 5:00 pm	Concurrent Session 2 (Technical Sessions 2) 2:00 pm - 3:40 pm 8 Concurrent Session Rooms/ 5 - 20 minute slots	Concurrent Session 6 (Technical Sessions 6) 2:00 pm - 3:40 pm 8 Concurrent Session Rooms/ 5 - 20 minute slots	Concurrent Session 10 (Technical Sessions 10) 2:00 pm - 3:20 pm	
		Exhibit Hall/Poster Session II/Refreshment Break 3:40 pm - 4:30 pm 20 presenters	Exhibit Hall/Poster Session IV/Refreshment Break 3:40 pm - 4:30 pm 20 presenters	Refreshment Break 3:20 pm - 3:40 pm	
		Concurrent Session 3 (Technical Sessions 3) 4:30 pm - 5:50 pm 9 Concurrent Session Rooms/ 4 - 20 minute slots	Concurrent Session 7 (Technical Sessions 7) 4:30 pm - 5:50 pm 9 Concurrent Session Rooms/ 4 - 20 minute slots	Concurrent Session 11 (Technical Session 11) 3:40 pm - 5:00 pm 9 Concurrent Session Rooms/ 4 - 20 minute slots	
	ORS Grant AM Meeting Orientation 5:00 pm - 6:00 pm	Women of Mass Distinction 6:00 pm - 7:30 pm	Regional & Student Chapter Meeting 6:00 pm - 7:00 pm	Annual Business Meeting 5:00 pm - 6:00 pm	
	President's Exhibit Hall Welcome Reception 6:00 pm - 8:30 pm		INMM Mixer 7:00 pm - 8:30 pm		

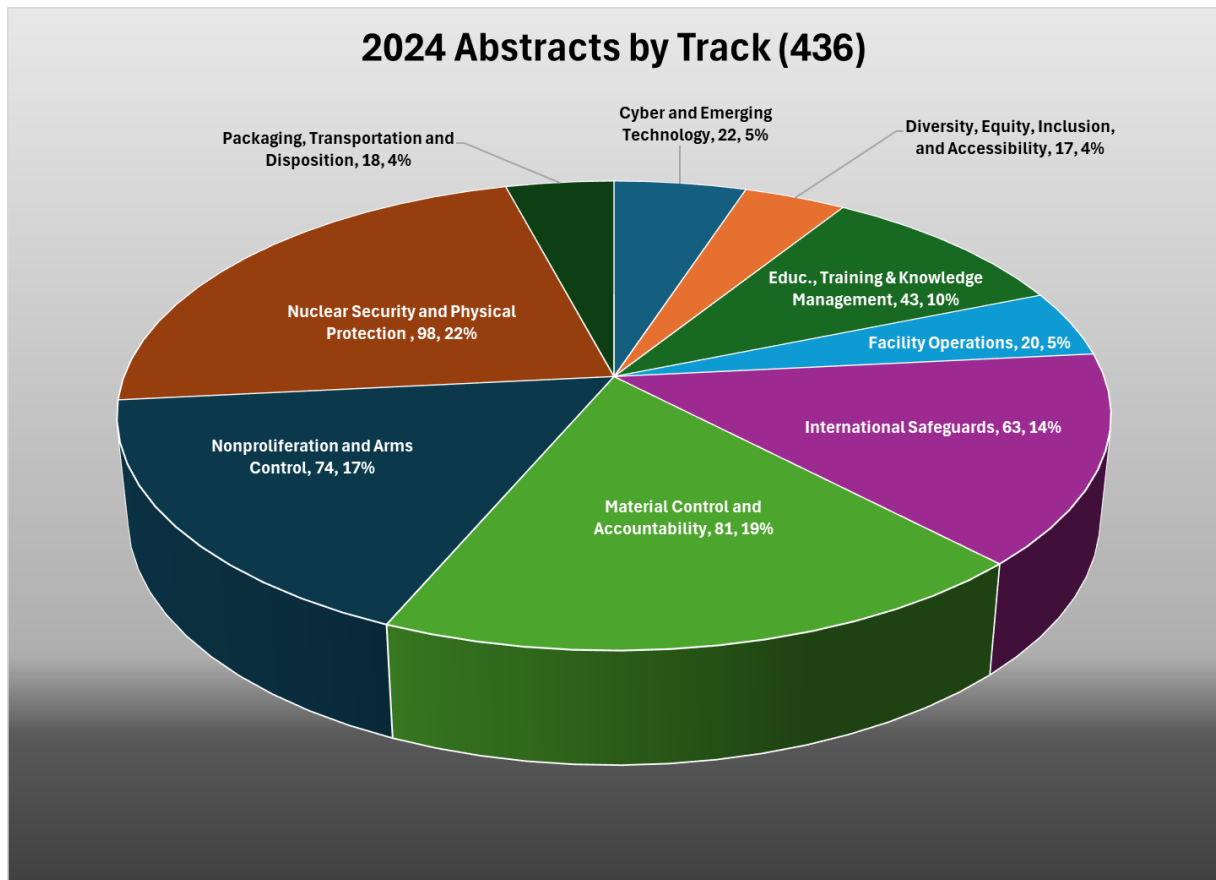
Technical Program

We also have an excellent Technical Program this year. Scott Stewart, Technical Program Subcommittee Chair, and his team have done a fantastic job! Please give him and his team your appreciation for the tremendous work of putting together this year's program. As many know, this is the heart of the Annual Meeting and it takes a village to make it all come together. We had 516 abstracts submitted for review (1,024 reviews). Thanks to those reviewers and Technical Division and Committee leads that accomplished these reviews and placement. We have dozens of sessions that will be going concurrently.

Unfortunately, we did have 80 withdrawals (leaving 436 abstracts) which is a higher withdrawal rate (15%) than normal. Many of these withdrawals were due to the limited number of ORS grants and individuals submitting abstracts that did not receive a grant to attend. These withdrawals comprised of 15 posters, 62 oral papers, and 2 community organized sessions.

Distribution of abstracts per track shown below:

Track	Accepted	Withdrawn	Total
Cyber and Emerging Technology	22	8	30
Diversity, Equity, Inclusion, and Accessibility	17		17
Educ., Training and Knowledge Management	43	8	51
Facility Operations	20	3	23
International Safeguards	63	12	75
Material Control and Accountability	81	12	93
Nonproliferation and Arms Control	74	12	86
Nuclear Security and Physical Protection	98	20	118
Packaging, Transportation and Disposition	18	5	23
Total	436	80	516



Plenaries

We have a fantastic lineup with our plenaries. Thanks to Plenary Subcommittee Chair Kirsten Laurin-Kovitz and her team for pulling together these great plenaries. Our Opening Plenary has global leaders that will be setting the tone for “Meeting the Moment: Nuclear Stewardship In An Age of New Technology and Global Tensions.”

Opening Plenary



Corey Hinderstein, NNSA Acting Principal Deputy Administrator



Stephan Lechner, European Commission Euratom Safeguards



Ulla Engelmann, European Commission Joint Research Center



Joo-ho Whang, Korea Chapter President, KHNP CEO

Executive Plenary Sessions

After the success of our Executive Plenary Sessions in last year’s joint meeting with ESARDA, we decided to continue this approach this year by adding two morning Executive Plenary Sessions on Tuesday and Wednesday mornings. These should be very interactive sessions and are as follows:

Tuesday Morning Executive Session

Radiological Security in a Changing Global Landscape

Moderator: Mary Lin, Consolidated Nuclear Security, LLC

Panelists:

- Mike Rowland
- Emiliano Santiago-Rojas
- Camille Freestone

Wednesday Morning Executive Session

IAEA Plenary

Moderator: Caroline Matthews, PNNL

Panelists:

- Max Aparo
- Steve Balsley
- Kory Sylvester
- Stephane Baude

Closing Plenary

We are ending the week on a high note with a special topic that should draw a lot of interest. We wanted to step beyond our normal focus on fissile nuclear and radiological materials to the advancing world of Fusion Energy. Our focused closing plenary discussion will be:

Fusion and Nonproliferation

Moderator: Dave LaGrafte, NNSA DNN

Panelists:

- Mike Ford
- Tammy Ma
- Michael Hua

Before we close out the week, we wanted to make sure to share with the membership the strategic planning activities that the Institute is undertaking and to get input from the membership in attendance. This short strategic planning session will be interactive with the audience voting on particular questions presented by the INMM Strategic Planning Committee. This INMM Strategic Planning Interactive Session will be moderated by Strategic Planning Committee Co-Chair Susan Pepper.

Prior to closing out the Annual Meeting, the winners of the Student Paper Competition will be announced. This will be followed by INMM leadership closing out the meeting and announcing the 2025 Annual Meeting location.

Exhibits and Sponsorships

Of course, we could not have a successful Annual Meeting without the support of our Exhibitors and Sponsors. I really appreciate the hard work of Exhibits and Sponsorship Subcommittee Chair, Matt Erdman. He has done an outstanding job soliciting potential exhibitors and sponsors and has exceeded our budget plans with the number of exhibitors/sponsors and their contributions. Please take time to thank our Exhibitors and Sponsors as well as Matt for the support this year. See those sponsors below.

Platinum

Consolidated Nuclear Security, LLC



Gold

Mirion Technologies



Silver

Brookhaven National Laboratory



Idaho National Laboratory



Los Alamos National Laboratory



Oak Ridge National Laboratory



Pacific Northwest National Laboratory



Sandia National Laboratories



Savannah River National Laboratory



Bronze

CAEN S.p.A.



H3D



John S. Connor Global Logistics

Exhibitor

Rapiscan | AS&E



Sponsor

IB3 Global Solutions



2025 Annual Meeting

We decided on the 2025 Annual Meeting venue which will be at the JW Marriott in Washington, DC with meeting dates of August 24 - 28, 2025. This meeting was slid back a few weeks due to availability of the hotel for our meeting. We consulted with our European members since this time could conflict with European holidays and they stated this this meeting time was OK and that having the meeting in Washington DC was great for them.

Activities Coming Up

- Working final program adjustments
- Completing daily hotwashes during the Annual Meeting.
- Polling Annual Meeting participants of how to make the 2025 Annual Meeting better.
- Taking a short breath before starting preparations for the 2025 meeting

Submitted by Morris Hassler, Annual Meeting Committee Chair

Looking forward to a great 2024 INMM Annual Meeting in Portland, Oregon in July!



Awards Oversight Committee

JULY EC MEETING

June 8, 2024

Mark Schanfein, President
Institute of Nuclear Materials Management

Dear Mark,

Following the last EC meeting in May, where we provided our recommendations for all awards, there have been no noteworthy activities to report.

Joshua Rutkowski and Joe Rivers, subcommittee chairs, and I plan to meet during the Annual Meeting to potentially update the awards nomination process. We would like to update the process for making it to more friendly and streamlined. Any fruitful outcome of this meeting, including any changes, will be shared with the EC for the reference and necessary approval, as applicable.

Looking forward to the seeing everyone at the Annual Meeting in Portland.

The Oversight Chair for the Committee is Therese Renis.

The Awards Committee consists of the following members:

**DSA & MSA
Subcommittee:**

Joe Rivers (New Chair)
Shirley Johnson
Nancy Jo Nicholas
Joseph Indusi
Larry Satkoviak

**Special Awards and Recognition
Subcommittee:**

Joshua Rutkowski (Chair)
Shirley Johnson
Sunil Chirayath
Michele Smith
Andreas Enqvist

**DEIA and
E&O:**

Manit Shah
AnaClaudia Raffo-Caiado
Melissa Einwechter

Respectfully Submitted,

Manit D. Shah, Chair
Awards Oversight Committee

Cc. Joe Rivers
Joshua Rutkowski



Chapter Relations Committee

July EC MEETING - 2024

Activities since your last report:

Creation of Chapter Dissolution Policy
Solicitation of volunteers for SE Chapter Election
Creation of regional subcommittee

Planned activities between now and the next reporting period:

Work with subcommittee to support existing chapters and the creation of new chapters

Do you have any challenges or need assistance that you'd like the EC to know about?

N/A

Oversight Chair*: Jessica White-Horton

Committee Members* and Titles (if applicable):

[LIST]

Stephen Dahunsi
Teressa McKinney
Dmitry Kovchegin
Dr Abubakar Malah
RIKWENDE BITRUS KEFAS
Kelley Ragusa
Toya Beiswenger
Z Zineddin
Jacob Benz
Amanda Rynes

NOTE: If your group has working groups or subcommittees, please list the name and the committee members for each.

Items marked with an asterisk (*) are required.

INMM Communications Committee

Logan Scott, Chair

Report to the Executive Committee July 2024

The Communications Committee (Committee) has progressed from focusing on structural development and organization changes to measurable action. Each member of the Committee is leading tasking that cuts across several different standing committees. With a full slate of Vice Chair and Sub-committee Chairs, the Communications Committee is diligently working to promote the efforts of the Institute as a whole, and it continuously strives to build avenues of communication both internally and externally for the membership as a whole.

Sub-committee updates and key project updates for the are included in the sections below.

INMM Communicator Blog (Sub-Committee Chair M.Lemmon; M. Boyd as JNMM Liaison)

The *INMM Communicator* blog is still undergoing back-end renovations. The Chair is working with the Technical Assessment Working Group to identify needs to host the Communicator on the INMM home website. While the blog is currently hosted on its own website (www.inmmcommunicatorblog.com/), the Committee and our partners at AH are exploring other options that meet the needs and vision for this Sub-Committee. Additionally, the Committee is exploring alternative options that will support the increased scale for the Communicator and serves to highlight various efforts throughout the Institute. These efforts include both a newsletter format with management company assistance and committee effort.

Finally, there are ongoing efforts to work with the Journal of Nuclear Materials Management (JNMM) editors to provide a platform for non-technical elements that have previously been included in the Journal. While the eventual plan is to host these materials and resources on the Communicator Blog, the Committee is exploring temporary options on the INMM home website. This task, and communication integration with the JNMM, is being led by Matthew Boyd.

If there is any interest in volunteering on this Sub-committee Chair or submitting ideas for INMM Communicator Blog, please feel free to contact the Sub-committee Chair or the Communications Committee Chair.

Public Relations and Outreach (Sub-Committee Chair K. Hussaini; K. Horak as Website Coordinator)

The PR and Outreach committee continues to assist with the development and preparation of Institute wide webinars. Building on the success of three webinars over the last six months, this sub-committee has plans to develop two independent tracks for webinars. The first will be developed and organized by the Executive Committee (EC) with broadly appealing topics meant for a wide audience. The Committee will assist with organizational steps of this series, assisting

the EC as needed with communications and marketing efforts. The second webinar series will focus more on internal Institute efforts and resources to provide an additional outlet for communications. focus on some of the basic programs and advice for a successful Chapter growth over the new year. These webinars will be organized by some combination of Technical Divisions and standing committees, and the Committee will assist with any necessary organizational and marketing steps. Efforts on a webinar will be coordinated with the Emerging Technology Committee on Artificial Intelligent topics, and it is tentatively scheduled for alter in 2024.

Finally, the social media responsibilities for the Committee are currently overseen by the Vice Chair, Bego Aranguren. If any Chapter, Technical Division, or committee needs support for promotion and outreach through any of the Institute's various social media platforms, please feel free to reach out to the Vice Chair with relevant ideas.

Technical Division Liaisons (Margaret Gitau, Sub-Committee)

The Technical Divisions Liaison Sub-committee is continuing to work with the Technical Division Oversight Chair to coordinate the news and outreach efforts from each technical division. This Sub-committee is integral in disseminating that news to appropriate resources within the Institute and working with the Technical Division Oversight Chair on any efforts that overlap with the responsibilities of the Communications Committee.

If there is any interest in volunteering for any sub-committee, or the Committee at large, please feel free to contact the Committee Chair.

Finally, if there are any other questions, please feel free to contact the Chair by your favorite communicative manner.

Submitted for timely fashion,

Logan Michael Scott
Chair, Communications Committee

LMS: 08JULY2024

Committee Membership

Logan M. Scott, Chair
Begona Aranguren, Vice Chair
Monica Lemmon, INMM Communicator Blog Sub-committee Chair
Kekule Hussaini Public Relations and Outreach Sub-committee Chair
Margaret Gitau Technical Divisions Liaisons Sub-committee Chair
Karl Horak, Website Coordinator
Matthew Boyd, Member at Large
Megan Porter, Special Communications Advisor
Liz Franks, INMM Headquarters Liaison

Deanna Bright, INMM Headquarters Liaison
Therese Renis, Management Oversight

Current email distribution for the Committee:

scottlm@ornl.gov; bego.aranguren@gmail.com; omokekule@gmail.com;
monica.r.lemmon@gmail.com; margaretrugurugitau@gmail.com; boydm2@tamu.edu;
m.porter@iaea.org; karlhorak@comcast.net; inmmmgmtoversight@gmail.com



DEIA Committee
Diversity, Equity, Inclusion and Accessibility

July EC MEETING

Activities since your last report:

1. Professional Development Program (PDP):

POCs: Michael Sharp & Chanel Chauvet-Maldonado

Through funding from the Carnegie Corporation of New York, the Committee has developed a professional development program (PDP) to broaden the diversity of its members and connect senior nuclear professionals with next generation leaders. The PDP matches 6 mentees with INMM Fellows to research a topic of relevance to the INMM mission. Over the span of 18-months the mentees will each write a paper on the selected topic with guidance from the mentor, publish the findings in the Journal of the Institute of Nuclear Materials Management (JNMM) and present the paper at the 2023 INMM Annual Meeting. The following six mentees were selected from 36 completed applications for cohort 1:

Fadhlur Rahman Alfaruqi (Mentor: Michael Whitaker)

Chanel Chauvet (Mentor: Mona Dreicer)

Hadja Fanta Diakhaby (Mentor: Les Fishbone)

Elaine Jennings (Mentor: Teressa McKinney)

Anne-Marie Riitsaar (Mentor: Tom Shea)

Rayna Rodgers (Mentor: Chris Pickett)

ACTIVITIES TO DATE

1. PDP Application, Review and Selection, January – April 2022
2. PDP Kickoff, May 2022
3. Submitted research summary for journal article
4. Attended INMM Annual Meeting (Virtual), July 2022
5. Anne-Marie Riitsaar (virtually) and Rayna Rodgers (in-person, funded by other sources) attended the Carnegie Nuclear Policy Conference, October 2022
6. Fanta Diakhaby and Chanel Chauvet coordinating the PDP Book Club. First book is Atomic Steppe: How Kazakhstan Gave Up the Bomb by Togzhan Kassenova
7. Fanta Diakhaby and Anne-Marie Riitsaar attended the Advanced Reactor Workshop hosted by Penn State University INMM Student Chapter, November 2022
8. INMM Past President's Panel moderated by immediate past president Susan Pepper to discuss their experience in the field, November 2022
9. Discussions with the editor of the Journal of Nuclear Material Management to discuss best practices in writing a peer-reviewed journal article, November 2022 Discussion w/ Togzhan Kassenova author of Atomic Steppe: How Kazakhstan Gave Up the Bomb moderated by Fanta Diakhaby and Chanel Chauvet, Spring 2023

10. INMM & ESARDA Joint Annual Meeting in Vienna, Austria. Mentees attended and participated in a special session focused on the PDP, May 2023
11. Cohort 2 application opened, May 2023
12. Cohort 1 papers are being submitted and currently in the peer review process. Expect the release of the first papers in the April or May JNMM.
13. A partnership agreement (PA) between the INMM and Women in Nuclear (WiN) Global was signed at the 2023 Annual Meeting. The PA foresees a.o. the exchange of suitable experts to support each organization's activities and the support of the young generation of nuclear professionals. The participation of Eva Gyane, a senior member of both organizations, as a mentor of Gabriela Zanko (second cohort) is an expression of this collaboration.

FUTURE ACTIVITIES

1. Cohort 1 Program Review and Cohort 2 Kickoff, November 2023
2. Cohort 1 submit Journal Paper/program ends, December 2023

Second cohort

INMM received 28 completed applications. A kick-off meeting Nov 2-3 2023 was held in Portland, OR., which included a virtual option for the current PDP fellows research presentations. The following six mentees were selected from 28 completed applications for cohort 2:

Alfitri Meliana (Mentor: Charles Streeper)
 Rowen Price (Mentor: Jared Johnson)
 Gabriela Zanko (Mentor: Eva Gyane)
 Mohamed Atef Mohamed Abed (Mentor: TBN)
 Suman Saurav (Mentor: Cindy Vestergaard)

ACTIVITIES TO DATE

1. Application Deadline: July 17, 2023
2. Program Kick-Off - Portland Marriott Downtown Waterfront, Portland, OR, USA*: November 2-3, 2023
3. Check-in 1 (virtual): week of February 25, 2024
4. Check-in 2 - INMM 65th Annual Meeting, Portland Marriott Downtown Waterfront, Portland, OR, USA*: July 21–25, 2024
5. Mid-year Progress Report: July 31, 2024
6. Check-in 3 (virtual): week of November 11, 2024
7. Program Review Meeting (Location: TBD)*: March 6-7, 2025
8. Submit Research Paper to JNMM: March 31, 2025
9. Final Report: March 31, 2025

Planned activities between now and the next reporting period:

- Co-organize workshop on Radiological Source Security: to be held on Saturday before the start of the Annual Meeting. Selected audience ranging from early, mid, and late career females and underrepresented minorities. Regional representation of participants based on strategic geographic interest. Program designed and executed by ORS.
- Women of Mass Distinction (INMM Annual Meeting)
- Launch INMM Women Hall of Fame (Website): In order to recognize these influential women professionals, the INMM will compile a list of current and former women Senior Members and

Fellows who have made a difference in the overall nuclear materials management domain: facility operations, international safeguards, materials control and accountability, nonproliferation and arms control, security and physical protection, packaging, transportation and disposition. This is not an award, but a recognition. Selection criteria will be determined by the INMM Executive Committee. The names with bios and contribution to INMM mission will be published in the INMM website. The list will be updated regularly.

Oversight Chair*: Ana C. Raffo Caiado

Committee Members* and Titles (if applicable):

Carrie Mathews, Chanel Chauvet-Maldonado, Chantell Murphy, Christina Prah, Eva Gyane, Heidi Smart, Jackie Shipwash, John Oakberg, Michael Sharp, Olga Martin, Stephen Dahunsi, Tracey-Ann Wellington, Valeriia Hesse, Youmna Sami

Items marked with an asterisk (*) are required.



EDUCATION & TRAINING COMMITTEE
JULY EC MEETING

Activities since your last report:

- Bi-weekly to monthly JD Williams Student Paper Award planning meetings
- Request for applications for the 2024 Memorial Education Scholarship
- Reviewed Education and Outreach Award nominees (in conjunction with Awards Committee)
- Collected additional chairs for E&T sessions at the INMM Annual Meeting

Planned activities between now and the next reporting period:

- At Annual Meeting:
 - Execution of JD Williams Student Paper Award, including:
 - Kick-off session (7/21)
 - Oral presentation judging (7/22 – 7/25)
 - Written paper scoring compilation (due from TDs by 7/19)
 - Oral presentation scoring compilation (7/25)
 - Announcement of winners (closing plenary, 7/25)
 - Announcement of 2024 Memorial Education Scholarship winner
- Post-Annual Meeting
 - Identifying updates to E&T language on the INMM website, to match Operations Manual
 - FY25 kick-off in September; monthly committee webex meetings
 - Budget review for FY25 (submitted to EC in November)

Do you have any challenges or need assistance that you'd like the EC to know about?

- none

Oversight Chair: Therese Renis

Committee Members and Titles:

Melissa Einwechter, Chair

Tom Gray, Deputy Chair

John Creasy, Student Awards Subcommittee Chair

Matt Durbin, Student Awards Subcommittee Deputy Chair

Joe Adduci, Student Activities Subcommittee Chair

Ben Thomas, Member at Large

Marc Ruch, Member at Large

Athena Sagadevan, Member at Large

Mark Walker, Member at Large

INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT
Fellows Committee Report
Summer 2024

During the 2023 Joint INMM/ESARDA Annual Meeting Closing Plenary Awards Ceremony in Vienna we celebrated the three newest INMM Fellows: **Willem Janssens**, **Irmgard Niemeyer**, and **Ben Watts**. We enjoyed the opportunity for a toast to our newest Fellows at our annual Fellows Luncheon. This summer we look forward to welcoming another new INNM Fellow during the Annual Meeting in Portland.



INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT

Fellows Committee Report

Summer 2024

In February INMM President Mark Schanfein tasked the Fellows to form a small committee to explore potential locations for another INMM Annual Meeting outside of the U.S. sometime after 2026. In the Summer of 2022, the EC had a similar request for the Fellows: to discuss and report back on wide-ranging options for future annual meetings (in-person, hybrid, overseas, with partners, etc.) That 2022 report and its authors provided a useful starting point for this new tasking. In April the Fellows Committee chair provided the INMM President with a report documenting input on options for future INMM Annual Meetings outside of the U.S.

On July 23 in Portland during the INMM Annual Meeting, the Fellows will hold in-person our traditional luncheon! As an agenda topic the Fellows responded to tasking from the INMM President to look at options to re-engage with the American Nuclear Society in a mutually productive way. In the past our two organizations had a Memorandum of Agreement that afforded members-only rates each other's at Annual Meetings and other benefits.

The Fellows Committee continues to conduct business by phone, email and Zoom to serve the needs of the Institute, advise the Executive Committee, perform assigned tasks, and promote the vision of the INMM. The Fellows serve as a strategic resource for the Executive Committee. The Fellows as a body are dedicated to the success of the INMM and welcome opportunities to support the Executive Committee.

The current Fellows Committee members are:

- Nancy Jo Nicholas, Chair
- Paul Ebel
- Jill Cooley
- Shirley Johnson
- Joe Rivers
- Ken Sanders
- Ted Osabe
- Scott Vance
- Sara Pozzi

Respectfully submitted,

Nancy Jo Nicholas

INMM Fellows Committee Chair



GOVERNANCE COMMITTEE

JULY EC MEETING

Activities since your last report:

No Activity during this reporting period.

Planned activities between now and the next reporting period:

Review documents as needed.

Do you have any challenges or need assistance that you'd like the EC to know about?

NO

Oversight Chair*: Grace Thompson

Committee Members*:

Charlie Harmon, Chair

Ken Sanders, Co-Chair

Items marked with an asterisk (*) are required.

Historian Report

Annual 2023-2024 and July 2024 EC Meeting Report

Activities since your last report:

This was a busy year for activities associated with the Historian function

- Added additional oral history references to INMM website
- Worked with the EC and Headquarters to prepare for, and MC, the Webinar: *"The Manhattan Project: The Rest of the Story"* on September 20, 2023. We had over eight hundred registrants for the Webinar and over four hundred individuals who participated during the Webinar. See <https://www.youtube.com/watch?v=eS9C8rr7WtI> for a recording of the Webinar, which starts about five minutes into the presentation.
- Developed a summary 11x17 graphic of the current INMM Scenario development and provided it to the SPC for information. I also presented this to the Northern New Mexico DOE Community Reuse Organization (CRO), the Regional Development Corporation, including senior management from LANL to discuss the impact of current events on future worlds. Additionally, I provided a copy to Dr. Matt Bunn from the Harvard Belfer Center for Science and International Affairs' Project on Managing the Atom, who hosted a Webinar entitled *"A Darkening Horizon: Nuclear Challenges Around the World"* (<https://www.hks.harvard.edu/educational-programs/executive-education/faculty/hks-executive-education-webinar-series/darkening>) for possible comments. Updates were made in 2024 that show how international events continue to plummet the world toward the **"Danger, Danger"** scenario. See **Attachment 1**. This update has a summary of the Robust Strategies that included *strengthening partnerships* which were discussed in the Taking the Long View column for JNMM Vol. 51, No. 1 entitled *"Scenario Robust Strategies – Partnerships"* that provided insight into the Institute's focus on the importance of strengthening partnerships with like-minded organizations. This article ties to the updating of the Organizational Partnership Matrix and presents some historical information about the more significant partnerships the Institute has. See: <https://inmm.org/page/relatedorganizations> for a more complete list.
- Provided historical information on the previous Organizational Working Group efforts, circa 2008/2009, as background information for discussions held during the fall EC meeting at the end of October.
- Provided reference materials for INMM Webinar on *"The Future of the Comprehensive Test Ban Treaty"* organized by Susan Pepper, held on November 29, 2023, including a link to a November 16, 2023, Webinar hosted by the Arms Control Association entitled *"Upholding the CTBT Regime in a Time of Adversity."* See <https://www.armscontrol.org/events/2023-11/upholding-ctbt-regime-time-adversity?emci=25657c7b-b284-ee11-8925-00224832e811&emdi=d02d96fc-5285-ee11-8925-00224832e811&ceid=24764159>. For a recording of the INMM Webinar see: <https://www.youtube.com/watch?v=fjOILCI07Wc&t=4s>.
- Provided feedback and materials to the SPC as the Chair and Vice-Chair announced their intentions to step down.

- Provided feedback to the EC on suggestions for potential official statements, and comments on ideas suggested by Mark Schanfein for using Webinars to establish INMM's technical credibility on key issues.
- Attended the excellent INMM Webinar "*Women Pioneers of the Nuclear Age*" organized by Tina Hernandez. If PowerPoint presentations are available, we should consider adding them to the History website. For a recording of the Webinar, see: <https://www.youtube.com/watch?v=s3NrmFAanyk&t=32s>.
- Provided feedback to the EC on perspectives provided by Willem Jannsens on the status of the SPC activities. There are a lot of successes that we can point to for the work of the SPC in the last three years, including outreach and collaboration with other Partners, culminating in the successful international Annual Meeting with ESARDA and attendance by other similarly missioned organizations. Willem's suggestion for the INMM being the enabler/convener of an international workshop with ABACC, AFCONE, APSN, and others, could become what is known as a BHAG for the Institute (Big Hairy Audacious Goal) for the next international meeting, and fits within the Partnership strategy for the Institute.
- The Bulletin of Atomic Scientists kept the "Doomsday Clock" at 90 seconds to midnight in late January 2024. Although some progress was made in some areas during 2023, the overall assessment was that the world is still at significant risk. In addition to growing dangers from nuclear weapons and climate change, they also note that the development of artificial intelligence as well as other technological breakthroughs raise additional complications for the future of human existence. This was the subject of Vol. 50, No.4 "Taking the Long View" column, "*Emerging Technologies and the Advent of Artificial Intelligence*". See <https://thebulletin.org/doomsday-clock/> for more information on the Doomsday Clock announcement. .
- Provided an update in April to the Organizational Partnership Matrix, including verification and updates to URL links and executive leadership; addition of new organizational entities, including a detailed listing of Nuclear Engineering Departments for potential use by the Strategic Planning Committee; and realignment of organizations based on their partnership status with the INMM. The EC should review the document to see if individuals from leadership can be assigned to be the Point of Contact, validate the categorization of organizations, and identify any additional entities to add to the list.
- Attended a Los Alamos Historical Society (www.losalamoshistory.org) meeting in Los Alamos featuring Sig Hecker and Allen Carr (Senior LANL Historian) talking about "*Oppenheimer: The Rest of the Story*." The hour and a half event was a remarkable non-stop commentary not only about their observations of the Christopher Nolan film, but also amazing new stories that could have been included in the movie to make it more true to history, as well as some remarkable reflections on current events and how those tie into the use of nuclear weapons during WWII. The talk was recorded and is available on the Society's YouTube webpage: <https://www.youtube.com/watch?v=ZVewp3uyjXs&t=10s>. I shared the INMM Scenario development and recent *Taking the Long View* column with Alan and Sig to get their perspectives on our effort. Sig attended the annual INMM SW Professional Chapter Winter meeting in Santa Fe on February 23, 2024.
- Participated in new Strategic Planning Committee meetings in March, April, and May, and developed a draft process flow diagram for special topics to facilitate Goal 1 of the current Strategic Plan. See **Attachment 2**.
- Updated the Scenario Research Report for the Annual EC meeting in July, and delivered it to the new SPC leadership for consideration of recommendations to the EC.

Planned activities for the future:

- Continue to update and verify links on the INMM History website (<https://inmm.org/page/history>).
- Add a Bibliography to the INMM History website to include such materials as “The American Prometheus” and other references applicable to the historical aspects of nuclear materials and nuclear materials management.
- Will contact a reference provided by Alan Carr, the LANL Historian, to see if we can capture some of the few missing archived JNMM issues.
- Provide the next JNMM “Taking the Long View Column.”

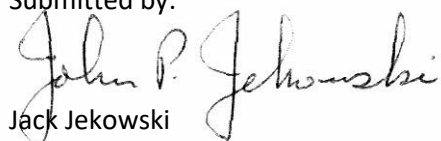
Do you have any challenges or need assistance that you would like the EC to know about?

- No, AH is always responsive to requests.

Oversight Chair*: Grace Thompson.

Committee Members* and Titles (if applicable): Not Applicable, no subcommittees.

Submitted by:



Jack Jekowski

INMM Historian

jjekowski@aol.com

5050280-2217

Attachment 1

Summary Analysis: The world continues to hurtle toward a more dangerous future as the Ukrainian invasion by Russian enters its third year with seemingly no reasonable solution toward a peaceful end. Public statements by Putin and other senior Russian officials cite the potential use of nuclear weapons if Russian territory is attacked as Belarus begins to host nuclear forces and collaborate on joint training activities. Global tensions continued with no progress on the Iran JCPOA and continued efforts by Iran to enrich to levels just a step away from nuclear weapons levels. Most knowledgeable sources estimate that Iran can build a nuclear device in weeks, with some statements by Iran implying they have all the components for a nuclear weapon. There continues to be anticipation of a seventh nuclear test by the DPRK amid increased threatening rhetoric from Kim Jong Un. Increasing tensions exist with China over Taiwan and in the East and South China Seas continue, with some senior military officials indicating that China may take aggressive actions sooner rather than later. South Korea and Japan have also suggested they might consider hosting or making their own nuclear weapons, and Saudi Arabia has said that if Iran gets nuclear weapons, they will too. Nuclear energy has taken on a new positive perspective with the energy crisis driven by the war in Ukraine and inflation, jeopardizing energy supplies globally, with oil prices heading to \$100/barrel. The global community committed during COP28 to a goal of tripling nuclear energy by 2050. Small Modular Reactor (SMR) technology efforts have significantly increased, with many agreements being signed for installations in this decade, and the U.S. military advancing portable nuclear power stations through Project PELE and other initiatives. A breakthrough demonstration of fusion at LLNL has reinvigorated investments worldwide in fusion technologies, all while advances in Artificial Intelligence (AI) have created a disturbing picture of a future world only imagined in science fiction novels. **Note:** see https://ploughshares.org/sites/default/files/resources/WDL22_0.pdf for a discussion by Dr. Emma Belcher, President of the Ploughshares Fund, on many of these topics, as well as Dr. Matt Bunn's "A Darkening Horizon: Nuclear Challenges Around the World" (<https://www.hks.harvard.edu/educational-programs/executive-education/faculty/hks-executive-education-webinar-series/darkening>).



INMM "Taking the Long View" Scenario Development

Focal Question: Where is the world headed with respect to nuclear materials and technology management?

Although nuclear proliferation continues to occur, the advancement of approaches to manage nuclear materials and technology has matured enough to strike an uncomfortable balance that provides attribution of bad behavior. Extra efforts are required to remove proliferation incentives and stabilize the fragile equilibrium.

Delicate Balance

- Ukraine War and threat by Russia to use nuclear weapons
- Failure to reinstate the JCPOA
- NPT 10th Review Conference ends without a consensus statement
- Preparations by DPRK to perform another nuclear test
- Continued tensions with China in East and South China Sea
- Continued tensions with China over status of Taiwan
- South Korea and Japan raise issue of becoming nuclear weapons states
- Development continues in next generation nuclear reactors
- Global energy markets disrupted by Russia
- Multiple designs for Advanced Reactors continue with deployment expected within the decade
- Breakthrough in fusion at LLNL, significant private investments
- Significant efforts continue to enhance monitoring techniques
- Global economic turmoil as inflation grows

- Proliferators test nuclear weapons
- Advanced nuclear weapons proliferate
- Nuclear materials reduction efforts slow
- Nuclear tensions rise amid modernization efforts
- Clandestine nuclear activities are not identified early
- Nuclear states proliferate
- New generation of international terrorists expand worldwide
- Territorial conflicts worldwide
- Loss of control of nuclear materials
- Abandonment of Arms Control Treaties
- Global economic instability driven by pandemics and climate change

Global leadership has failed to stem nuclear proliferation that has brought the world to the brink. Inequalities in treatment/tolerance of non-official NW states exist and are contested. International regimes have failed to be effective. Nuclear materials management has lost all meaning as proliferators ignore all established norms and national technical means have not provided the tools to mitigate dangerous behaviors including the use of crude nuclear weapons.

Danger, Danger

- Ukraine War and threat by Russia to use nuclear weapons
- Failure to reinstate the JCPOA, DOD breakout estimate of two weeks
- Preparations by DPRK to perform another nuclear test
- Continued tensions with China in East and South China Sea
- Continued tensions with China over status of Taiwan
- South Korea and Japan raise issue of becoming nuclear weapon states
- NPT 10th Review Conference ends without a consensus statement
- Russia launches largest ever nuclear submarine with Poseidon Torpedoes
- Hypersonic missile used for first time in war (Ukraine)
- Global energy markets disrupted by Russia
- Cyber threats continue worldwide
- Global economic turmoil as inflation grows

Impact of Nuclear Technology Advancement

(+)

- New techniques emerge for treaty verification
- CTBTO completes network and demonstrates effectiveness
- National Technical Means emerge that can be used for "stand-off" analysis of surreptitious weapons tests
- Nuclear forensics techniques are enhanced and widely publicized
- New, safer, more secure, enhanced proliferation-resistant nuclear power technologies are deployed and replace older installations

Joining Forces

Informed "new generation" global leadership recognizes the real threats posed by nuclear weapons, materials, and technologies, and works toward eliminating one existential threat to humanity. Nuclear materials and technology management takes on a new international priority with the creation of multi-lateral arms control agreements and progress toward nuclear arms reductions, global strategic trade control and universal adherence to the Nuclear Safeguards Additional Protocol.

- Multiple designs for Advanced Reactors continue with deployment expected within the decade
- Breakthrough in Fusion at LLNL
- TPNW first meeting of the States reaffirms the critical need to eliminate nuclear weapons
- Significant efforts continue to enhance monitoring techniques
- IAEA continues to serve in a critical intermediary role internationally – including oversight of Ukrainian nuclear facilities

Nonproliferation and Global Nuclear Security

Moving Forward

- TPNW first meeting of the States reaffirms the critical need to eliminate nuclear weapons
- IAEA continues to serve in a critical intermediary role internationally – including oversight of Ukrainian nuclear facilities
- Russia launches largest ever nuclear submarine with Poseidon Torpedoes
- Hypersonic missile used for first time in war (Ukraine)
- Cyber threats continue worldwide

- Non-state entities obtain capabilities for fabrication of weapons components and nuclear materials
- Cyber intrusions proliferate including attacks on physical infrastructure
- New weapons delivery technologies are developed
- Cyber threats and space capabilities challenge traditional defense concepts

Global leadership comes together to reduce the nuclear threat and strengthen the nonproliferation regime, but technology advances continue to drive the next generation Weapons of War, making nuclear materials and technology management more important than ever.

Emerging Robust Strategies

- Continue to establish and strengthen partnerships and collaborations with organizations with similar or complementary strategic goals.
- Continue to actively support and strengthen the Institute's Diversity, Equity, Inclusion and Accessibility (DEIA) initiative to ensure that the future of the Institute is broadly represented.
- Continue efforts to establish a process that may lead to an International Safeguards certification standard, thus ensuring the professional knowledge needed to accomplish the Institute's mission is made available to the Institute membership and the next generation of nuclear stewards.
- Continue to support international gatherings and collaborations such as the INMM/ESARDA Joint Annual Meetings and examine the possibility of having more International Annual Meetings.

-
- ```

graph LR
 A[Jekowski updates SRR three weeks prior to each tri-annual EC meeting and distributes to SPC.] --> B[SPC Reviews the Topical areas and identifies potential topics of interest to the EC.]
 B --> C[During the EC meeting members of the EC and attendees discuss topical areas presented by SPC and identifies potential items for action items.]
 C --> D["• INMM Position paper?
• Webinar option?
• Annual Meeting Special Topical Area, Plenary consideration, or Panel opportunity
• Special notification to members or target communities through email or social media"]
 D --> E[EC assigns action item to Point of Contact (Member at Large or Technical Division Lead) to pursue further and report out as soon as possible.]
 E --> F[POC works with Headquarters and/or Technical Divisions to develop Topical area concept]
 F --> G[Report out to EC as quickly as possible to ensure timely relevance.]
 G --> D

```
- Note** Topical areas require the following basic elements:
- INMM Position paper needs to be timely and sensitive to the various geopolitical issues of our membership, an example is the Ukraine position taken by the institute in 2022 (see <https://inmm.org/news/599848/INMM-Statement-Related-to-War-in-Ukraine.htm>)
  - The Webinar Option provides and opportunity for the Institute to bring critical issues in front of the membership and others without attribution issues since the opinions of speakers are their own. The POC/EC and Technical Divisions should assist with the identification of speakers representing various perspectives.
  - Annual Meeting, Special Topical Areas, Plenary or Panel opportunities should be coordinated with the TPC and the Annual Meeting Chair.
  - Special notifications should be coordinated with the EC and Headquarters to determine the appropriate medium to use and audience and include the Communication Committee Chair.

**JNMM Report to the EC**  
**July 2024**

We have not published another issue of the JNMM since Vol 51 No. 1 (February 14, 2024). But we have two accepted manuscripts that are going to be published as soon as HQ can get the next issue ready. In addition we have four (4) other manuscripts that are in the peer review pipeline.

We have a new associate editor for the Facility Operations technical division. Megan Sheppard ([Megan.Sheppard@tetrattech.com](mailto:Megan.Sheppard@tetrattech.com)) has graciously agreed to fill the position after Alicia Swift resigned.

The Mentor/Mentee efforts initiated under the INMM Diversity, Equity, Inclusion, and Accessibility (DEIA) Committee plans to publish the work by the mentees two at a time across the next several regular issues of the JNMM. No such manuscripts have been submitted for publication yet.

The Advisory Board that was formed last year has continued to meet periodically to provide advice and guidance to me and Brian on how to best improve and enhance the JNMM. We have updated the manuscript submission guidelines and the review criteria to include both policy and technical papers. This is now available on the INMM web site. We are also in the process of finding an associate editor to fill the newly created position of an associate editor for policy papers across all technical divisions.

As always, we ask you to encourage your colleagues to submit their work for peer review and possible publication in *JNMM*.

Respectfully submitted,

Markku Koskelo  
Technical Editor

Brian Boyer  
Assistant Technical Editor

## July 2024 Membership Committee Report

The INMM Membership committee has supported the INMM EC and membership through various endeavors since the last triennial meeting. Within the respective subcommittees listed below, the following activities were conducted:

- **New Member Subcommittee**
  - Nothing notable to report.
- **Senior Member Subcommittee**
  - Ten INMM members were selected from self-nominations to become the 2024 Cohort of INMM Senior Members. Congratulations to those new Senior Members!
    - Chungwon Cho
    - Dawn Dhom
    - Braden Goddard
    - Mark Goodman
    - Karen Hogue
    - Allyn Milojevich
    - Taketeru Nagatani
    - Camille Palmer
    - Cecil Parks
    - Laura Rockwood
- **Membership Services Subcommittee**
  - Contributed to discussions on Emeritus members with select members of the INMM EC.

The Membership committee still seeks announcements from Technical Divisions and Committees for volunteer solicitations. The below are still seeking volunteers:

- Cyber and Emerging Technology Committee (Scott Stewart, [stewartsl@ornl.gov](mailto:stewartsl@ornl.gov))
  - Data Science Working Group
  - Forensics Working Group
- Membership Committee (Claudio Gariazzo, [cgariazzo@anl.gov](mailto:cgariazzo@anl.gov))
  - New Member Subcommittee
  - Senior Member Subcommittee
  - Membership Services Subcommittee
- Strategic Financial Growth Committee (Chris Pickett, [cpickett@spectratechinc.com](mailto:cpickett@spectratechinc.com))

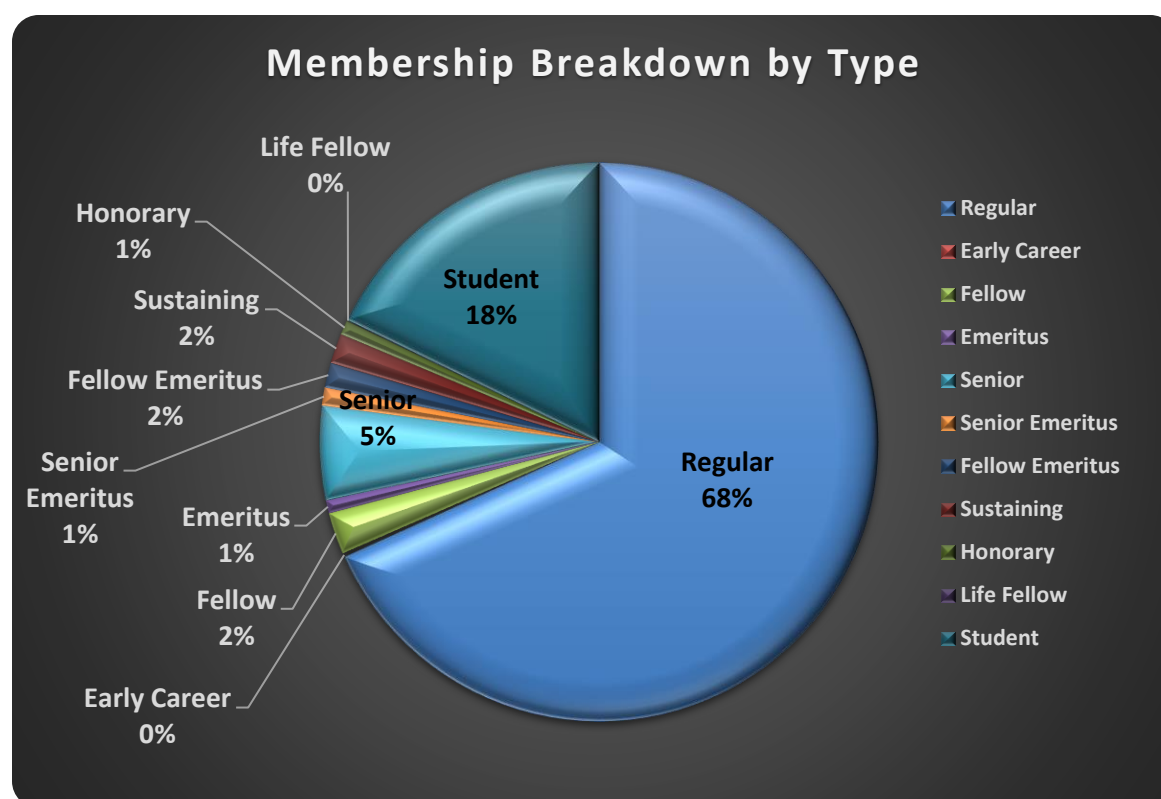
Membership numbers (provided by INMM HQ) follow this report.

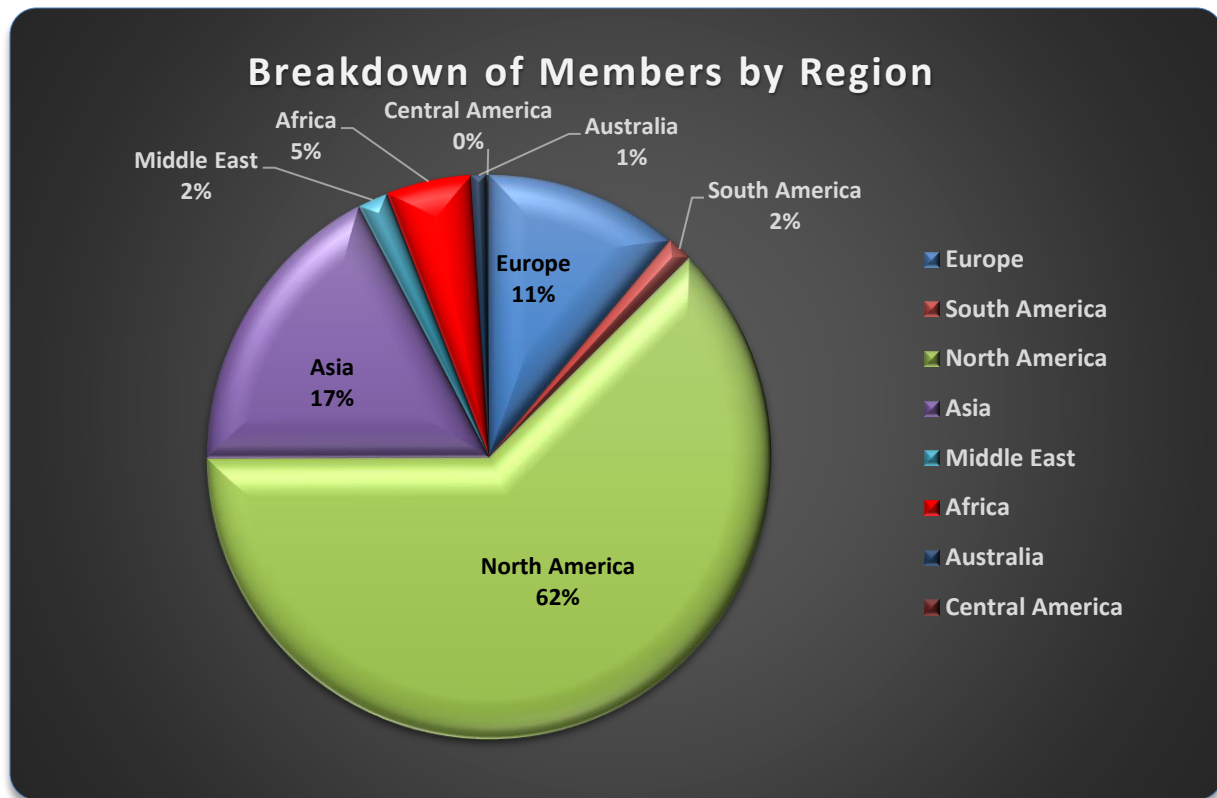
Respectfully submitted,  
Claudio Gariazzo  
Chair, Membership Committee

## Membership Recap:

Current membership statistics each year are as follows with previous years for comparison. As of July 11, 2024.

| Member Type          | June 20    | June 21     | June 22     | Aug 23      | Jul 24      |
|----------------------|------------|-------------|-------------|-------------|-------------|
| Regular              | 637        | 712         | 671         | 623         | 905         |
| Early Career         |            |             |             |             | 3           |
| Fellow               | 29         | 27          | 30          | 31          | 32          |
| Emeritus             | 8          | 9           | 7           | 9           | 10          |
| Senior               | 76         | 69          | 74          | 80          | 72          |
| Senior Emeritus      | 9          | 9           | 11          | 13          | 14          |
| Sustaining           | 19         | 15          | 21          | 24          | 23          |
| Fellow Emeritus      | 15         | 20          | 15          | 19          | 19          |
| Honorary Member      | 3          | 7           | 7           | 11          | 11          |
| Life Fellow          | 1          | 1           | 1           | 1           | 1           |
| Student              | 167        | 193         | 174         | 190         | 236         |
| <b>Total Members</b> | <b>964</b> | <b>1062</b> | <b>1011</b> | <b>1001</b> | <b>1326</b> |





### Where our Members Live:



**Algeria - 1**



**Argentina - 3**



**Armenia - 1**



**Australia - 11**



**Austria - 57**



**Bangladesh - 1**



**Belgium - 7**



**Bolivia - 1**



**Brazil - 15**



**Bulgaria - 1**



**Burkina Faso - 2**



**Cameroon - 2**



**Canada - 6**



**Democratic Republic of  
the Congo - 2**



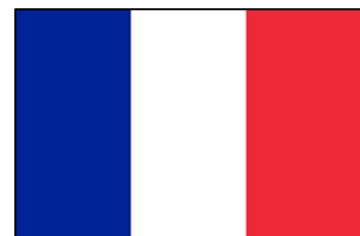
**Egypt - 4**



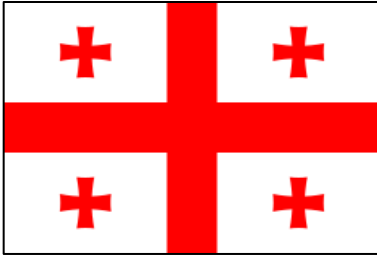
**Ethiopia - 2**



**Finland - 2**



**France - 7**



**Georgia - 3**



**Germany - 18**



**Ghana - 2**



**Honduras - 2**



**India - 14**



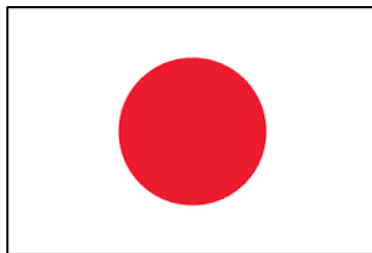
**Indonesia - 17**



**Israel - 5**



**Italy - 5**



**Japan - 130**



**Jordan - 8**



**Kazakhstan - 1**



**Kenya - 7**



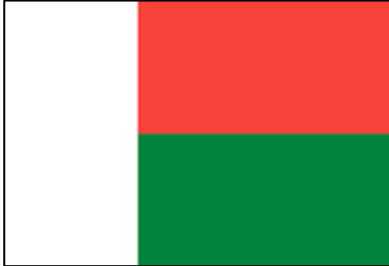
**Lebanon - 1**



**Libya - 1**



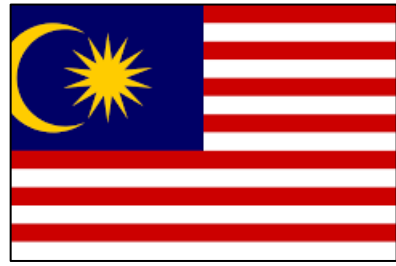
**Luxembourg - 1**



**Madagascar - 1**



**Malawi - 1**



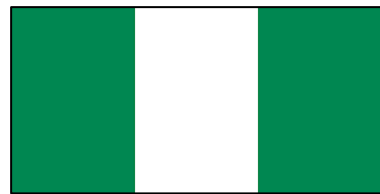
**Malaysia - 2**



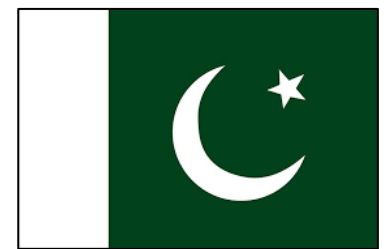
**Mexico - 1**



**Morocco - 1**



**Nigeria - 29**



**Pakistan - 3**



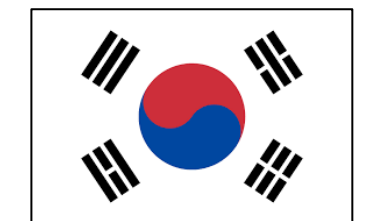
**Philippines - 1**



**Poland - 1**



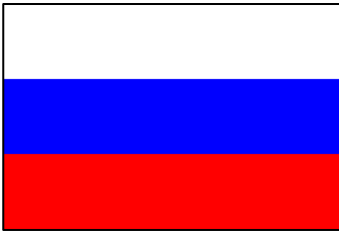
**Portugal - 1**



**Republic of Korea - 57**



**Romania - 1**



**Russia - 1**



**Saudi Arabia - 1**



**Serbia - 1**



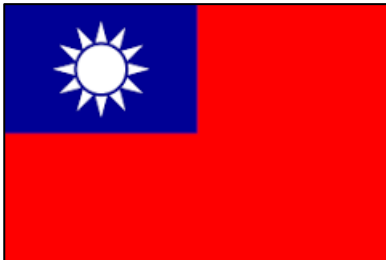
**South Africa - 5**



**Sudan - 1**



**Sweden - 4**



**Taiwan - 3**



**Tajikistan - 1**



**Tanzania - 1**



**Thailand - 2**



**Turkey - 1**



**Ukraine - 2**



**United Arab Emirates - 6**



**United Kingdom - 34**



**United States - 820**



**Uzbekistan - 1**



**Zambia - 1**



**Zimbabwe - 2**

\*Does not include sustaining companies



## **INMM Strategic Financial Growth Committee Report July 9, 2024**

### **Committee Charter:**

The Strategic Financial Growth Committee (SFGC) was approved to be a full standing committee of INMM during the October 2022 EC meeting. The SFGC charter will be to continue to investigate and work to obtain new sources of revenue that can help ensure financial sustainability for INMM missions and services. The committee also will work as needed with other standing committees to improve existing revenue generation programs within INMM; and periodically offer actionable recommendations for Executive Committee consideration.

### **Recent Efforts**

- SFGC is currently prioritizing efforts to raise awareness among both professional and student chapters about INMM's chapter incentive program and the University Sustaining Membership program. These efforts have involved:
  - Engaging chairs from the INMM Membership committee and Chapter Relations to support communication and grow awareness of these programs.
  - Outreach efforts have begun to target university faculty advisors to discuss the university sustaining membership program.
  - An outreach initiative to all chapters was also conducted to ensure familiarity with the chapter incentive program. The aim is to encourage applications for incentives, with the intention of announcing winners at this year's Annual meeting. Letters were drafted to support this effort.
  - The honorary membership definition was sent to the Membership Committee to review and develop a nomination process.
- The INMM received a grant of \$220,000 from the NNSA Office of Radiological Security to fund the attendance of 35-50 individuals from diverse backgrounds to attend the 2024 Annual Meeting. The grant will cover travel, hotel, registration, and annual membership. In addition, a workshop on nuclear security will be held on July 19 for the cohort and others who are interested in the subject. The grant also allocates funding for annual meeting A/V expenses. In all, the estimated revenue the grant will bring to the INMM is about \$50,000. If successful, this program may be repeated for 2025.
  - AH arranged for lunch during the AM for attendees and Committee Chairs to meet with the ORS cohort at the Kimpton property across the street from the Portland Marriott on Wednesday, July 24 @ 12:30 pm.

- Targeted messaging was set up by AH staff to communicate networking opportunities available to attendees for attending the Annual Meeting. There will be a special orientation session for the ORS Cohort and first time attendees at 5pm on July 21 immediately prior to the President's Reception.
- Additionally, we are exploring new grant opportunities to support the attendance of underrepresented individuals at INMM events. This has become more challenging due to the lack of funds from NTI to support such engagements.
- Collaboration with AH has begun to explore the possibility of introducing a nonmember fee for attendees of INMM webinars.
- Furthermore, we are considering the option of securing sponsors for INMM webinars.
- We are continuing to look for additional committee members to serve on the SFG Committee. Have reached out to the Membership Committee Chair to let new members know of our opportunities to serve.
- Finally, we are very pleased to announce Mathew Ives as the new chair for the SFG Committee, please welcome him and support his efforts going forward.

Respectfully submitted.

Chris A. Pickett

**Current Committee Members:**

Mathew Ives – Incoming Chair

Chris A. Pickett – Outgoing Chair

Alejandra Gonzalez-Torres

Daniel Hartman

Melanie May

Susan Pepper

**Ad-hoc Committee members:**

Mark Schanfein

Tina Hernandez

Jim Andre

Teressa McKinney

Jessica White- Horton

Logan Scott

## **INMM Strategic Planning Committee**

In 2024, the INMM Strategic Planning Committee (SPC) Co-Chairs announced their intention to step down from committee leadership. The Executive Committee advertised the position and selected Susan Pepper to Chair the SPC and Harishchandra Aryal to be the Deputy Chair. Willem and Dan provided excellent turnover documentation to help the transition.

Susan and Harish held two committee meetings in the spring. The SPC reviewed the current strategic plan and considered new 120-day goals. The strategic plan is quite broad, and it is difficult to make a lot of progress in one-hour Zoom meetings. The leaders decided to use the 2024 Annual Meeting as an opportunity to survey the attendees for input as to the most pressing issues facing the INMM and how we can accomplish the goals of the Institute.

A formal strategic planning session is planned for 2025.

Additional committee members are always welcome.

Respectfully submitted

Susan Pepper, Chair

INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
CENTRAL REGION CHAPTER  
JULY 2024

**Activities:**

Our focus continues to be on our key objectives for the year which will include increased member involvement and growing our membership. We had fantastic growth since the March report with 92 additional members and 4 new states! We continue do a good job connecting with our university chapters but will look to re-establish universities that have deactivated their chapters.

We continued with our monthly Central Region Chapter (CRC) Executive Committee (EC) meetings that are a mix of virtual and hybrid meetings.

We were successful in updating the CRC bylaws to reflect the CRC membership. The previous version posted on the INMM website only had 6 of the 17 states covered by the CRC and included one, Pennsylvania, that is not part of the CRC. The bylaws were updated in 2018 but were not finalized. This 2018 version was revised, approved by the CRC EC and membership, forwarded to the Chapter Relations Committed for concurrence, and approved by the INMM Executive Committee in March. Once approved by the INMM EC, the updated bylaws were logged in the INMM records (and posted on the CRC chapter website).

**Planned Activities:**

The CRC is still in the process of organizing a workshop associated with some element of export controls. We will continue to work with Argonne National Laboratory as they have offered to host this workshop and look forward to having a CRC workshop outside of Tennessee. It has been a challenge getting a consistent leadership team together to make this workshop a reality. We have now decided to push this workshop to the Spring of 2025 and will begin active plans after the Annual Meeting.

**Central Region Chapter Executive Committee Fiscal Year 2024**

| Office                   | Name                 | Term Ending |
|--------------------------|----------------------|-------------|
| President                | Morris Hassler       | 9/30/2025   |
| Vice President           | Daniel Hartman       | 9/30/2025   |
| Secretary                | Jacob Fritchie       | 9/30/2025   |
| Treasurer                | Bradley Lofton       | 9/30/2025   |
| Member-at-Large          | Katie Cook           | 9/30/2025   |
| Member-at-Large          | Don Kovacic          | 9/30/2025   |
| Member-at-Large          | Jennifer Ladd-Lively | 9/30/2024   |
| Member-at-Large          | Ana Raffo Caiado     | 9/30/2024   |
| Immediate Past President | Jessica White-Horton | Appointed   |

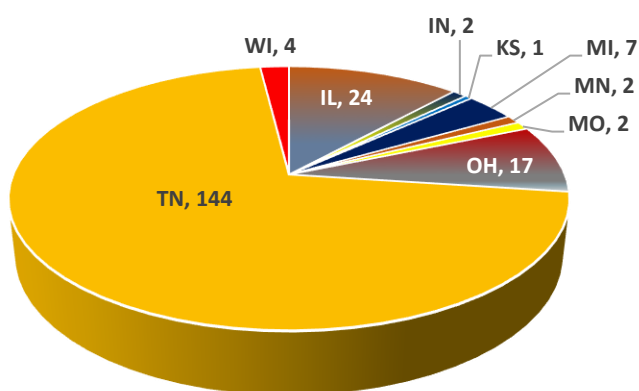
## Membership:

The CRC has added 92 additional members and 4 new states since the last report for a total of 203 (195 current Individual members and 8 Sustaining organizational members). These members are categorized as follows:

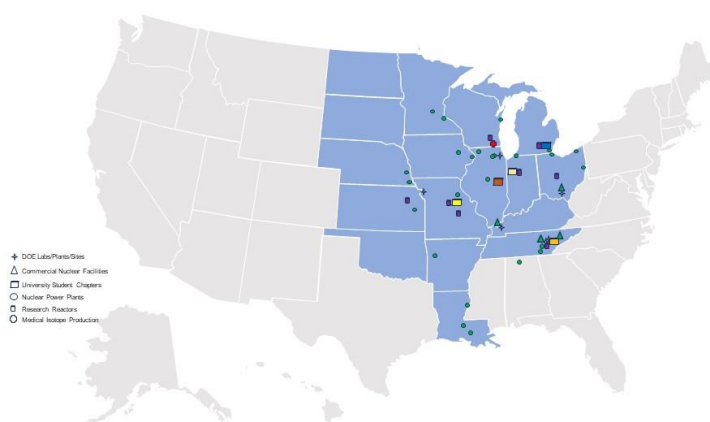
| Member Type                        | Number     |
|------------------------------------|------------|
| Emeritus Member                    | 4          |
| Regular Member                     | 163        |
| Student Member                     | 15         |
| Employee of Sustaining Org. Member | 13         |
| Bronze Sustaining Member           | 3          |
| Gold Sustaining Member             | 3          |
| Platinum Sustaining Member         | 1          |
| Diamond Sustaining Member          | 1          |
| <b>Total</b>                       | <b>203</b> |

These members are located in the nine states of Tennessee, Illinois, Ohio, Michigan, Wisconsin, Indiana, Minnesota, Missouri, and Kansas. This is three additional states since the March report adding Minnesota, Missouri, and Kansas. The CRC is large and covers 17 states with many nuclear facilities and universities, so we plan to continue to expand and diversify our membership.

CRC Membership by State (203 total)



INMM Central Region Chapter



## Submitted by:

Morris Hassler, Central Region Chapter President

# INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT

## Japan Chapter

Period covered: February 1, 2024– June 30, 2024

### 1. Executive Committee Members (as of June 30, 2024)

|                            |                  |
|----------------------------|------------------|
| President                  | Hiroshi Tsuboi   |
| Vice-President & Secretary | Shotaro Mori     |
| Treasurer                  | Tetsu Nagamine   |
| Members-at-large           | Takashi Asano    |
|                            | Kazuyuki Demachi |
|                            | Akira Goto       |
|                            | Masako Ikegami   |
|                            | Naoko Inoue      |
|                            | Masaki Kanou     |
|                            | Hiroshi Sagara   |
|                            | Hironobu Unezaki |
| Immediate Past President   | Yosuke Naoi      |

### 2. Executive Committee Meeting

The 188<sup>th</sup> and 189 Executive Committee Meeting were held on March 14 and on June 20, 2024 respectively. Primarily, following topics were discussed and reviewed.

- 1) Discussed that the actions and activities for the chapter revitalization key points are as follows
  - Discussed that amendment of the Japan Chapter (INMMJ) operation manuals
  - Discussed that the Web seminar plan on the impact of Russia's invasion of Ukraine on nuclear non-proliferation, nuclear security, and the peaceful uses of nuclear energy jointly with Atomic Energy Society of Japan and Japan Atomic Energy Agency (JAEA).
- 2) Reviewed reports from the Planning Committee, the Public Relation Committee, the Annual Meeting Program Committee, Student Division and the Mentor Division.
- 3) Reviewed that the current status of IAEA Safeguards Glossary Japanese translation, especially necessary process for obtaining approval from IAEA.

### 3. Strategic Planning Meeting

The 26<sup>th</sup> and 27<sup>th</sup> Strategic Planning Meeting were held on February 15 and on May 23, 2024 respectively. Primarily, following topics were discussed:

- 1) Discussed using SNS for INMMJ public relation
- 2) Discussed that an improvement of the INMMJ HP
- 3) Discussed that the plan of the IAEA Safeguards Glossary Japanese translation
- 4) Discussed and reviewed that the plan of the upcoming annual meeting
- 5) Discussed that the Web seminar plan on the impact of Russia's invasion of Ukraine on nuclear non-proliferation, nuclear security, and the peaceful uses of nuclear energy jointly with Atomic Energy Society of Japan and Japan Atomic Energy Agency (JAEA).

### 4. Annual Meeting and General Meeting

Discussed and reviewed that the 45<sup>th</sup> Japan INMMJ annual meeting preparation status.

The 45<sup>th</sup> INMMJ annual meeting will be held at Tokyo University on November 27<sup>th</sup> and 28<sup>th</sup> 2024.

## 5. Membership Status (as of June 30, 2024)

Regular Member : 112 (including 4 Emeritus and 10 Senior members)

Student Member : 19

\*Chapter Sustaining Member : 32 Institutions and 8 Individual

(\*: Relevant only to Japan Chapter)

### INMM Japan Chapter FY2023 Treasurer's Report (Oct. 1st 2022 - Sep. 30th 2023)

| Category                                | budget(JPY)<br>(1) | treasure(JPY)<br>(2) | Balance(JPY)<br>(2)-(1) |
|-----------------------------------------|--------------------|----------------------|-------------------------|
| Carry forward from FY2021               | 5,036,147          | 5,036,147            | 0                       |
| <b>【Income】</b>                         |                    |                      |                         |
| Regular membership dues                 | 2,115,000          | 1,800,000            | ▲ 315,000               |
| Student membership dues                 | 69,000             | 60,000               | ▲ 9,000                 |
| Sustaining membership dues              | 3,200,000          | 3,300,000            | 100,000                 |
| Individual sustaing                     | 0                  | 10,000               | 10,000                  |
| Annual meeting registration fee         | 780,000            | 494,000              | ▲ 286,000               |
| INMMJ Work-Shop registration            | 100,000            | 0                    | ▲ 100,000               |
| Advertisement                           | 870,000            | 550,000              | ▲ 320,000               |
| Temporay Receipt                        | 15,000             | 97,780               | 82,780                  |
| Bank deposit interest                   | 300                | 46                   | ▲ 254                   |
| <b>【Total Income】</b>                   | 12,185,447         | 11,347,973           | ▲ 837,474               |
| <b>【Expense】</b>                        | budget(JPY)<br>(1) | treasure(JPY)<br>(2) | Balance(JPY)<br>(1)-(2) |
| Annual membership dues paid to INMM     | 2,918,125          | 2,473,842            | 444,283                 |
| Annual meeting and workshop room charge | 350,000            | 306,109              | 43,891                  |
| Meeting expense                         | 356,400            | 33,269               | 323,131                 |
| Annual meeting social activity          | 180,000            | 123,819              | 56,181                  |
| Office supply                           | 92,000             | 45,276               | 46,724                  |
| Printing                                | 445,000            | 423,918              | 21,082                  |
| Honorarium                              | 90,000             | 70,000               | 20,000                  |
| Labour charge                           | 1,541,600          | 1,072,600            | 469,000                 |
| Travel and transportation               | 1,017,200          | 117,033              | 900,167                 |
| Postage                                 | 140,778            | 86,614               | 54,164                  |
| Miscellenious                           | 266,640            | 242,260              | 24,380                  |
| Office equipment Software               | 253,000            | 220,103              | 32,897                  |
| Information Sysytem                     | 456,000            | 159,950              | 296,050                 |
| Public Reations Activiries              | 60,000             | 0                    | 60,000                  |
| Book expenses                           | 25,000             | 18,828               | 6,172                   |
| Student group activities fee            | 500,000            | 27,500               | 472,500                 |
| <b>【Total expense】</b>                  | 8,691,743          | 5,421,121            | 3,270,622               |
| <b>【Income - Expense】</b>               | 3,493,704          | 5,926,852            |                         |
| <b>Carry forwards to FY2023</b>         | 3,493,704          | 5,926,852            |                         |

INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
KOREA CHAPTER

Annual Report to Executive Committee and the Membership  
July 10, 2024

**Leadership**

The Korea Chapter Executive Committee (EC) members are the following:

| Office         | Name           | Term Ending   |
|----------------|----------------|---------------|
| President      | Jooho Whang    | December 2025 |
| Vice President | Joohyun Moon   | December 2025 |
| Vice President | Eun-ha Kwon    | December 2025 |
| Vice President | Jonghyeok Baek | December 2025 |
| Secretary      | Sung-tae Yang  | December 2025 |
| Treasurer      | Youho Lee      | December 2025 |

The EC is supported by Saerom Son, Chapter Associate for Administrative Support.

**Membership**

The Chapter has 41 members and is actively recruiting new members, including not only research and academic experts but also young leaders from the industry. The Chapter is also associated with 7 sustaining membership organizations.

**Activities**

1. The Chapter held two **Executive Committee Meetings** on October 27, 2023, and May 17, 2024, respectively. In those meetings, the Committee reviewed the 2023 Annual Report, the operational status of the associate organization, and the progress of outreach activities. Additionally, the Committee approved the plan to host a workshop in May, jointly with the Korean Radioactive Waste Society.
2. The Chapter held the **2023 Annual Meeting** on November 10, 2023, at L'SCAPE Hotel. The theme was "Trends and Prospects in the Development of Nuclear Activity Verification Technologies," and it was attended by over 100 participants. During the meeting, the membership noted with satisfaction the 2023 Annual Report and approved the 2022 Treasurer's Report and the 2024 Activities Plan (w/ Budget).
3. The representatives of the Chapter, led by President Whang, visited Washington, D.C.-based think tanks from February 26 to March 1, 2024, to discuss future collaboration in the nonproliferation field. The organizations they visited include the Atlantic Council, the Carnegie Endowment for International Peace, the Center for National Interest, the Council on Foreign Relations, the Mansfield Foundation, the Nuclear Energy Institute and Third Way.

INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
KOREA CHAPTER

Annual Report to Executive Committee and the Membership  
July 10, 2024

4. The Chapter, jointly with the Korea Hydro & Nuclear Power, Co., Ltd, welcomed a group of students and professionals led by Dr. Gariazzo from Argonne National Laboratory. They asked for a technical tour, in conjunction with their research on “Best Practices for Implementing IAEA Safeguards Measures in Non-Nuclear Weapon States.”
5. The Chapter, jointly with the Korean Radioactive Waste Society, held a workshop on May 30, 2024, at the Busan Port International Exhibition & Convention Center (BPEX). The theme was “Enhancing National Capabilities to Promote Nuclear Power Export,” and it was attended by 90 participants.
6. The Chapter, jointly with the International Atomic Energy Agency, held a workshop on May 31, 2024, at the Busan Port International Exhibition & Convention Center (BPEX). The theme was “Introduction to Public Information Collection Activities on the Nuclear Fuel Cycle Related to IAEA Safety Measures.”

**Key Upcoming Activities**

1. President Whang is scheduled to give an opening plenary speech at the 2024 Annual Meeting, which will be held on July 21-25, 2024, in Portland, Oregon. He will discuss the growing importance of nuclear power in addressing climate change and ensuring energy security, as well as the challenges posed by the global expansion of nuclear power and Korea’s role in addressing these challenges.
2. During the meeting, the Chapter is preparing to hold meetings with the INMM Headquarters as well as other international chapters of the Institute to discuss future collaborations.
3. The Chapter will hold the 2024 Annual Meeting in the first week of December in Gyeongju, in conjunction with the Global Nuclear Energy & Safety Confex (NES 2024).
4. The Chapter plans to establish a website for the membership to access resources and provide venues for networking.

Respectfully Submitted:



Eun-ha Kwon  
Vice President, Korea Chapter

INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
SOUTHEAST CHAPTER  
July 2024

The acting Southeast Executive Committee members are the following:

| Office                   |                           | Term Ending |
|--------------------------|---------------------------|-------------|
| President                | Jeff Allender (acting)    | 8/31/2024   |
| Vice President           | Ed Ketusky (acting)       | 8/31/2024   |
| Secretary                | Catherine Ramsey (acting) | 8/31/2024   |
| Treasurer                | Dawn Dhom (acting)        | 8/31/2024   |
| Member-at-Large          | Timothy Aucott (acting)   | 8/31/2024   |
| Member-at-Large          | Franklin DuBose (acting)  | 8/31/2024   |
| Member-at-Large          | Robert Watkins (acting)   | 8/31/2024   |
| Member-at-Large          | (vacant)                  | n.a.        |
| Immediate Past President | Bradley Loftin            | n.a.        |
| Advisor*                 | n/a/                      | n.a.        |

Current Southeast Chapter members per INMM portal: 61

Previous and future Chapter officers' meetings: September 2022 (officers), March 1, 2024 (all current and past members invited and solicited), July 5, 2024 (elections team)

### **Southeast Chapter Activities**

Only minimal progress was achieved in the last year toward resuming full chapter operations. Previous elected officers have relocated or retired, and outreach activities were stalled by Covid and teleworking/telelearning changes. Through negotiations and incentives, a slate of officers is identified to support elections planned for August 2024. The "full" virtual executive meeting was hampered by inaccessibility of all players to the same platform.

During the year, with the help of INMM Chapter Relations, we supported the establishment of a student chapter at Alabama A&M University. Progress is underway to raise the membership at Georgia Tech to allow reinstituting the student chapter, discussions are focused on a reestablishment of the Triangle Chapter, and partnerships are being developed with SCUREF and CNTA. Because there are difficulties at some universities gaining enough members for a viable student chapter, instead of aligning with WM or ANS, several "clusters" of colleges and universities will be further explored later in 2024. Several proposals for symposia have not reached fruition but are promising for after elections establish an energetic baseline.

### **Financial Statement**

Expenses were accrued for account balances, but in June 2024 the Chapter changed its checking account to a type that does not incur monthly fees and replaced signature authority for departed officers to current officers. Checking Account Balance: \$3,572.54. Certificate of Deposit: \$1,050.58.

Respectfully Submitted:  
Jeffrey S. Allender (acting)

INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
SOUTHWEST CHAPTER  
July 2024

The Southwest Chapter Executive Committee members are the following:

| Office                   |                  | Term Ending |
|--------------------------|------------------|-------------|
| President                | Athena Sagadevan | Fall 2024   |
| Vice President           | Phoenix Baldez   | Fall 2024   |
| Secretary                | Tom Stockman     | Fall 2024   |
| Treasurer                | Cody Corbin      | Fall 2024   |
| Member-at-Large          | Chris Faucett    | Fall 2024   |
| Member-at-Large          | Adam Hecht       | Fall 2024   |
| Member-at-Large          | Heidi Smartt     | Fall 2024   |
| Member-at-Large          | Steve Wyrick     | Fall 2024   |
| Immediate Past President | Margaret Root    | Fall 2024   |

\* Current Members:

See attached list.

\* Date of last officers meeting:

February 23, 2024

For which EC Meeting was your last report submitted:

March 2024

Activities since your last report.

- SW Chapter Winter Meeting

Planned activities:

- Fall Officer Elections

Do you have any challenges or need assistance that you'd like the EC to know about?

Submitted by:

Tom Stockman, Secretary

Oversight (OS) Chair\*: Grace Thompson

\* Items marked with an asterisk are required by the Chapter Activity Policy.

**Treasurer's Report (*Excel Spreadsheet or Word Table*) – the elements in this table must be included with your Annual Report submitted for the July EC meeting**

| <b>FY2024 FINAL</b>                                             |                    |                  |                |
|-----------------------------------------------------------------|--------------------|------------------|----------------|
| <b>SW Chapter Financial Statement – 10/01/2024 – 09/30/2023</b> |                    |                  |                |
|                                                                 | Income             | Expenses         | Notes          |
| <b>Chapter Balance: 10/01/2023</b>                              | <b>\$9298.96</b>   |                  |                |
| <b>Income:</b>                                                  |                    |                  |                |
|                                                                 | \$10633.50         |                  | 3S Workshop    |
| <i>Income Total:</i>                                            | <i>\$10,633.50</i> |                  |                |
| <b>Expenses:</b>                                                |                    |                  |                |
|                                                                 |                    | \$500            | INMM           |
|                                                                 |                    |                  | Donation       |
|                                                                 |                    | \$1604.28        | SW Chapter     |
|                                                                 |                    |                  | Winter Meeting |
| <i>Expenses Total:</i>                                          |                    | <i>\$2104.28</i> |                |
| <b>Chapter Balance: 09/30/2024</b>                              | <b>\$17828.18</b>  |                  |                |



INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
VIENNA CHAPTER  
October 2023 – September 2024

**The Vienna Chapter Executive Committee members are the following:**

| Office                   |                    | Term Ending  |
|--------------------------|--------------------|--------------|
| President                | Alexis Trahan      | January 2025 |
| Vice President           | Katherine Spence   | January 2025 |
| Secretary                | Sarah Sarnoski     | January 2025 |
| Treasurer                | Jonathan Beaumont  | January 2025 |
| Member-at-Large          | Rebecca Krentz-Wee | January 2025 |
| Member-at-Large          | Valeriia Hesse     | January 2025 |
| Immediate Past President | Nicholas Smith     | January 2025 |

**\* Current Members:**

INMM dues paying members: 50

INMM Vienna Chapter Associate Members: 11

**\* Date of last officers meeting:**

March 27, 2024

**For which EC Meeting was your last report submitted:**

July 2023

**Activities since your last report:**

The INMM Vienna Chapter activities for the 2023-2024 reporting period are divided into three categories: Chapter functions, Chapter outreach and communication, and Chapter engagement and events.

**A) Chapter functions**

The Chapter's constitution and bylaws were updated by Chapter vote in February 2024. The update was in order to meet requirements set by Austrian law for formation of a nonprofit organization. This status is required for the Chapter to execute basic functions such as opening a bank account. The updated constitution and bylaws have been submitted to the municipality and the Executive Committee is currently awaiting a response.

The Chapter also held annual elections in March, and the new Executive Committee was established.

**B) Chapter outreach and communication**

The INMM Vienna Chapter has increased its online presence and fostered stronger connections within our community. Over the past few months, the INMM Vienna Chapter has introduced several initiatives aimed at improving communication, engagement, and interaction among its members.

**Monthly Newsletter**

The new monthly newsletter is designed to keep members informed about the latest developments, upcoming events, and key activities within the INMM Vienna Chapter. Each edition features updates from the Executive Committee, highlights from recent chapter activities, information on INMM National events and opportunities, and previews of future Vienna Chapter events. The Chapter encourages all members to subscribe to stay updated and

actively participate in this growing community. Highlights from the Newsletter are shown in Figure 1.

### **Member Survey**

To better understand and cater to the community interests and preferences, the INMM Vienna Chapter has launched the “INMM Vienna: Interests and Suggestions” survey. This questionnaire serves as a vital tool for aligning activities with expectations and enhancing the value of membership. Community feedback is crucial in planning more relevant and engaging activities. Access the survey here: [INMM Vienna: Interests and Suggestions](#)

### **LinkedIn Page**

The INMM Vienna Chapter has also launched its official LinkedIn page to better connect with members and the wider professional community. The LinkedIn page is a dynamic platform, which introduces latest news and allows the Chapter to network with fellow professionals, while also increasing the reach of the INMM Vienna Chapter events and announcements.

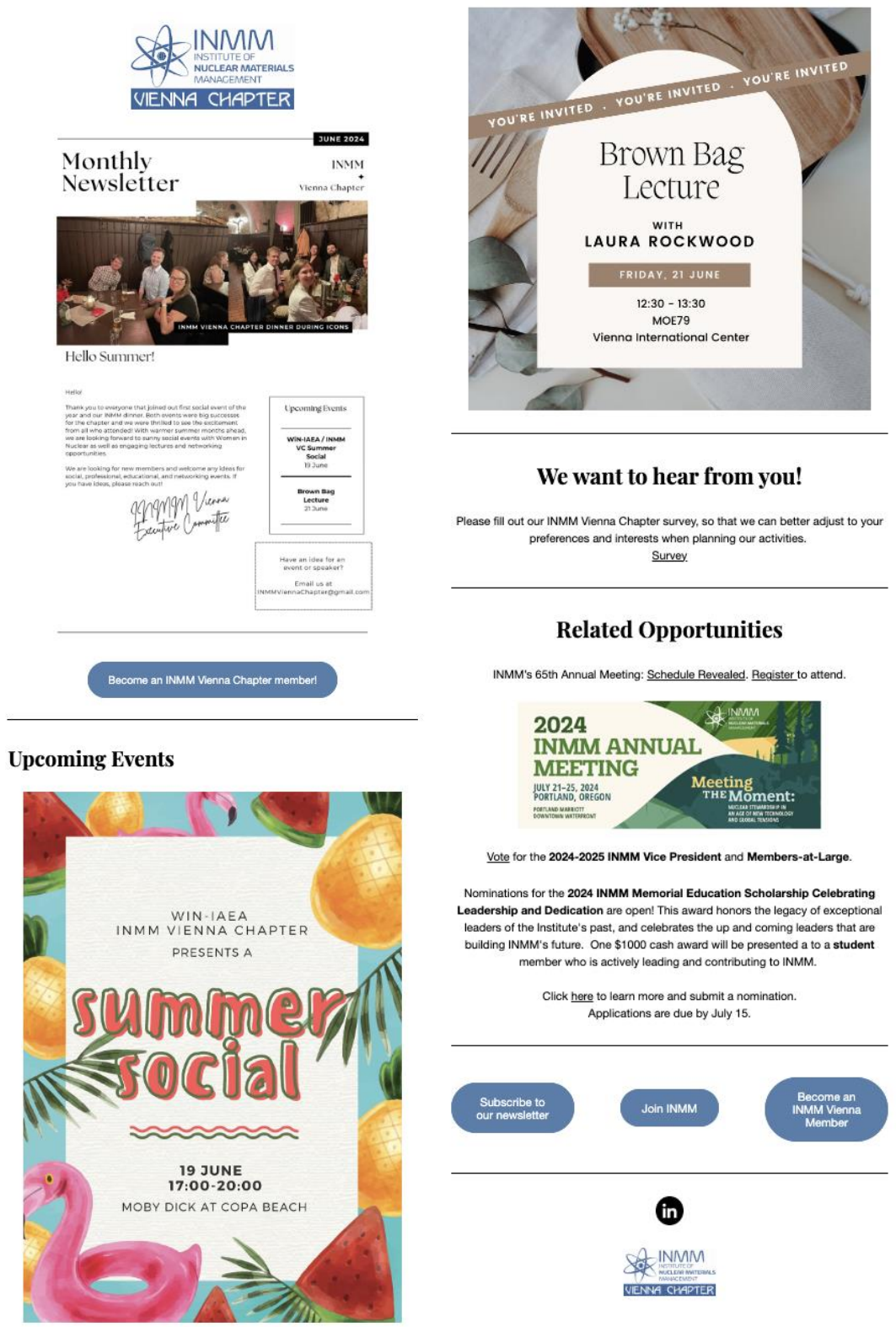


Figure 1. INMM Vienna Chapter monthly newsletter for June, 2024

C) Chapter engagement and events

The Chapter has held events to engage with our own members, our sister organizations at the Vienna International Center including Women in Nuclear (WiN) and UN-Nuclear Young Generation (UN-NYG), as well as our extended community in Vienna.

**Science Fair, April 20, 2024**



The 2024 Vienna International Science & Engineering Fair was held at the Lycée Française de Vienne. Over 40 projects representing secondary schools across Europe addressed this year's theme of "Climate Solutions." The INMM Vienna Chapter organized the event alongside Women in Nuclear IAEA (WiN IAEA), and UN-Nuclear Young Generation (UN-NYG) with support from the European Patent Office, the Organization of the Petroleum Exporting Countries (OPEC), and Austrian insurance company UNIQA. The INMM Vienna Chapter is grateful to INMM National for sponsoring a cash award for the winning student projects.

**Social Hour and Membership Drive, May 8, 2024**

The Chapter held a happy hour in the Vienna International Center. The event provided an opportunity for current members to socialize and for the Chapter to recruit new members, particularly with the new associate member option. While we also hope to recruit additional dues-paying full INMM members, several people were appreciative of the reduced cost of membership for the opportunity to attend local events. Approximately 20 people attended the social hour.

### **Networking Dinner, May 21, 2024**



The Chapter held a traditional Austrian dinner at Melker Stiftskeller, timed to fall during the International Conference on Nuclear Security held at the IAEA. As a result, we had 32 attendees from both the local Vienna Chapter and several US chapters. The event was an excellent opportunity for our local members to network with our visitors from the US, many of whom held leadership positions in US National Laboratories and the INMM Executive Committee. Brief remarks were given by Kory Sylvester, Director of the IAEA Safeguards Division of Concepts and Planning, and Corey Hinderstein, Acting Principal Deputy Administrator of the National Nuclear Security Administration.

### **Joint Social with WiN, June 19, 2024**

To kick off summer, the INMM Vienna Chapter held a joint social with WiN-IAEA on the banks of the Danube River. Despite the heat, we had a great turn out for networking and enhancing our relationship with the Women in Nuclear's IAEA chapter.

### **Brown Bag with Laura Rockwood, June 21 2024**



The Chapter was fortunate to have a Brown Bag lecture event with Laura Rockwood in June. Laura provided a fantastic overview of the legal issues surrounding safeguards and nuclear submarines. We received a lot of positive feedback about the event, and had six new individuals sign up for our newsletter as a result of the event. Approximately 20 people attended the event.

#### **Planned activities:**

The Chapter plans to continue our Brown Bag lunch series and is always receptive to suggestions for speakers, particularly from other INMM chapters who may be visiting Vienna. A speaking event will be organized in the coming months with Ambassador Laura Holgate.

#### **Do you have any challenges or need assistance that you'd like the EC to know about?**

None at this time.

#### **Submitted by:**

Alexis Trahan, INMM Vienna Chapter President

Oversight (OS) Chair\*: Grace Thompson

\* Items marked with an asterisk are required by the Chapter Activity Policy.

## Treasurer's Report

### FY2024 FINAL

#### Vienna Chapter Financial Statement – 10/01/2023 – 09/30/2024

|                         | Income        | Expenses       | Notes                                                         |
|-------------------------|---------------|----------------|---------------------------------------------------------------|
| <b>Chapter Balance:</b> |               |                |                                                               |
| <b>10/01/2023</b>       |               | <b>4122.95</b> |                                                               |
| <b>Income:</b>          | 110.00        |                | Membership fees                                               |
|                         | 454.28        |                | INMM contribution for Science Fair<br>Award (after bank fees) |
| <i>Income Total:</i>    | <i>564.28</i> |                |                                                               |
| <b>Expenses:</b>        |               | -21.96         | Account fees                                                  |
|                         |               | -124.70        | May social event                                              |
|                         |               | -500.00        | Donation for Science Fair Awards                              |
|                         |               | -59.36         | Supplies for Science Fair                                     |
|                         |               |                | Lawyer fees for Vienna Chapter Club                           |
|                         |               | -192.00        | Status                                                        |
| <i>Expenses Total:</i>  |               | <i>-898.02</i> |                                                               |
| <b>Chapter Balance:</b> |               |                |                                                               |
| <b>09/30/2024</b>       |               | <b>3455.47</b> |                                                               |

INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
AHMADU BELLO UNIVERSITY, ZARIA STUDENT CHAPTER  
July, 2024

The Ahmadu Bello University, Zaria Nigeria Student Chapter Executive Committee members are the following:

| Office                   |                        | Term Ending    |
|--------------------------|------------------------|----------------|
| President                | Jibril Aliyu Hayatu    | September 2025 |
| Vice President           | Hassan Bukar Usman     | September 2025 |
| Secretary                | Isma'il Bello          | September 2025 |
| Treasurer                | Okoye, Geraldine Nneka | September 2025 |
| Member-at-Large          | Joshua Dekilo Dogo     | September 2025 |
| Member-at-Large          | Ibrahim Bukar Kachalla | September 2025 |
| Member-at-Large          |                        |                |
| Member-at-Large          |                        |                |
| Immediate Past President | Abubakar Aliyu Sadiq   | September 2025 |
| Advisor*                 | Prof. Umar Sadiq       | -              |

**\* Current Members:**

10 Members

**\* Date of last officers meeting:**

30<sup>th</sup> June 2024

**For which EC Meeting was your last report submitted:**

November, 2023.

**Activities since your last report.**

| s/no | Activity                                                                                                     | Date            |
|------|--------------------------------------------------------------------------------------------------------------|-----------------|
| 1    | Seminar on Physical Protection of Nuclear Facilities<br>Phase II / Inauguration of the New Executive Members | 10th May, 2024  |
| 2    | Chapter Meeting                                                                                              | 30th June, 2024 |

**Planned activities:**

| s/no | Activity                                                                                                    | Date                 |
|------|-------------------------------------------------------------------------------------------------------------|----------------------|
| 1    | General Congress and Introduction/Orientation of New Members                                                | 22th July, 2024      |
| 2    | Mentorship Session I                                                                                        | 9th August, 2024     |
| 3    | Mentorship Session II                                                                                       | 30th August, 2024    |
| 4    | Facility Tour of the Nigerian Research Reactor NIRR 1 at the Center for Energy Research and Training, Zaria | 19th September, 2024 |

**Do you have any challenges or need assistance that you'd like the EC to know about?**

So far, the chapter is running smoothly with the guidance of the advisor.

**Submitted by:**

Jibril Aliyu Hayatu, Chapter President

Oversight (OS) Chair\*: Grace Thompson

\* Items marked with an asterisk are required by the Chapter Activity Policy.

## Treasurer's Report

| FY2024 FINAL                                                                                                      |            |              |                                        |
|-------------------------------------------------------------------------------------------------------------------|------------|--------------|----------------------------------------|
| Ahmadu Bello University, Zaria Nigeria Student Chapter Executive Financial Statement –<br>11/01/2023 – 07/10/2024 |            |              |                                        |
|                                                                                                                   | Income (₦) | Expenses (₦) | Notes                                  |
| <b>Chapter Balance: 11/01/2023</b>                                                                                | 220,000    |              |                                        |
| <b>Income:</b>                                                                                                    |            |              |                                        |
| Chapter Stipend                                                                                                   | 330,000    |              |                                        |
| <b>Income Total:</b>                                                                                              | 330,000    |              |                                        |
| <b>Expenses:</b>                                                                                                  |            |              |                                        |
| Seminar                                                                                                           |            | 70,000       | Refreshment + Honorium<br>for speakers |
| Printing + Stationary                                                                                             |            | 3,000        |                                        |
| Chapter Meeting                                                                                                   |            | 50,000       | Logistics + Refreshment                |
| Miscellaneous                                                                                                     |            | 2,000        |                                        |
| <b>Expenses Total:</b>                                                                                            |            | 125,000      |                                        |
| <b>Chapter Balance: 07/10/2024</b>                                                                                |            | 425,000      |                                        |

INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
INMM AMITY STUDENT CHAPTER  
JULY 2023-JUNE 2024

The **AMITY University** Executive Committee members are the following:

| Office                      |                                        | Term Ending    |
|-----------------------------|----------------------------------------|----------------|
| President                   | Mr. Mohd. Tabish                       | September 2024 |
| Vice President              | Mr. Brijesh Singh                      | September 2024 |
| Secretary                   | Mr. Sohail Khan Shaheed<br>Khan Pathan | September 2024 |
| Treasurer                   | Ms. Nidhi Pandey                       | September 2024 |
| Webmaster (member at large) | Mr. Arham Javed                        | September 2024 |
| Member-at-Large             | Mr. Kaushal Kishore Singh              | September 2024 |
| Immediate Past President    | Mr. Shreesh Sahai                      | September 2023 |
| Advisor*                    | Ms. Archana Yadav                      | September 2024 |

\* Current Members: 07

\* Date of last officers meeting: 15<sup>th</sup> May 2024

For which EC Meeting was your last report submitted: May 2023

Activities since your last report. (all reports at the end)

The activities organized were hands on training for school, university Graduate and post graduate students. The students were from both engineering and technology and science and technology domain. Source search in a room, building and room were the activities organized. Technical lectures were delivered by industry experts on diverse topics like nuclear fuel, fabrications, reprocessing, and waste management.

Planned activities:

1. Remembering Hiroshima Nagasaki: discussions and poster presentation
2. Hands on training for school and university students.
3. Remote laboratory-based experiments
4. Quiz during regional workshop, October 2024
5. Innovation day Activity: October 2024

Do you have any challenges or need assistance that you'd like the EC to know about?

The INMM Annual meeting participation if can be allowed online for students from Developing countries to enable their participation in the scientific meeting.

Submitted by:

Faculty Coordinator and President AINST INMM Student Chapter

Elements of the Chapter Activity Policy are numbered

Items 1.1 – 1.4 are required

Items 2.1 – 2.3 are advisable but not required to remain active

1. Maintain at least seven (7) members of the INMM parent organization (student chapters may include the faculty advisor as one of the required seven members).
2. Conduct at least one meeting of the Chapter's officers per year
3. Submit an annual report to INMM HQ for the July EC meeting (which must include financial data for the chapter) for inclusion in the Annual Report to the Membership presented at the INMM Annual Business Meeting. This report should include chapter activities for the full year since the previous annual report and this template must be used.
4. Maintain current contact data for the Chapter on file with INMM HQ. Whenever your main contact for the chapter changes, please complete and submit the online form found HERE - <https://inmm.org/page/chapterreporting> } **This only needs to be done if there is a new main contact for the chapter.**

Advisable Chapter activities:

1. Holding annual elections: to be held shortly after the commencement of the session.
2. Conducting at least one professional meeting/activity for Chapter members per year
3. Submitting Chapter status reports to INMM HQ before the November and March EC meeting (this template may be used)

**Treasurer's Report – the elements in this table must be included with your Annual Report submitted for the July EC meeting**

| <b>FY2024 FINAL</b>                                                             |            |          |                         |
|---------------------------------------------------------------------------------|------------|----------|-------------------------|
| <b>INMM AMITY STUDENT CHAPTER Financial Statement – 10/01/2023 – 06/30/2024</b> |            |          |                         |
|                                                                                 | Income     | Expenses | Notes                   |
| <b>Chapter Balance: 10/01/2023</b>                                              | <b>400</b> |          |                         |
| <b>Income:</b>                                                                  |            |          |                         |
| INMM GRANT                                                                      | 400        |          |                         |
| NPP trip                                                                        | 220        |          | Amity University Funded |
| SPONSORSHIP FOR YOUTH FESTIVAL ACTIVITY                                         | 180        |          | Hands on Training       |
| <b>Income Total:</b>                                                            | <b>800</b> |          |                         |
| <b>Expenses:</b>                                                                |            |          |                         |
| Membership                                                                      | 60         | 60       | INMM HQRTS              |
| Activity: prize and organizing                                                  | 180        | 180      | Industry sponsored      |
| Trip to NPP                                                                     | 220        | 220      | University Sponsored    |
| Hands on training activities                                                    |            | 110      | INMM Funds              |
| Guest lectures: industry experts                                                |            | 150      | INMM funds              |
| <b>Expenses Total:</b>                                                          | <b>800</b> |          |                         |
| <b>Chapter Balance: 06/30/2024</b>                                              | <b>00</b>  |          |                         |

Youth Festival Activity

**Amity Institute of Nuclear Science & Technology**

### **INMM Student Chapter Activity**

**Event Title:** Curie-Osity : Radioactive Source search activity and quiz on nuclear physics and radiation detection.

**Duration:** 11.15am -5pm

**Date of the Event:** 29<sup>th</sup> February 2024

**Introduction to the event:** The event is about locating the identity and location of a hidden radioactive source in the room. Handheld radiation detectors were used to search for them. To enable the handling of equipment first-hand was provided and the activity was conducted. The event concluded with a quiz on radiation physics.

**Key Aspects of the event:**

**Outcome of the event:** awareness about the various radiation detectors, insights into the peaceful applications of nuclear technology, hands on with various radiation detectors, awareness, and knowledge enhancement in area of nuclear and allied technology, developing teams' spirit and management.

**List of registered participants attended the event on the day of event:**

| Sr. No. | Name of Participant      | Name of college                        |
|---------|--------------------------|----------------------------------------|
| 1.      | Manik Agrawal            | Delhi university                       |
| 2.      | Varun Pandey             | Delhi university                       |
| 3.      | Manas Rituparno          | Delhi university                       |
| 4.      | Shailendra Singh Chauhan | Delhi university                       |
| 5.      | Anjali Sharma            | Delhi university                       |
| 6.      | Shubhra Sankar Datta     | Delhi university                       |
| 7.      | Durgesh Bhatt            | Delhi university                       |
| 8.      | Hardik Gupta             | Delhi university                       |
| 9.      | Navin Kumar              | Orbitex India Aerospace, Jaipur        |
| 10.     | Anshi Aggarwal           | Hindu College                          |
| 11.     | Kritika Pargain          | Hansraj College                        |
| 12.     | Rahul                    | Kirori mal College                     |
| 13.     | Naresh Kumawat           | Department of Physics and Astrophysics |

## Winner List

| Sr. No. | Name of Participant | Position     |
|---------|---------------------|--------------|
| 1       | Anjali Sharma       | Team 2 (won) |
|         | Subra Sankar Dutta  |              |
|         | Durgesh Bhatt       |              |
|         | Hardik Gupta        |              |

**Significance of the event: Provided fundamentals about radiation, radioactivity, and its detection mechanism. Further various hand-held detectors were used to take up the source search activity. Awareness was created about the AINST facility created.**

## Glimpses of the event:



*Figure 1 Welcome address by Director and Head AINST*



*Figure 2 Guidelines of the event by Student Coordinator*



*Figure 3 Address by Advisor AINST*



Figure 4 Students developing strategy for Source search in the room.



Figure 5 Detecting and confirming the source identity



Figure 6 Participants celebrating the confirmation of one source location and searching for others.



Figure 7 Vote of thanks and concluding discussions

## Debate

Amity INMM student chapter presents debate:

### **Is nationalism a crucial factor for the future 24th August 2023**

Debate was organized by AINST students on the theme of Is nationalism a crucial factor for the future, on the 24th of August 2023.

All the AINST students participated in the discussion including the research scholars. Different ways of portraying Nationalism were discussed and debated. Each team had their own references and they tried to defend their ways better.

Students presented their views in Favor and against the topic. Both parties negotiated well and tried to put their facts across the table. Healthy discussions took place and in the end each one could appreciate the other person's point of view.



## Hands on Training for School Students

### **Hands on training program for School students, 5<sup>th</sup> December 2023.**

A hands-on training activity was organized for school children at Amity Institute of Nuclear Science and Technology Amity University Uttar Pradesh Noida campus on the 5th of December from 9:30 AM onwards until 1:30 PM. Students from 4 Amity schools joined for the activity along with their teachers. There were in total 20 students who joined for the hands-on training and faculty members.



Sources hidden in a room and in different parts of the room were to be identified by the students. AINST

students coordinated with each team in guiding them how to use the RIIDs and assess the



signatures of the sources.

**Hands on training program for School students, 28<sup>th</sup> August 2023.**

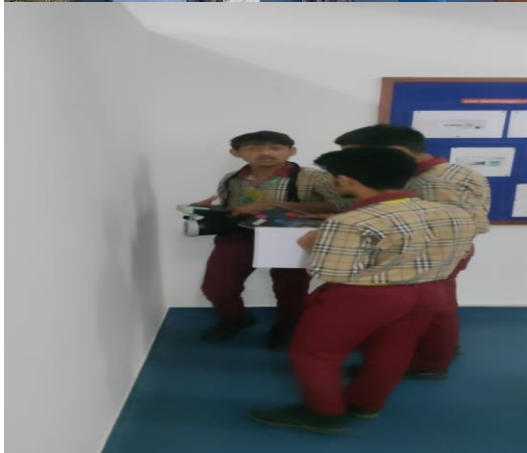


A hands-on training activity was organized for school children at Amity Institute of Nuclear Science and Technology Amity University Uttar Pradesh Noida campus on the 28<sup>th</sup> of August 2023 11am onwards 5 PM. Students from DPS Bandipora joined for the activity along with their teachers. There were in total 7 students who joined for the hands-on training and faculty members. Sources hidden in a room and in different parts of the room were to be identified by the students.

AINST students coordinated with each team in guiding them how to use the RIIDs and assess the



signatures of the sources.





INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
*Jordan university of science and technology (JUST) CHAPTER*  
{1 – March- 2024} – {1-July- 2024}

The Jordan university of science and technology (JUST) Executive Committee members are the following:

| Office                   |                          | Term Ending       |
|--------------------------|--------------------------|-------------------|
| President                | Safwan Alrawashdeh       | September/30/2024 |
| Vice President           | Obaidah Aloqaily         | September/30/2024 |
| Secretary                | Areej AlNatour           | September/30/2024 |
| Treasurer                | Salahaddin Alhabaibeh    | September/30/2024 |
| Member-at-Large          | Aseel Qasim              | September/30/2024 |
| Member-at-Large          | Noor Odeh                | September/30/2024 |
| Member-at-Large          | Senan AlQudah            | September/30/2024 |
| Member-at-Large          | -                        |                   |
| Immediate Past President | Ghazal Ali AlNaddaf      | September/30/2023 |
| Advisor*                 | Prof. Salaheddin Malkawi |                   |

- Current Members:
  1. Safwan Alrawashdeh.
  2. Obaidah Aloqaily.
  3. Areej AlNatour.
  4. Salahaddin Alhabaibeh.
  5. Aseel Qasim.
  6. Noor Odeh.
  7. Senan AlQudah.
- Date of last officers meeting:

Usually, we do 1 meeting per week, the last one was on May 24, 2024.
- For which EC Meeting was your last report submitted:

Our last submission was for March/2024.
- Activities during this chapter:
  1. **Event 1:**

Date: November 9<sup>th</sup>, 2023.  
Place: Amman, Jordan.  
Event: We have participated in event held by Arab Institute for Security Studies in Amman, where it discussed the regional efforts to make middle east nuclear weapons free zone.



*Figure 1: Picture of some INMM members in Arab Institute for security studies forum.*

## 2. **Event 2:**

Date: December 27<sup>th</sup>, 2023.

Place: Irbid, Jordan.

Event: We have participated in event held by Jordan Atomic Energy Commission (JAEC) in Jordan University of Science and Technology (JUST). We have introduced INMM chapter and who we are.

3. We have started to work on a research paper, and already submitted the abstract.

## 4. **Event 3:**

Date: May 19<sup>th</sup>, 2024.

Place: Irbid, Jordan.

Event: An educational visit was organized for undergraduate students in their first, second, and third years to the Jordan Research and Training Reactor (JRTR). The tour encompassed all primary facilities within the reactor complex, including exposure to safety and security protocols.



*Figure 2: A picture for the students who went to the JRTR.*

#### **5. Event 4:**

Date: May 29<sup>th</sup>, 2024.

Place: Amman, Jordan.

Event: A visit to the Jordan Atomic Energy Commission (JAEC) laboratories was facilitated for students enrolled in the nuclear engineering program. The visit included tours of various laboratories, providing participants with an opportunity to observe the work environment and practices of nuclear engineers. Additionally, the visit emphasized the importance of safety and security protocols within the nuclear field.



*Figure 3: The group of students who visited the JAEC.*

**6. Event 5:**

Date: May30, 2024

Place: Irbid, Jordan.

Event: A film screening event focused on the Chernobyl nuclear disaster was organized for nuclear engineering (NE) students at the university. The film explored the causative factors and long-term consequences of this historical accident.

**Submitted by:**

Respectfully Submitted:

President of JUST chapter: Safwan Alrawashdeh

JUST INMM chapter 2023.

**Oversight (OS) Chair\*:** Grace Thompson

## Treasurer's Report

| FY2024 FINAL                                                                                                |              |          |                                                          |
|-------------------------------------------------------------------------------------------------------------|--------------|----------|----------------------------------------------------------|
| Jordan university of science and technology (JUST) chapter Financial Statement –<br>10/01/2023 – 09/30/2024 |              |          |                                                          |
|                                                                                                             | Income       | Expenses | Notes                                                    |
| <b>Chapter Balance: 10/01/2023</b>                                                                          |              |          |                                                          |
| <b>Income:</b>                                                                                              |              |          |                                                          |
|                                                                                                             | <b>315\$</b> |          | From previous chapter (chapter 2023)                     |
|                                                                                                             | <b>335\$</b> |          | Current Chapter                                          |
| <i>Income Total:</i>                                                                                        | <b>650\$</b> |          |                                                          |
| <b>Expenses:</b>                                                                                            |              |          |                                                          |
|                                                                                                             | <b>0\$</b>   |          |                                                          |
| <i>Expenses Total:</i>                                                                                      | <b>0\$</b>   |          | <i>All transportation expenses were covered by JUST.</i> |
| <b>Chapter Balance: 09/30/2024</b>                                                                          | <b>650\$</b> |          |                                                          |

**Request:** The INMM JUST chapter Chapter respectfully requests continued financial support for the upcoming year. This budget will enable the chapter to continue its mission of promoting best practices and creating a strong nuclear materials management community.

Thank you for your consideration.

INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
Korea Advanced Institute of Science and Technology (KAIST) CHAPTER  
2024.07.10

The KAIST Executive Committee members are the following:

| Office          |                       | Term Ending |
|-----------------|-----------------------|-------------|
| *President      | Andhika Yudha Prawira | *2024/08    |
| Vice President  | Junho Kwon            |             |
| Secretary       | Deukhyun Jo           |             |
| Member-at-Large | Taeryoun Kim          |             |
| Member-at-Large | YeongJun Kim          |             |
| Member-at-Large | Songye Kim            |             |
| Member-at-Large | Ilgeun Song           |             |
| Advisor         | Man-Sung Yim          |             |

**\*Faculty Advisor: Man-Sung Yim**

**\*Number of Current INMM members: 8**

**\*Date of Last Officer Meeting – required one time per year: June 16<sup>th</sup>. 2024**

## Introduction

In this year (August 2023 – July 2024), we added one more member to our student chapter, bringing the total to seven members. The focus of our chapter this year is to improve in-chapter activities, increase the number of members, and participate in the INMM Annual Meeting. We are working to hold more events and participate in INMM workshops and webinars in 2024. Additionally, we successfully collaborated with another INMM student chapter to host a workshop this year.

## Activities

1. KAIST INMM – Texas A&M University’s International Nuclear Facilities Experience Workshop and Exchanges
  - ✓ *Date: May 1<sup>st</sup>, 2024*
  - ✓ *Place: Department of Nuclear and Quantum Engineering, KAIST, Republic of Korea*
  - ✓ The KAIST INMM Student Chapter hosted a workshop and exchanges for participants of the International Nuclear Facilities Experience (INFE) at KAIST, Daejeon, South Korea. There were six presentations in total, three from KAIST students and three from INFE participants, focusing on nuclear security and safeguards. The INFE delegation was led by Dr. Claudio Gariazzo.
2. Nuclear 3S (Safety, Security, Safeguards) Certificate Ceremony
  - ✓ *Date: January 2024*
  - ✓ *Place: Department of Nuclear and Quantum Engineering, KAIST, Republic of Korea*

INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
Korea Advanced Institute of Science and Technology (KAIST) CHAPTER  
2024.07.10

- ✓ KAIST INMM Student Chapter Member successfully completed the Nuclear 3S Curriculum Certificate. The certificate was given by the Nuclear Nonproliferation Education and Research Center (NEREC) sponsored by National Research Foundation of Korea. The ceremony was held in January.
- 3. 2024 KAIST INMM Members Graduation Ceremony
  - ✓ *Date: February 16, 2024*
  - ✓ *Place: KAIST, Republic of Korea*
  - ✓ *The KAIST INMM Student chapter congratulated its members who successfully graduated from the KAIST nuclear and quantum engineering graduate program.*
- 4. [KAIST NEREC-STP Seminar] The Global Distribution of Nuclear Morals
  - ✓ *Date: February 21, 2023, 14:30 – 16:00 KST*
  - ✓ *Place: Daejeon, South Korea*
  - ✓ *KAIST INMM helped to conduct a guest lecture with Dr. Lauren Sukin (Assistant Professor of International Relations at the London School of Economics and Political Science).*
- 5. 2023 KINAC-NEREC Conference on Nuclear Nonproliferation
  - ✓ *Date: August 1 – August 2, 2023*
  - ✓ *Place: Grand Ballroom (2F), Ambassador Seoul Pullman Hotel, Seoul, Republic of Korea*
  - ✓ *KAIST NEREC (KAIST Nuclear Nonproliferation Education and Research Center, Director Man-Sung Yim) in collaboration with KINAC (Korea Institute of Nuclear Nonproliferation and Control) of Korea, is holding the 10th International Conference on Nuclear Nonproliferation on August 1 and 2 of this year. The conference will be held as an online and offline hybrid event. You can access the recording of the conference through this link:  
<https://www.youtube.com/@kaistnerec3688>*
- 6. 2023 NEREC Online Lecture on Nuclear Policy and Diplomacy
  - ✓ *Date: October 12, 2023, 15:00~16:30 (KST)*
  - ✓ *Place: Virtual Meeting*
  - ✓ *KAIST INMM Student chapter members are participating at NEREC Online Lecture on nuclear policy and diplomacy.*
- 7. Special Alumni Seminar on Level 3 PSA
  - ✓ *Date: October 4, 2023, 16:30 – 18:00 KST*
  - ✓ *Place: Daejeon, South Korea*
  - ✓ *KAIST INMM help conducting a special alumni seminar with Dr. Sung-Yeop Kim. The topic of this seminar is level 3 PSA.*

INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
Korea Advanced Institute of Science and Technology (KAIST) CHAPTER  
2024.07.10

{CURRENT CHAPTER'S BANK BALANCE}

**FY2024**

INMM KAIST Student Chapter **Financial Statement** – 08/23/2023 – 07/10/2024

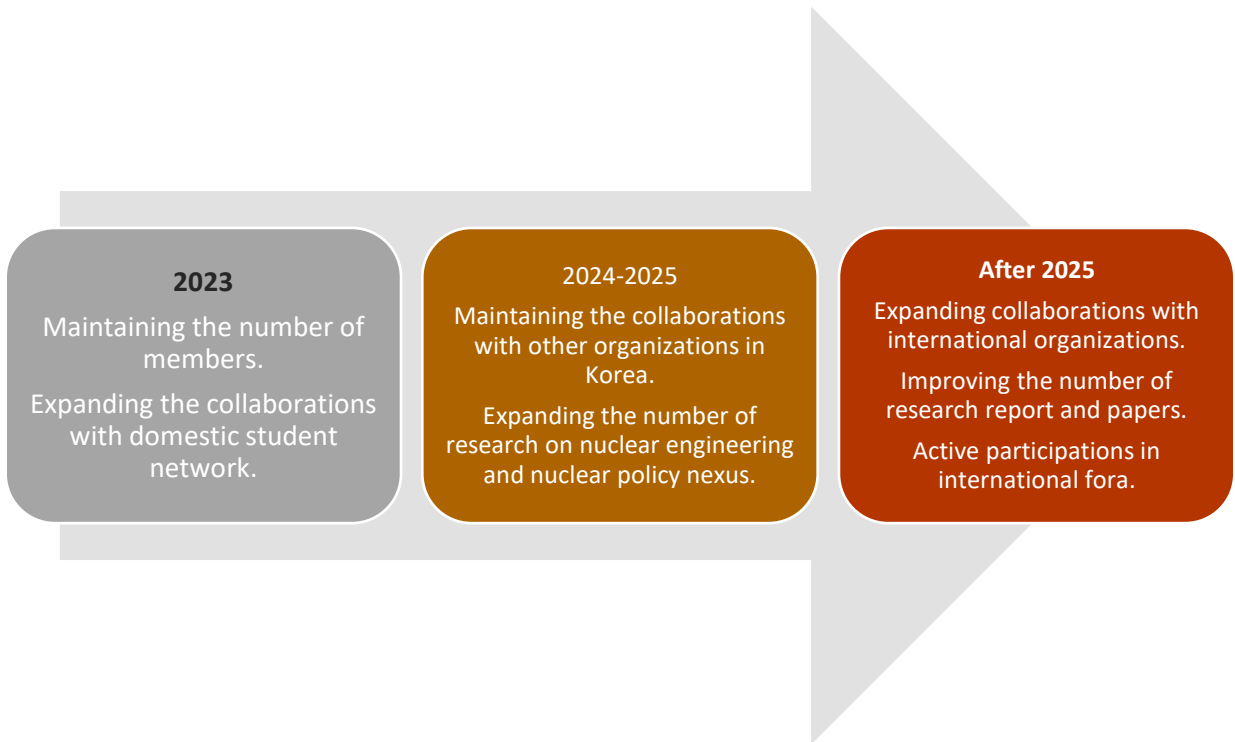
|                                    | Income        | Expenses | Notes            |
|------------------------------------|---------------|----------|------------------|
| <b>Chapter Balance: 10/23/2023</b> |               |          |                  |
| <b>Income:</b>                     | <b>\$170</b>  |          | Previous balance |
| <i>Income Total:</i>               | \$170         |          |                  |
| <b>Expenses:</b>                   | <b>\$20</b>   |          | Meeting expense  |
| <i>Expenses Total:</i>             | \$150         |          |                  |
|                                    | <b>\$150≈</b> |          |                  |
| <b>Chapter Balance: 07/10/2024</b> | KRW 200,000   |          |                  |

{Conclusion}

During this year period (August 2023 – July 2024), the KAIST INMM student chapter actively participated in the Nuclear Nonproliferation Education and Research Center (NEREC) KAIST activities and hosted several meetings and workshops. The KAIST INMM student chapter members have participated and presented their works at academic conference and workshops. Several members also preparing to participate in a summer fellowship programs hosted by NEREC KAIST. In the upcoming year, we wish to maintain the number of KAIST INMM Student chapter members and collaborate with other INMM chapters. KAIST INMM Student Chapter is also looking forward to accommodating and collaborating with other INMM members from South Korea.

{Future Student Chapter Activities}

INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
Korea Advanced Institute of Science and Technology (KAIST) CHAPTER  
2024.07.10



Respectfully Submitted:  
Andhika Yudha Prawira  
andhika@kaist.ac.kr

INSTITUTE OF NUCLEAR MATERIAL MANAGEMENT  
Middlebury Institute of International Studies Monterey Chapter (MIIS-INMM)  
Student Chapter Report (July 2024)

Middlebury Institute of International Studies Monterey Chapter (MIIS-INMM)

Executive Committee members are the following:

| Office          |                    | Term Ending   |
|-----------------|--------------------|---------------|
| President       | Shahneela Tariq    | December 2024 |
| Vice President  | Jess Martin        | May 2025      |
| Secretary       | Maxwell Patterson  | May 2025      |
| Treasurer       | Brooke Bombien     | May 2025      |
| Member-at-Large | Alexandra Zubenko  | December 2024 |
| Member-at-Large | Emma Scherer       | May 2025      |
| Advisor*        | Prof. George Moore | NA            |

**\*For Student Chapters, please add advisor:**

\* Current Members:

We have eight dues-paying members in our chapter out of 24.

\* Date of last officers meeting:

April 2024

For which EC Meeting was your last report submitted:

We have revived the MIIS – INMM student Chapter at the Middlebury Institute of International Studies and therefore, all the members and leadership team have been newly recruited. This is our first report after starting this student chapter again in March 2024.

Activities since your last report.

- MIIS – INMM Student Chapter member’s introductory meeting in March 2024.
- MIIS – INMM Student Chapter Executive team’s meeting in April 2024.

Planned activities:

- An in-person lecture with Prof. Siegfried S. Hecker in September 2024.
- In-house webinars at the James Martin Center for Nonproliferation Studies from October to December 2024.
- Online session with Rose Gottemoeller in October 2024 (proposed)
- MIIS – INMM Student Chapter Blog (planning to launch it in September 2024, with the start of the Fall Semester)

Do you have any challenges or need assistance that you’d like the EC to know about?

One of the incentives for students to join the INMM club was the visit to Lawrence Livermore lab and meet experts there but we were not able to arrange it during the Spring semester, despite writing several emails to the Lawrence Livermore contact person. We will need help in organizing a visit during the Fall Semester of 2024.

Submitted by:

**Shahneela Tariq**, President, MIIS – INMM Student Chapter

Oversight (OS) Chair\*: Grace Thompson

\* Items marked with an asterisk are required by the Chapter Activity Policy.

**Treasurer’s Report – the elements in this table must be included with your Annual Report submitted for the July EC meeting**

**FY2024 FINAL**

**{MIIS\_INNM} Financial Statement – 10/01/2023 – 09/30/2024**

Income                      Expenses                      Notes

**Chapter Balance: 10/01/2023**

**Income: \$73.08**

*Income Total: \$73.08*

**Expenses: \$73.08**

*Expenses Total: \$73.08*



**Chapter Balance: 09/30/2024 - \$0**

**MIIS-INMM 2024 Expenses**

| Cost Incurred | Time       | Reason       | Refund  |
|---------------|------------|--------------|---------|
| \$73.08       | 03/26/2024 | Club Meeting | \$73.08 |

---

INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
OREGON STATE UNIVERSITY STUDENT CHAPTER  
JULY 2024

The Oregon State University Executive Committee members are the following:

| Office                   |                | Term Ending |
|--------------------------|----------------|-------------|
| President                | Annie Givens   | June 2025   |
| Vice President           | Morgan Sylvia  | June 2025   |
| Secretary                | Tor Maldonado  | June 2025   |
| Treasurer                | Jack Lewis     | June 2025   |
| Immediate Past President | Nathan Luu     | June 2024   |
| Advisor                  | Camille Palmer |             |

Current Members: 8

Date of last officers meeting: June 7, 2024

For which EC Meeting was your last report submitted: March

Activities since your last report.

The Oregon State University Student Chapter has facilitated several activities since the last report. We have hosted several seminars, including a presentation on spent nuclear fuel management by Dr. Harish Gadey (Idaho National Laboratory) and a discussion of ongoing research and cleanup efforts in Fukushima with Dr. Thomas Johnson (Colorado State University). The chapter also held a showing of “Oppenheimer” just before finals week and helped to coordinate a NuScale tour. Four executive meetings were held between March and July, including a meeting between the executive committee and Jake Benz, the President of the Pacific Northwest Chapter, on May 2<sup>nd</sup> to discuss overarching goals as well as resource sharing and networking opportunities.



Planned activities:

The chapter has six accepted presentations for the upcoming annual meeting in July (Portland, OR). The executive committee is in the process of planning additional seminars and interactive activities for the upcoming school year.

Submitted by:

Annie Givens, President

Oversight (OS) Chair: Grace Thompson

## Treasurer's Report

| FY2024 MID-YEAR                                                       |        |          |                |
|-----------------------------------------------------------------------|--------|----------|----------------|
| Oregon State University Financial Statement – 10/01/2023 – 06/30/2024 |        |          |                |
|                                                                       | Income | Expenses | Notes          |
|                                                                       |        |          |                |
| <b>Chapter Balance:</b> 3,000                                         |        |          |                |
|                                                                       |        |          |                |
| <b>Income:</b>                                                        | 0.00   |          |                |
|                                                                       |        |          |                |
|                                                                       |        |          |                |
| <i>Income Total:</i>                                                  | 0.00   |          |                |
|                                                                       |        |          |                |
|                                                                       |        |          |                |
| <b>Expenses:</b>                                                      |        |          |                |
| <i>Oppenheimer Showing</i>                                            |        | 340.00   | Food and drink |
| Seminar                                                               |        | 11.97    | Cookies        |
|                                                                       |        |          |                |
|                                                                       |        |          |                |
| <i>Expenses Total:</i>                                                |        | 351.97   |                |
|                                                                       |        |          |                |
|                                                                       |        |          |                |
| <b>Chapter Balance:</b> 2,648.03                                      |        |          |                |

INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
THE PENNSYLVANIA STATE UNIVERSITY STUDENT CHAPTER  
July 2024

The Pennsylvania State University (PSU) Student Chapter Executive Committee members are the following:

| Office                    | Name                   | Term Ending |
|---------------------------|------------------------|-------------|
| *President                | Benjamin Aronson       | May 2025    |
| Vice President            | Tristian Schmidt       | “”          |
| Secretary                 | Brandon Castillo       | “”          |
| Treasurer                 | Katheren Bosson Nantes | “”          |
| Event Planner             | Caroline Ishak         | “”          |
| Web Manager               | Alex Nellis            | “”          |
| Networking Chair          | Jonathan Balog         | “”          |
| Social Chair              | Sean Bistany           | “”          |
| Alumni Liaison            | Aamer Bashir           | “”          |
| Immediate Past President  | Aaron Fjeldsted        | N/A         |
| * Student Chapter Advisor | Prof. Matthew Zerphy   |             |

**Number of Current INMM members: 21 (Including our Advisor)**

**Date of Last Officer Meeting: July 10, 2024**

**Summary of Activities:**

May 24, 2024: Participated in bonfire social with several graduate student organizations at Penn State to help students network with other students across campus.

April 26, 2024: General body meeting and elections. The new officers board was elected as Benjamin Aronson for new President, Tristian Schmidt new Vice-President, Brandon Castillo new Secretary, Katheren Nantes new Treasurer, Caroline Ishak new Even Planner, Alex Nellis for Web Manager, Jonathan Balog for Networking Chair, Sean Bistany for Social Chair and Aamer Bashir for Alumni Liaison. The new executive board shows a good diversity in having students from different majors, degree level and gender. Also had our end of semester/academic year potluck.

April 11, 2024: General body meeting. Past President Aaron Fjeldsted shared some of the insights he’s gained from his 4 years of involvement in INMM. He was joined by other officers/members and our faculty advisor in discussing what INMM has offered them.

April 5, 2024: Nuclear Security and Nonproliferation: From Ukraine to Beyond Panel. Past President Aaron Fjeldsted served as the moderator for a nuclear security centered panel at the 2024 ANS Student Conference at Penn State University. This panel included our faculty advisor, the INMM President and Senior Nonproliferation Advisor at Idaho National Laboratory Mark Schanfein, Penn State Professor Rosanne McManus, and Valeriia Hesse from the Odesa Centre for Nonproliferation. This panel was attended by ~50 people and was open to Professor McManus’ students.

March 28, 2024: General body meeting – Presentation by Dr. Brian Boyer. Dr. Boyer, a Penn State alumni and retired IAEA safeguards analyst in Vienna, AT, gave a presentation titled “IAEA Safeguards – Historical

INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
THE PENNSYLVANIA STATE UNIVERSITY STUDENT CHAPTER  
July 2024

Primer from the Viewpoint of a Safeguards Inspector and Safeguard Analyst”. This presentation was very informative and gave everyone a great background on what it is like to work at the IAEA. Dr. Boyer also answered questions from the students/attendees.

March 26, 2024: Presentation Practice Sessions – ANS Student Conference. The INMM chapter provided significant support as volunteers for the ANS Student Conference at Penn State. In addition, the organization (via Andre Soares) also provided practice presentation sessions for all Penn State students presenting at the conference. Students who did attend this session received better presentation scores than their peers, with one winning a best presentation award at the conference!

March 14, 2024: Pi Day Pie Making/Tasting Joint Event with PSU American Nuclear Society. In a joint event with PSU ANS, INMM members made and tasted/judged pies as part of a Pi Day celebration. Students also brought board and card games to play as well as socialize over.

February 8, 2024: General body meeting. Student presentations from INMM members were given talking about various topics of interest to INMM members. Andre Soares discussed the Brazilian-Argentine Agency for Accounting and Control of Nuclear Materials (ABACC), showing a YouTube video that explored the agency and its work.

January 11, 2024: General body meeting. We started the new semester with a spring kick-off meeting.

December 7, 2023: General body meeting and end of semester potluck. Final meeting of the fall semester. We hosted a joint social with PSU ANS and WIN where students brought dishes they made at home.

November 9, 2023: General body meeting with special presentation. For this meeting, the chapter hosted Dr. Edward Cazalas (via Zoom) from the University of Utah to discuss his work on radiation detection. He is a PSU INMM alumni and gave two incredible presentations on his work as well as its applications.

November 3, 2023: Special event/activity. Two INMM Members attended a Field Training Exercise with the United States Military Academy Cadets. The exercise focused on several radiological search scenarios. The opportunity was performed with the DTRA-IIRM University Research Alliance.

October 26, 2023: General body meeting. Members gave 4 presentations on “things you didn’t know about nuclear engineering that you should”, which were all very insightful and interesting.

October 10, 2023: General body meeting. The chapter held a game night, with members bringing various board and card games. The video boards in the meeting room were also used for games.

September 28, 2023: General body meeting/special presentation. Our faculty advisor (Matt Zerphy) gave an updated presentation on nuclear security in a war zone, with the focus being on the Russian invasion of Ukraine and the occupation of the Zaporizhzhia Nuclear Power Plant. This presentation built off one that Matt gave not long after Russia invaded Ukraine in February 2022.

September 14, 2023: General body meeting. Began the semester/academic year with our first general body meeting. Discussed the meeting schedule and gave an overview for the year.

INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
THE PENNSYLVANIA STATE UNIVERSITY STUDENT CHAPTER  
July 2024

**Chapter's Bank Balance:**

Our current balance is \$11,150.90. This fiscal year our chapter has spent \$118.00 on food for the general body meetings and \$11.02 on a joined social event.

**Planned Activities:**

Our chapter will be taking several initiatives to increase recruitment, as well as improving our engagement with other organizations and student communities. Our next officer board meeting will be taking place on 08/07/2024. Towards the beginning of the fall semester, we plan to organize a BBQ cookout with the other nuclear-focused organizations on campus. Additionally, we are currently planning a chapter visit to Sandia and Los Alamos National Laboratories in the fall semester. We also anticipate planning a once-a-month colloquium/seminar focusing on a specific nuclear security or policy topic to engage experts/other students at Penn State. For the spring semester, we are looking to host a workshop or two focusing on cyber security and/or physical security at nuclear facilities.

Continued Regular Meetings: Aside from the activities mentioned above, we have continued and will continue our regular meetings in person in the new Nuclear Innovation Commons every first and third Thursday of the month. These meetings will cover a broad range of subjects related to nuclear materials management from both a scientific and engineering perspective, as well as from a policy perspective. Activities will include guest speakers, student presentations, game/trivia nights, professional development, social events, and discussion of current events in the field.

Respectfully Submitted:

Benjamin Aronson

PSU INMM Student Chapter President

INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
THE PENNSYLVANIA STATE UNIVERSITY STUDENT CHAPTER  
July 2024

**Treasurer's Report**

**FY2024 CURRENT**

**PSU Student Chapter Financial Statement – 10/01/2023 – 06/30/2024**

**Chapter Balance – 12/31/2023:   \$11,279.92**

|              | <b>Income</b> | <b>Expenses</b> | <b>Notes</b>      |
|--------------|---------------|-----------------|-------------------|
|              |               | \$37.05         | Food for meeting. |
|              |               | \$80.95         | Food for meeting  |
|              |               | \$11.02         | Bonfire social.   |
| <b>Total</b> |               | <b>\$129.02</b> |                   |

**Chapter Balance – 06/28/2024:   \$11,150.90**

INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
TEXAS A&M CHAPTER  
JULY, 2024

The Texas A&M's Executive Committee members are the following:

*Faculty Advisors*

| <b>Position</b>   | <b>Name</b>        | <b>Email</b>         |
|-------------------|--------------------|----------------------|
| Primary Advisor   | Dr. Craig Marianno | marianno@tamu.edu    |
| Secondary Advisor | Kelly Ragusa       | kellyragusa@tamu.edu |

*Incoming Student Chapter Executive Committee (2024-2025):*

| <b>Position</b>                          | <b>Name</b>        | <b>Email</b>              |
|------------------------------------------|--------------------|---------------------------|
| President                                | Christine Mathew   | christine.mathew@tamu.edu |
| Vice-President                           | Grace Long         | grace31415@tamu.edu       |
| Secretary                                | Carlo Dal Colletto | cdalcolletto@tamu.edu     |
| Treasurer                                | Dillon Caldwell    | dillon.caldwell@tamu.edu  |
| Bush School Liaison                      | TBA                | TBA                       |
| Undergraduate Liaison                    | Dylan Frank        | dylan.frank@tamu.edu      |
| Social Affairs and<br>Networking Liaison | Jason Scott        | scotty1931@tamu.edu       |

*Outgoing Student Chapter Executive Committee (2023-2024):*

| <b>Position</b>                          | <b>Name</b>      | <b>Email</b>              |
|------------------------------------------|------------------|---------------------------|
| President                                | Thomas DeGuire   | tdeguire@tamu.edu         |
| Vice-President                           | Grace Long       | grace31415@tamu.edu       |
| Secretary                                | Danielle Freyman | nhpdansou731@tamu.edu     |
| Treasurer                                | Esteban Gonzalez | illego@tamu.edu           |
| Bush School Liaison                      | Harold Barker    | hibark715@tamu.edu        |
| Undergraduate Liaison                    | Dylan Frank      | dylan.frank@tamu.edu      |
| Social Affairs and<br>Networking Liaison | Christine Mathew | christine.mathew@tamu.edu |

## **Summary**

Howdy! Greetings from Aggieland. In the course of the 2023-2024 fiscal year, the INMM Student Chapter at Texas A&M University (TAMU) has hosted a variety of events, including opportunities for virtual and in-person attendance. The chapter ended the year with 20 members. The last officers meeting was held June 4<sup>th</sup> to meet with the newly elected board members and start planning for the start of fall events and workshop information. Elections for the new slate of INMM officers for the 2023-2024 academic year were held in-person on April 23<sup>rd</sup>. The last report was submitted for the March 2024 EC Meeting.

## **Activities**

Bi-Weekly – Every other week during the academic year, the Center for Nuclear Security Science and Policy Initiatives (NSSPI) at Texas A&M hosts a speaker. This speaker may be an external expert in nuclear safeguards and security or an internal student preparing to present their thesis or dissertation. These bi-weekly events were open to all INMM members to provide them with the opportunity to hear about the latest research and development in nuclear material safeguards.

Social Events – Approximately once a month, INMM TAMU hosted social events for members to facilitate community interaction. These events included on-campus activities such as ice cream socials and board game nights as well as off-campus activities such as events at local coffeehouses.

MCNP Help Sessions and Tutoring – Every Wednesday, INMM offered academic tutoring and MCNP advice free to chapter members. INMM officers served during these events with Thomas DeGuire, Grace Long, and Justin Williams providing the MCNP expertise.

August 17th, 2023 - INMM Howdy Week Ice Cream Social to encourage nuclear engineering and INMM with interested freshmen engineering students in particular.

August 30th, 2023 - Four Families Ice Cream Social with other nuclear engineering organizations: Women in Nuclear (WIN), American Nuclear Society (ANS), and Health Physics Society (HPS).

September 26th, 2023 - The INMM student chapter hosted a virtual informational for the NNSA Graduate Fellowship Program (NGFP) with August Farek and supervisor.

October 13th, 2023 - Dr. Hecker presented his experience as former LANL lab director.

October 23rd, 2024 - NJ Talk with open Q&A session on LANL internship to professional and leadership experiences over career.

February 1st, 2024 - Board Game Night and INMM Informational for the spring semester.

March 2nd, 2024 - Coffee Social on nonproliferation topics.

April 5th, 2024 - First Friday social event at Bryan with dinner.

April 23rd, 2024 - The INMM student chapter elected new officers for the next academic year. These elections were conducted in a hybrid fashion, with some members electing to attend and vote over Zoom.

### **Future Plans and Activities:**

- 1) **INMM Workshop(s)** – Student members will work with the INMM national organization to organize workshops for student members and professionals alike to discuss topics of interest relevant to INMM’s mission. Specifically, INMM intends to host an MCNP workshop.
- 2) **Lab Tours** – Student members will have the opportunity to tour a lab within the Nuclear Engineering department at TAMU. It will mainly be targeted at younger members within the chapter who have not had previous experience with nuclear technology, such as detectors.
- 3) **Meetings with Professionals** – Throughout the year, the Student Chapter will aim to invite various professionals from the nuclear security and safeguards industry to speak at chapter meetings. The goal is for the professionals to share their work and life experiences with student members.
- 4) **Outreach and Collaboration** – One of the major goals for the Student Chapter is to increase outreach efforts and increase collaboration with our fellow nuclear organization at A&M. The Student Chapter will strive to educate the public and the youth about the benefits of nuclear technology.
- 5) **National Membership** – Another major goal of the Student Chapter is to promote the national INMM membership and increase the number of national members in the Student Chapter.

We look forward to having another productive year and hope that any volunteers interested in developing a workshop will contact a TAMU INMM representative.

Oversight (OS) Chair\*: Grace Thompson

Submitted by:

Christine Mathew

President, Texas A&M INMM Student Chapter

**Treasurer's Report (*Excel Spreadsheet or Word Table*) – the elements in this table must be included with your Annual Report submitted for the July EC meeting**

**Texas A&M University Financial Statement – 07/01/2023 – 06/30/2024**

Income Expenses Notes

**Chapter Balance: 07/01/2022 \$2,044.19**

**Income:**

| Date          | Amount [\$] | Description |
|---------------|-------------|-------------|
| 09/14/23      | 400         | TAMF INMM   |
| 09/21/23      | 80          | Dues        |
| 10/05/23      | 290         | Merchandise |
| 10/21/23      | 20          | Dues        |
| 10/24/23      | 20          | Dues        |
| 11/17/23      | 160         | Other Sales |
| Total income: |             | 970         |

**Expenses:**

| Date       | Amount [\$] | Description                   |
|------------|-------------|-------------------------------|
| 08/29/2023 | 62.83       | Howdy Week Social             |
| 09/12/2023 | 15.00       | Four Families Social          |
| 10/17/23   | 30.61       | Food Reimbursement for Social |
| 10/18/23   | 2.40        | Sept 23 Marketplace           |
| 11/01/23   | 134.58      | Food Reimbursement for Social |
| 11/14/23   | 1.20        | Oct 23 Marketplace            |
| 12/01/23   | 58.27       | Ice Cream Social              |
| 05/15/2024 | 96.41       | First Friday Social           |

|                 |        |
|-----------------|--------|
| Total expenses: | 401.30 |
|-----------------|--------|

**Chapter Balance: 06/30/2023 \$2,482.54**

This section is for those reporting activities related to the **Chapter Incentive Program**. If you are not participating in the program, please delete this sentence and the pages below.

**JNMM** – The INMM will provide each professional or student chapter (i) a 100USD incentive award for every accepted submission that is published in the JNMM. **Please list the title of the article and the issue number in which it was published below:**

---

**Sustaining Members** – The INMM will provide any professional or student chapter with an incentive award for each new sustaining member that joins INMM (the new sustaining member should specify which chapter assisted them). The award does not include membership renewals or sustaining members that have been sustaining members during the past 3 years. The incentive award will be tiered with the level of sustaining membership provided (20% of the cost of sustaining membership). **Please list the name of the company and their level of sustaining membership below:**

---

**Exhibits and Sponsorships for INMM Events** – The INMM will provide any professional or student chapters with (i) a 200USD incentive award for each sponsorship from exhibitors, sponsors, etc. obtained for the INMM Annual meeting, workshops, or other sponsored events. These sponsorships must be considered “new”, i.e., cannot have provided support to INMM during the prior 3 years. In addition, INMM will offer (ii) a 500USD incentive award to the professional or student chapter that obtains the highest monetary amount of sponsorships from exhibitors, sponsors, etc. for the INMM Annual meeting, workshops, or other sponsored events. These sponsorships must be considered “new”, i.e., cannot have provided support to INMM during the prior 3 years. **Please list the name and date of the event, the name of the sponsor and their sponsorship amount below:**

---

**Memberships – Student Chapters** – The INMM will award student chapters with (i) a 50USD incentive award for each student member from their chapter who becomes a regular member of INMM . Furthermore, the INMM will provide (ii) a 250USD incentive award to the INMM student chapter that has the largest percent increase in their current student membership. **(i) INMM HQ will provide a list of those who were members of your student chapter that have transitioned to regular members on or around June 1 yearly for inclusion in your July Annual Report. Please list those names below:**

---

(ii) Please list your total number of chapter members on July 1 of last year, June 30 of this year, and the percent increase below:

July 1st 2023: 19

June 1st 2024: 20

Percent Increase: 5.2632%

---

**Memberships – Professional Chapters** – The INMM will award professional chapters (i) a 200USD incentive for every 5 new members they obtain as new regular dues-paying members of INMM. The new member must not have been a member of INMM over the past 3 years. The INMM will provide (ii) a 500USD incentive award to the professional chapter that obtains the largest number of new regular memberships during each incentive period. (i) Please list the names of five new members below:

---

(ii) Please list your total number of chapter members on July 1 of last year, June 30 of this year, and the percent increase below:

---

INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
UNIVERSITAS GADJAH MADA CHAPTER  
APRIL – JULY 2024

The Universitas Gadjah Mada Student Chapter Executive Committee members are the following:

| Office          | Name                                      | Term Ending   |
|-----------------|-------------------------------------------|---------------|
| President       | Fikri Riyadi Ulhaq                        | February 2024 |
| Member-at-Large | Rafi Athillah Yasin                       | February 2024 |
| Member-at-Large | Siwi Agusdina HP                          | February 2024 |
| Member-at-Large | Marchelino Chrisrichy<br>Cosmo Hutama     | February 2024 |
| Member-at-Large | Ursula Krisna<br>Utaminingtyas Setyo Asih | February 2024 |
| Member-at-Large | Hanif Riadi                               | February 2024 |
| Member-at-Large | Nahla                                     | February 2024 |
| Member-at-Large | Aditya Firdaus                            | February 2024 |
| Member-at-Large | Daffa Baihaqi Shaquille                   | February 2024 |
| Member-at-Large | Gabylla Ivanka                            | February 2024 |
| Advisor*        | Susetyo Hario Putero                      | February 2024 |

**Student Chapters : Susetyo Hario Putero**

**\* Number of Current INMM Members : 11 Membership**

**\* Date of Last Officer Meeting : 31/07/2023**

### **Introduction**

The opening for open recruitment was held on May 8-10. The registration was held offline at the SGLC Building, Faculty of Engineering, Gadjah Mada University. Registration for INMM UGM SC members is intended for the undergraduated level. As for some of our goals in developing

INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
UNIVERSITAS GADJAH MADA CHAPTER  
APRIL – JULY 2024

INMM UGM SC in this period, namely increasing registered members at INMM HQ and various other work programs planned from the beginning to the end of the period at INMM UGM SC.

### Activities

#### 1. First Meeting of INMM UGM SC Member and Committee

- Date : March 11, 2023
- Place : Zoom Meeting
- Description :

As for the first meeting, they met with members who had registered in the previous period and discussed what would be done for the next 1 period both from work programs related internally from INMM UGM SC and externally from the organization.



#### 2. Second Meeting of INMM UGM SC Committee

- Date : March 20, 2023
- Place : Seven Stone Café, Yogyakarta
- Description :

As for the second meeting, it discussed the preparation of the structuring of the organization from the creation of the divisions to be formed, including the ERD, External, Human Resources, Entrepreneurship, and several other divisions. So, with the establishment of the division, it is expected that activities will be carried out for the next 1 period

INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
UNIVERSITAS GADJAH MADA CHAPTER  
APRIL – JULY 2024



3. Third Meeting of INMM UGM SC Committee

- Date : March 27, 2023
- Place : Giras Coffee Shop
- Description :
- As for the third meeting this time, they have met with the division heads and division representatives who will be part of 1 period this time in the future. at this meeting discussed the grand design for each division and the determination of work programs that will be implemented for the next 1 period both from the ERD, Human Resources, External, Entrepreneurship and Creative Content divisions.



INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
UNIVERSITAS GADJAH MADA CHAPTER  
APRIL – JULY 2024

4. Open Recruitment INMM UGM SC Committee (Document Selection & FGD)

- Date : May 14, 2023
- Place : SGLC Building, Faculty of Engineering, UGM
- Description :

As for the activity this time, namely conducting a selection for new INMM UGM SC members where this selection activity consisted of 2 stages, namely the document selection stage and the FGD Interview. At this stage of the FGD Interview, a case study was given regarding problems and technological developments in nuclear science. With a selection system like this, it is hoped that they will have the opportunity to take part in the activities that will be held by INMM UGM SC for the next 1 period.



5. Grand Launching INMM UGM SC 2023/2024

- Date : May 31, 2023
- Place : Angkringan Gadjah
- Description :

In this first gathering, the advisor and executive members of INMM UGM SC explained the history and background of INMM UGM SC and the upcoming agenda from Juni - Desember.

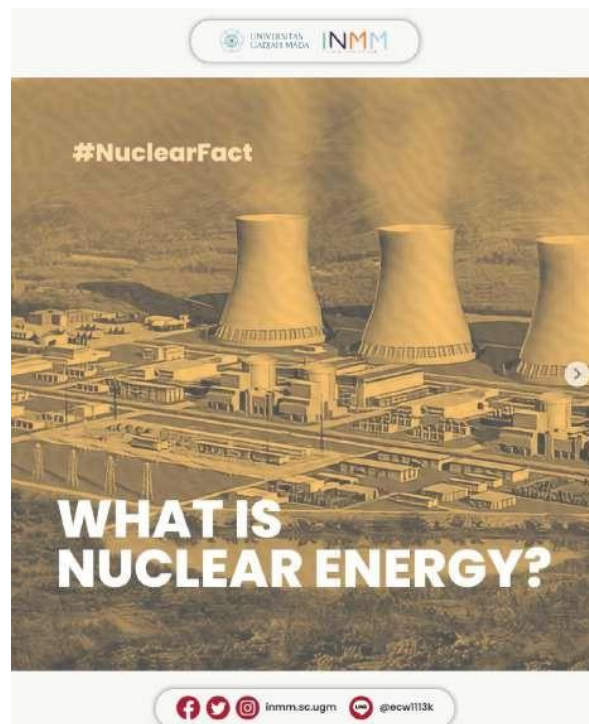
INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
UNIVERSITAS GADJAH MADA CHAPTER  
APRIL – JULY 2024



6. Nuclear Trivia #1

- Date : 13 October 2023
- Place : Online Session (social media)
- Description :

As for Nuclear Trivia #1, it explains about the description of nuclear energy for lay people who do not know the utilization of nuclear energy. Therefore, our goal is to use social media and combine with several other stakeholders to provide broad information about nuclear knowledge.



INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
UNIVERSITAS GADJAH MADA CHAPTER  
APRIL – JULY 2024

7. International Exposure Sharing Session in Nuclear Sector Social Media Promotion

- Date : 03 November 2023
- Place : INMM UGM SC Instagram
- Description :

As for the Nuclear International Exposure Sharing Session, it explains information from various friends of Nuclear Engineering students at Gadjah Mada University who have experience participating in bootcamp activities or paper presentations from various nuclear events either held by the Nuclear Innovation Bootcamp or the NEA Global Rising Stars Program. It is hoped that the audience will have an interest in participating in the various activities above.



INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
UNIVERSITAS GADJAH MADA CHAPTER  
APRIL – JULY 2024

8. International Exposure Sharing Session in Nuclear Sector

- Date : 04 November 2023
- Place : TN2 Room, Nuclear & Engineering Physics Department, Universitas Gadjah Mada
- Description :

As for the Nuclear International Exposure Sharing Session, it explains information from various friends of Nuclear Engineering students at Gadjah Mada University who have experience participating in bootcamp activities or paper presentations from various nuclear events either held by the Nuclear Innovation Bootcamp or the NEA Global Rising Stars Program. It is hoped that the audience will have an interest in participating in the various activities above.



INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
UNIVERSITAS GADJAH MADA CHAPTER  
APRIL – JULY 2024

9. Internal Upgrading #1 “How to Boost your career development Through CV & LinkedIn”  
Promotion

- Date : 14 November 2023
- Place : INMM UGM SC Instagram social media
- Description :

As for this Internal Upgrading, it explains about information from various friends of Nuclear Engineering students at Gadjah Mada University who are prepared to enter the world of work, especially in the nuclear field so that students can prepare to take in the world of work by preparing Resume or LinkedIn. as for the speaker at this event, namely one of the HR Managers of the first nuclear power plant company in Indonesia, Thorcon Power Indonesia.

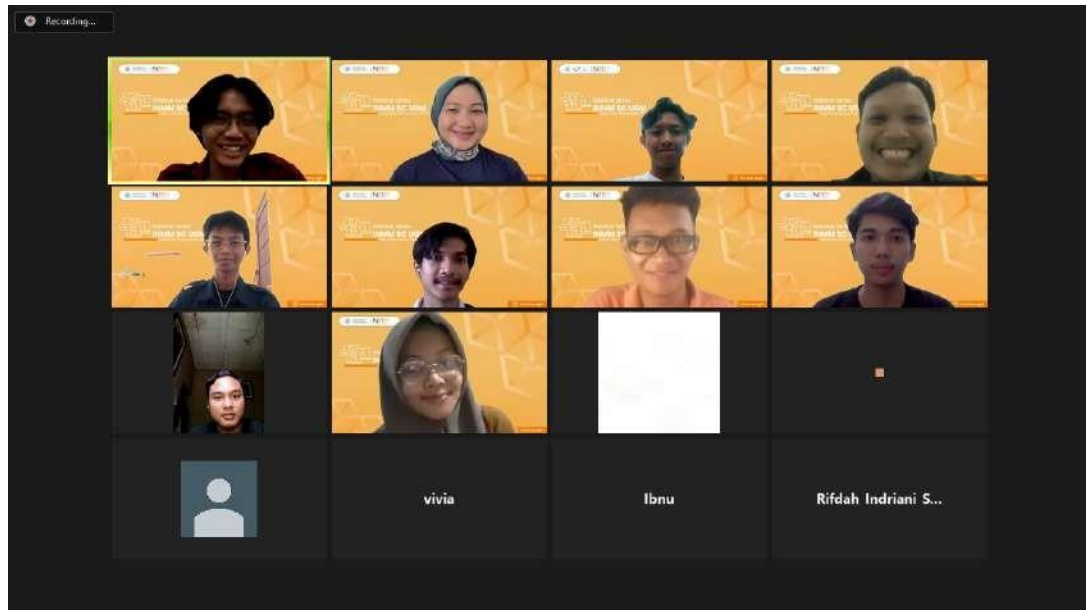


10. Internal Upgrading #1 “How to Boost your career development Through CV & LinkedIn”

- Date : 18 November 2023
- Place : Online Session (Zoom Meeting)
- Description :

As for this Internal Upgrading, it explains about information from various friends of Nuclear Engineering students at Gadjah Mada University who are prepared to enter the world of work, especially in the nuclear field so that students can prepare to take in the world of work by preparing Resume or LinkedIn. as for the speaker at this event, namely one of the HR Managers of the first nuclear power plant company in Indonesia, Thorcon Power Indonesia.

INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
UNIVERSITAS GADJAH MADA CHAPTER  
APRIL – JULY 2024



11. Internal Upgrading #2 “Real Implementation of Career Development CV & LinkedIn”

- Date : 18 November 2023
- Place : TN6, Nuclear & Engineering Physics Department Building, Universitas Gadjah Mada
- Description :

As for the Internal Upgrading #1, it explains about information from various friends of Nuclear Engineering students at Gadjah Mada University who are prepared to enter the world of work, especially in the nuclear field so that students can prepare to take in the world of work by preparing Resume or LinkedIn. as for the speaker at this event, namely one of the HR Managers of the first nuclear power plant company in Indonesia, Thorcon Power Indonesia and after a session with professionals, in Internal Upgrading #2, learning together with various audiences to try directly in making resumes and LinkedIn.

INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
UNIVERSITAS GADJAH MADA CHAPTER  
APRIL – JULY 2024



12. Atom Quest #1

- Date : 22 November 2023
- Place : Online Session (social media)
- Description :

As for this atomic quest, it explains about general information for viewers to get information about scholarships, job vacancies and various event activities that will be held by various institutions both in national and international events.

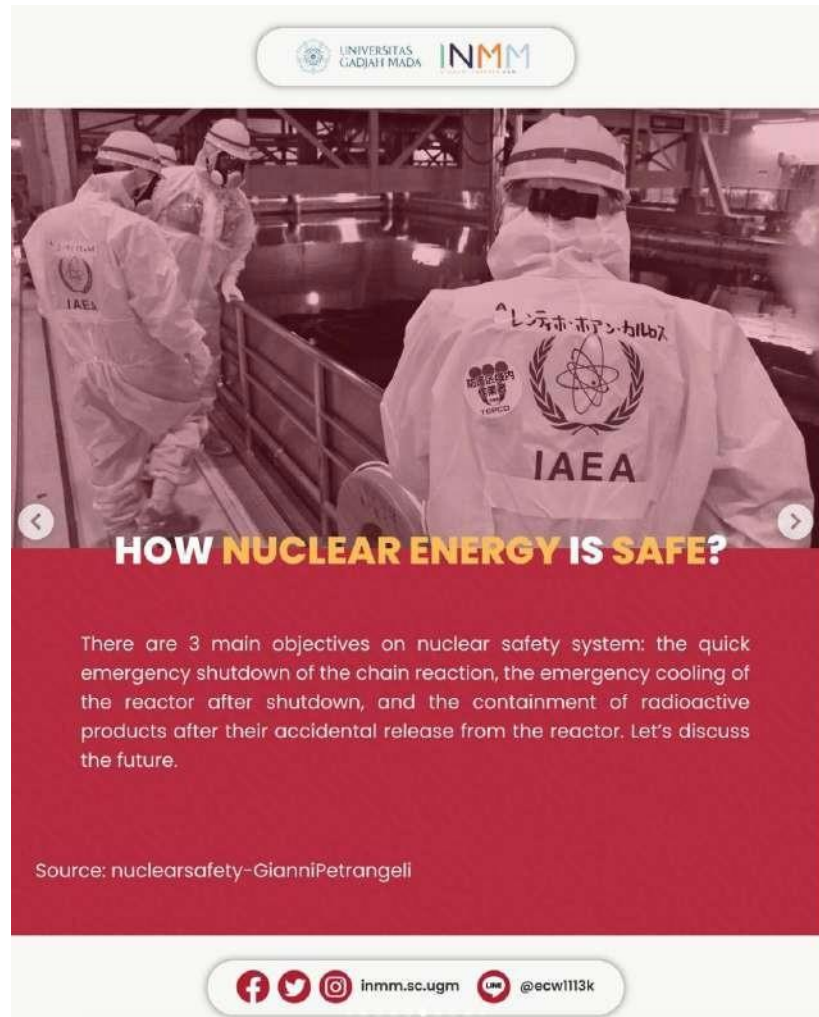
INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
UNIVERSITAS GADJAH MADA CHAPTER  
APRIL – JULY 2024



13. Nuclear Fact #2

- Date : 24 November 2023
- Place : Online Session (social media)
- Description :  
As for nuclear fact #2, it explains general information about nuclear both in terms of materials and other parameter things where ordinary people still have a bad stigma on nuclear, especially the Indonesian people.

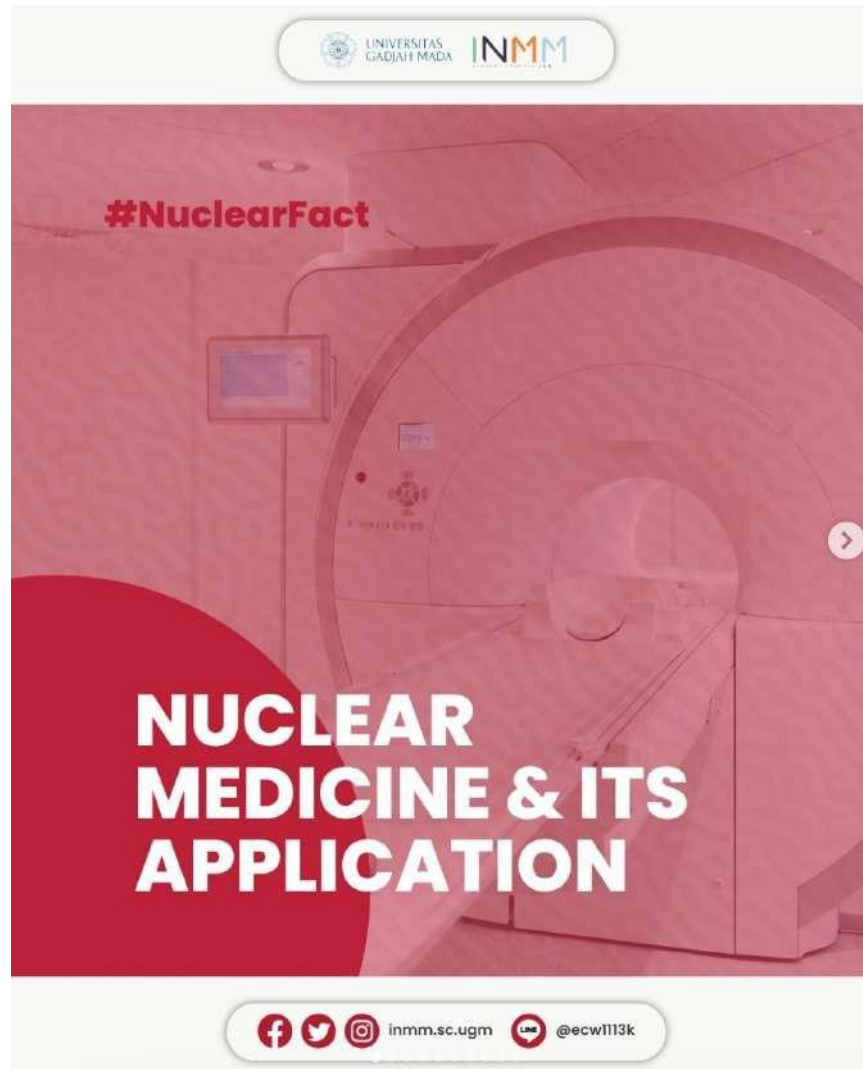
INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
UNIVERSITAS GADJAH MADA CHAPTER  
APRIL – JULY 2024



14. Nuclear Fact #3

- Date : 30 November 2023
- Place : Online Session (social media)
- Description :

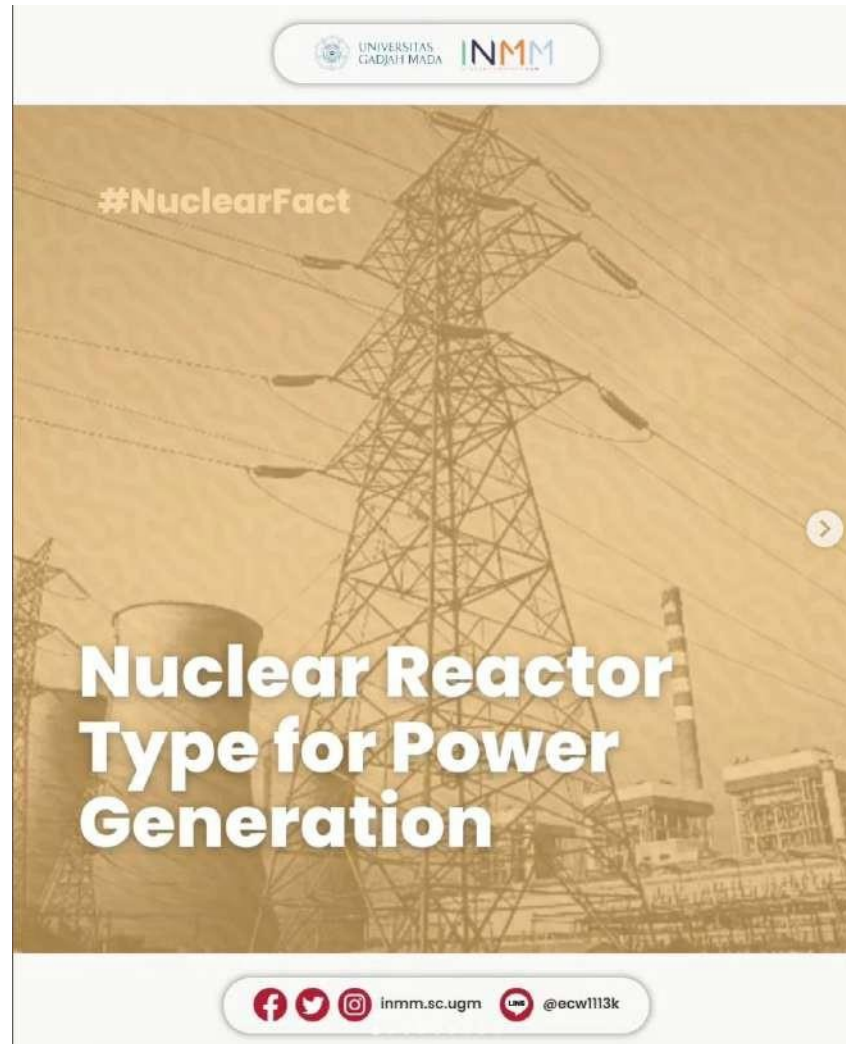
As for nuclear fact #3, it explains general information about nuclear, but focuses on medical nuclear, where medical nuclear in Indonesia is still very unfamiliar to the Indonesian people. With this information, it is hoped that the public can receive important information regarding the use of medical nuclear for everyday life.



15. Nuclear Fact #4

- Date : 07 December 2023
- Place : Online Session (social media)
- Description :

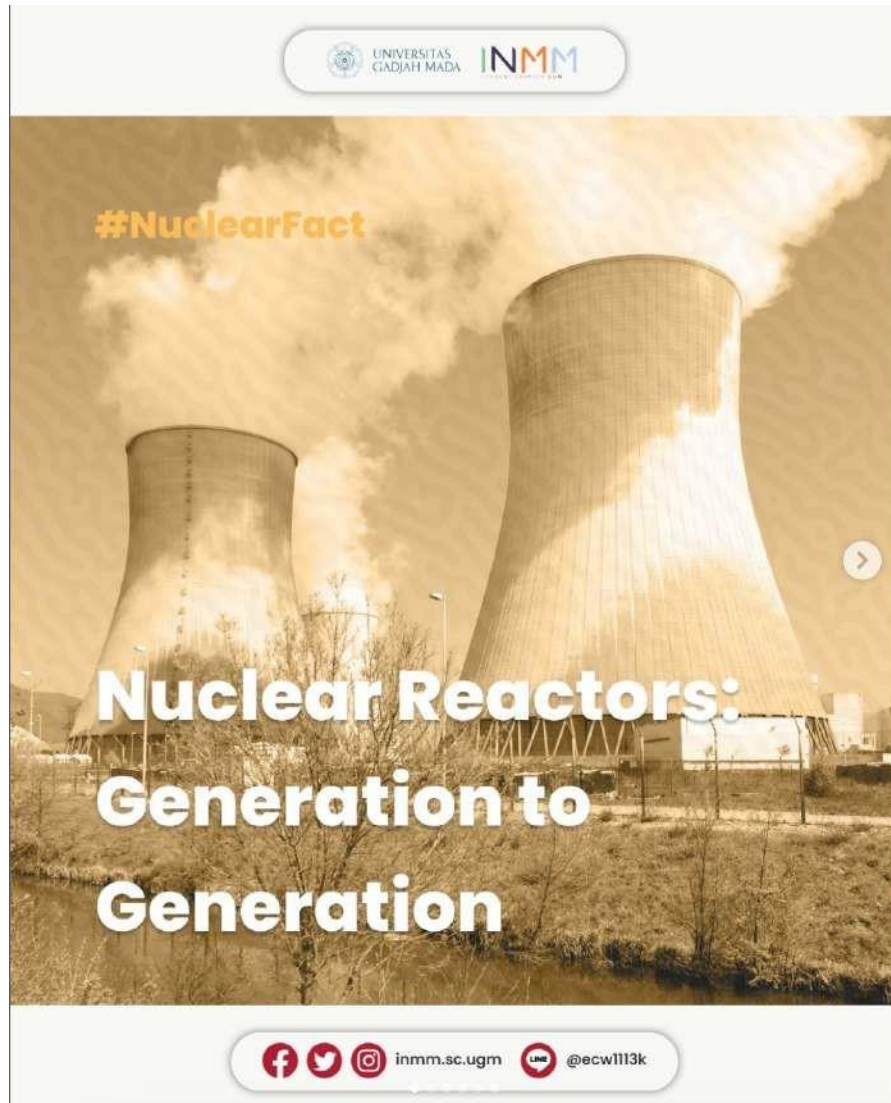
As for nuclear fact #4, it explains general information about what types of reactors are available at nuclear power plants throughout the world. This explanation relates to the types of reactors, including conversional reactors from generation 1 to generation 4.



16. Nuclear Fact #5

- Date : 21 December 2023
- Place : Online Session (social media)
- Description :

As for nuclear fact #5, it explains general information about what types of reactors are available at nuclear power plants throughout the world. This explanation relates to the types of reactors, including conversional reactors from generation 1 to generation 4.



INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
UNIVERSITAS GADJAH MADA CHAPTER  
APRIL – JULY 2024

**Ongoing & Upcoming Activities**

1. Nuclear Webinar & Company Visit Online Session (July)
  - Target: INMM Internal Member & Public related with The Topics
  - On the Nuclear Webinar agenda this time, we try to discuss the nuclear power plant system in general, which is owned by an American company, namely Westinghouse. This speaker is an alumnus from Gadjah Mada University and will invite a colleague from the nuclear and HR sectors to explain the technical session and the company in general owned by Westinghouse.
2. Alumnae Talk (July-August)
  - Target: INMM Internal Member & Public Participant
  - On the alumni talk agenda, there will be an online sharing session with alumni who have previously participated in INMM UGM SC activities, namely Sandy, who now works at Seaborg Technology. Not only that, but we also invited several speakers who are currently pursuing PhD in South Korea as one of the alumni who used to be members of INMM UGM SC

INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
UNIVERSITAS GADJAH MADA CHAPTER  
APRIL – JULY 2024

**Treasurer's Report**

| <b>FY2024 FINAL</b>                                                |           |          |                               |
|--------------------------------------------------------------------|-----------|----------|-------------------------------|
| <b>Universitas Gadjah Mada SC Financial Statement – 10/07/2024</b> |           |          |                               |
|                                                                    | Income    | Expenses | Notes                         |
| <b>Chapter Balance: 10/01/2023</b>                                 | \$1044.14 | -        | From INMM Fund & Batch Before |
| First Gathering                                                    | -         | \$54.82  | First Gathering               |
| Food & Beverages for Meeting                                       | -         | \$87.17  | All event offline             |
| Honorarium for Speaker                                             |           | \$95.79  | For Sharing Session           |
| <b>Income:</b>                                                     | -         | -        | -                             |
| <i>Income Total:</i>                                               | \$320     | -        | -                             |
| <b>Expenses:</b>                                                   | -         | \$237.78 | -                             |
| <i>Expenses Total:</i>                                             | -         | \$237.78 | -                             |
| <b>Chapter Balance: 07/12/2023</b>                                 | \$1126.96 |          |                               |

# INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT

## INMM Student CHAPTER

June 2024

**The INMM business year is October 1 – September 30**

The University of Florida Institute of Nuclear Materials Management Student Chapter Executive Committee members are the following:

| Office                   |                    | Term Ending |
|--------------------------|--------------------|-------------|
| President                | Justin I. Borrero  | 2025        |
| Vice President           | Weslee Kersey      | 2025        |
| Secretary                | Mary E. Severt     | 2025        |
| Treasurer                | Kyle S. Latty      | 2025        |
| Member-at-Large          | Emily Kwapis       | 2024        |
| Member-at-Large          |                    |             |
| Member-at-Large          |                    |             |
| Member-at-Large          |                    |             |
| Immediate Past President |                    |             |
| Advisor*                 | Dr. Kyle C. Hartig | Ongoing     |

**\*For Student Chapters, please add advisor: Dr. Kyle C. Hartig**

1.1. Maintain at least seven (7) members of the INMM parent organization (student chapters may include the faculty advisor as one of the required seven members).

The UF INMM Student Chapter has been reactivated as of Spring 2024 after a two-year hiatus do to transitioning students from UF who previously lead the chapter. Membership by our student chapter participants in the national society is currently below the threshold of seven members as of right now; however, we are working with INMM and our student membership to register at least seven students in the national society, which we should achieve by early Fall 2024. The membership in national INMM by our student members is slightly delayed due to the organization being activated in the Spring semester and most students leaving late-spring and summer for internships as well as new students not onboarding until late-August. We have approximately 12 students (primarily graduate students) listed as members of the student organization for the renewed UF Student INMM Chapter and will be able to encourage several of those to reach the membership goal.

\*Please run your chapter current members report from the member portal and enter your number of current members here – 4.

### Activities

Performed outreach with the UF Society for Hispanic Professional Engineers (SHPE) as well as with a local high school giving three lectures and radiation detection demonstrations during the AP Chemistry block.

INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT

*INMM Student CHAPTER*

*June 2024*

**The INMM business year is October 1 – September 30**

UF hosted Mark Schanfein for a guest lecture as part of a nuclear security course and UF INMM event.

Upcoming Chapter's Officers Meeting – August/September 2024 (Fall Semester)

Future Chapter Activities:

- Upcoming plans involve inviting guest seminar speaking to give a talk on current efforts related to the INMM mission to current UF members and others interested in participating/joining.
- Activating a website for the INMM Student Chapter.
- Participating in INMM 2024 Annual Meeting in Portland, OR.

Banking Statement: With the revamping of the INMM University of Florida Student Chapter as of Spring Semester 2024, currently we have no funding. We have recently been approved as a UF Supported Student Organization and will receive funding from the Materials Science and Engineering Department to sponsor pizza at two meetings a year. We will participate in activities and programs to grow funding to support additional activities such as site tours, meetings, parties, etc. Additionally, we are securing donations for sponsoring of student national INMM registration costs to help boost our national membership numbers and bring our chapter into compliance early in Fall 2024 with the minimum number of registered national members.

Respectfully Submitted:

*Justin I. Borrero*

UF INMM Student Chapter President

Nuclear Engineering Program

Prof. Kyle C. Hartig

UF INMM Student Chapter Advisor

Nuclear Engineering Program

INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
The University of Illinois Urbana-Champaign Student Chapter  
July 1, 2024

The University of Illinois Urbana-Champaign Student Chapter Executive Committee members are  
the following:

| Office                   |                  | Term Ending |
|--------------------------|------------------|-------------|
| President                | Jacob Fritchie   | Fall 2024   |
| Vice President           | Alvaro Pizzaro   | Fall 2024   |
| Secretary                | Ming Fang        | Fall 2024   |
| Treasurer                | Jianxin Zhou     | Fall 2024   |
| Member-at-Large          | Kholod Hassan    | Fall 2024   |
| Member-at-Large          | Anthony Boyd     | Fall 2024   |
| Member-at-Large          | Samar Abdelkawy  | Fall 2024   |
| Member-at-Large          |                  |             |
| Immediate Past President | N/A              |             |
| Advisor*                 | Angela Di Fulvio |             |

\* Current Members:

3. All members are participating, but some have let their membership lapse. We will rectify this soon to come back into compliance.

\* Date of last officers meeting:

May 13<sup>th</sup>, 2024

For which EC Meeting was your last report submitted:

March 2024

Activities since your last report.

Since our last report, we hosted a talk by Claudio Gariazzo focused on undergraduate students. He gave a seminar to all undergraduate students, and we hosted a lunch directly afterwards for interested students to hear a more focused talk from him on nonproliferation and safeguards. Some interested graduate students also attended. We had about 20 people attend, and they seemed very interested in Dr. Gariazzo's presentation. Some students also expressed interest in joining the student chapter next year, which was a good sign. We are also brainstorming ideas for a demonstration of some sort that we could show at open houses or other recruiting events to interest new members.

Planned activities:

We are also brainstorming ideas for a demonstration of some sort that we could show at open houses or other recruiting events to interest new members. When the summer ends and all students are back on campus, we will begin planning activities for the fall semester in earnest.

Do you have any challenges or need assistance that you'd like the EC to know about?

N/A

Submitted by:  
Jacob Fritchie

Oversight (OS) Chair\*: Grace Thompson

\* Items marked with an asterisk are required by the Chapter Activity Policy.

PLEASE DELETE THIS SENTENCE AND ALL INFORMATION ON THIS PAGE BEFORE SUBMITTING  
YOUR REPORT – INCLUDED HERE FOR YOUR INFORMATION. **KEEP AND INCLUDE THE  
TREASURER'S REPORT FOR JULY.**

Elements of the Chapter Activity Policy are numbered

Items 1.1 – 1.4 are required

Items 2.1 – 2.3 are advisable but not required to remain active

- 1.1. Maintain at least seven (7) members of the INMM parent organization (student chapters may include the faculty advisor as one of the required seven members).
- 1.2. Conduct at least one meeting of the Chapter's officers per year
- 1.3. Submit an annual report to INMM HQ for the July EC meeting (which must include financial data for the chapter) for inclusion in the Annual Report to the Membership presented at the INMM Annual Business Meeting. This report should include chapter activities for the full year since the previous annual report and this template must be used.
- 1.4. Maintain current contact data for the Chapter on file with INMM HQ. Whenever your main contact for the chapter changes, please complete and submit the online form found HERE - <https://inmm.org/page/chapterreporting> } This only needs to be done if there is a new main contact for the chapter.**

Advisable Chapter activities:

- 2.1. Holding annual elections
- 2.2. Conducting at least one professional meeting/activity for Chapter members per year
- 2.3. Submitting Chapter status reports to INMM HQ before the November and March EC meeting (this template may be used)

**Treasurer's Report (*Excel Spreadsheet or Word Table*) – the elements in this table must be included with your Annual Report submitted for the July EC meeting**

**FY20XX FINAL**

**{INSERT NAME OF CHAPTER} Financial Statement – 10/01/20XX – 09/30/20XX**

Income

Expenses

Notes

**Chapter Balance: 10/01/20XX**

**Income:**

*Income Total:*

**Expenses:**

*Expenses Total:*

**Chapter Balance: 09/30/20XX**

This section is for those reporting activities related to the **Chapter Incentive Program**. If you are not participating in the program, please delete this sentence and the pages below.

**JNMM** – The INMM will provide each professional or student chapter (i) a 100USD incentive award for every accepted submission that is published in the JNMM. **Please list the title of the article and the issue number in which it was published below:**

---

**Sustaining Members** – The INMM will provide any professional or student chapter with an incentive award for each new sustaining member that joins INMM (the new sustaining member should specify which chapter assisted them). The award does not include membership renewals or sustaining members that have been sustaining members during the past 3 years. The incentive award will be tiered with the level of sustaining membership provided (20% of the cost of sustaining membership). **Please list the name of the company and their level of sustaining membership below:**

---

**Exhibits and Sponsorships for INMM Events** – The INMM will provide any professional or student chapters with (i) a 200USD incentive award for each sponsorship from exhibitors, sponsors, etc. obtained for the INMM Annual meeting, workshops, or other sponsored events. These sponsorships must be considered “new”, i.e., cannot have provided support to INMM during the prior 3 years. In addition, INMM will offer (ii) a 500USD incentive award to the professional or student chapter that obtains the highest monetary amount of sponsorships from exhibitors, sponsors, etc. for the INMM Annual meeting, workshops, or other sponsored events. These sponsorships must be considered “new”, i.e., cannot have provided support to INMM during the prior 3 years. **Please list the name and date of the event, the name of the sponsor and their sponsorship amount below:**

---

**Memberships – Student Chapters** – The INMM will award student chapters with (i) a 50USD incentive award for each student member from their chapter who becomes a regular member of INMM . Furthermore, the INMM will provide (ii) a 250USD incentive award to the INMM student chapter that has the largest percent increase in their current student membership. **(i) INMM HQ will provide a list of those who were members of your student chapter that have transitioned to regular members on or around June 1 yearly for inclusion in your July Annual Report. Please list those names below:**

---

**(ii) Please list your total number of chapter members on July 1 of last year, June 30 of this year, and the percent increase below:**

---

**Memberships – Professional Chapters** – The INMM will award professional chapters (i) a 200USD incentive for every 5 new members they obtain as new regular dues-paying members of INMM. The new member must not have been a member of INMM over the past 3 years. The INMM will provide (ii) a 500USD incentive award to the professional chapter that obtains the largest number of new regular memberships during each incentive period. (i) Please list the names of five new members below:

---

(ii) Please list your total number of chapter members on July 1 of last year, June 30 of this year, and the percent increase below:

---

INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
UNIVERSITY OF MICHIGAN CHAPTER  
2024 – 2025 ACADEMIC YEAR

The University of Michigan Executive Committee members are the following:

| Office                    | Name                 | Term Ending    |
|---------------------------|----------------------|----------------|
| President                 | Caryanne Wilson      | September 2024 |
| Vice President            | Will Heriot          | September 2024 |
| Secretary                 | Ryan Wood            | September 2024 |
| Treasurer                 | Ethan Schneider      | September 2024 |
| Communications (National) | Schuyler Tyler       | September 2024 |
| Immediate Past President  | Londrea Garrett      | September 2024 |
| Advisor                   | Professor Sara Pozzi | Open-ended     |

**Number of current INMM members**

The INMM University of Michigan chapter sustains at least 7 current INMM members: the student board members and advisor, as listed by the table above.

**Date of last Officers Meeting**

June 21, 2024

**Activities**

Through the 2023 – 2024 academic year, the INMM University of Michigan chapter maintained its presence in the Nuclear Engineering and Radiological Sciences (NERS) department of the University of Michigan's college of Engineering. The chapter worked to develop its internal presence at the University of Michigan through invited talks from speakers, involvement in collaborative events with other student organizations and planned elections. The chapter also continued to maintain its presence at the national level and plans to be present at the global level as well.

The INMM University of Michigan chapter hosted a virtual lunch with Adam Williams on Thursday, May 23rd. Dr. Williams is chair of the Nuclear Security and Physical Protection Technical Division. This speaker taught the students about nuclear security and discussed the role of INMM and how they can better serve the students and student chapters. The chapter hopes to hold more talks like this, both virtually and in person, to further expose students to the breadths of nuclear engineering that support the mission of INMM. Moreover, students involved in the chapter and executive board have

participated in the fourth installment of the Consortium for Monitoring, Technology and Verification (MTV) Nuclear Engineering Summer School. These students gave lectures on nuclear engineering fundamentals to individuals of all academic levels interested in nuclear engineering. These lectures included general topics such as radiation interaction with matter, modes of detection for varying radiation, Monte Carlo methods, and other special topics.

This year, the INMM University of Michigan Chapter participated in various conferences and was recognized for its work. The immediate past president and current member, Londrea Garrett, presented her work titled "The Effect of Laser Pulse Width on the Behavior of UF<sub>6</sub> Plasma in LISA-UE" and was awarded the 2023 Top Rated Poster at the Consortium for Monitoring, Technology and Verification (MTV) meeting at the University of Michigan. Another previous executive board member and current member, Flynn Darby, was awarded the 2023 MTV Best Student Publication for his work titled "Neutron-gamma noise measurements in a zero-power reactor using organic scintillators." Current chapter secretary Ryan Wood was awarded Best National Laboratory Collaboration for his "Nuclear Forensics Sample Identification with Magnetic Microcalorimeters" poster at the University Performance Review (UPR) in College Station, Texas in 2023. The chapter's current president, Caryanne Wilson, was awarded the Nuclear Nonproliferation International Safeguards Graduate Fellowship for her exceptional work and interest in the field of international safeguards. Moreover, two students involved with INMM at the University of Michigan are attending the 65th Annual Meeting for INMM to present their work in oral presentations.

The INMM University of Michigan Chapter currently has a balance of \$1863.19 in a university-held student account via Student Organization Account Services (SOAS). The balance consists of previous funds received from the INMM national chapter minus previous operating costs of the INMM University of Michigan chapter.

The INMM University of Michigan Chapter is planning to host speakers at the University of Michigan with expertise related to the goals of INMM. The chapter is currently striving to have at least one speaker attend for a live talk in the Fall Term. The chapter is focusing on inviting speakers that will interest a breadth of researchers at the University to increase interest in the chapter in the coming years.

Respectfully Submitted:

p.p Schuyler Tyler  
Caryanne Wilson

INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT  
VIRGINIA COMMONWEALTH UNIVERSITY CHAPTER  
*March, 2024*

**The INMM business year is July 1 – June 30**

The Virginia Commonwealth University Executive Committee members are the following:

| Office                   | Name              | Term Ending |
|--------------------------|-------------------|-------------|
| President                | Melis Sakarya     | August 2025 |
| Vice President           | Aristidis Loumis  | August 2025 |
| Secretary                | Justin Shurie     | August 2025 |
| Treasurer                | Tyrell Simmons    | August 2025 |
| Member-at-Large          | Furkan Erdogan    | August 2025 |
| Member-at-Large          | John (Jack) Smith | August 2025 |
| Member-at-Large          | James Cahill      | August 2025 |
| Immediate Past President | Peggy Cawley      | August 2025 |
| Advisor*                 | Braden Goddard    | Never :^)   |

Student Chapters, please add advisor: Braden Goddard

**Current Members:**

TBD

**Date of last officers meeting:**

All officers communicate weekly through email and Discord.

**For which EC Meeting was your last report submitted:**

March Annual Report, 2024

**Activities since your last report.**

- Claudio Gariazzo (ANL), "Safeguarding Advanced Reactors," 10/19/2023
- Caleb Massey (ORNL), Accident Tolerant Nuclear Fuels," 10/26/2023
- Paul Ebel, "Nuclear Security: More than Just Guards, Guns, and Gates," 11/28/2023
- "End of Semester Celebration," 12/12/23
- Braden Goddard (VCU), "Is graduate school right for me and will you pay me?" 2/20/2024
- Jim Miller and Massimo Bertino (VCU) "Nuclear Reactor Simulator and Materials Characterization Laboratory Tours," 4/9/2024
- Nathan Shoman (SNL), "More than counting: Applied computer science for modernized safeguards activities," 4/16/2024
- "End of Academic Year Celebration," 4/30/2024

**Planned activities:**

- Eight events are planned for the next academic year

**Submitted by:**

Braden Goddard, Assistant Professor Virginia Commonwealth University



## **FACILITY OPERATIONS TECHNICAL DIVISION**

July 2024 EC MEETING

### Activities since last report

The quarterly “lunch and learn” sessions have continued to be hosted by the Facility Operations Technical Division (FOTD) to support continuing and regular engagement with special topics of interest to the division. These are held virtually on Microsoft TEAMS. The 30-minute sessions consist of a 20-minute presentation followed by time for Q&A. The latest session was held February 21, 2024, for discussion of *Implementation of WNTI Standard for UF6 Cylinder Identification* given by one of our INMM Fellows, Michael Whitaker.

In support of the 2024 INMM Annual Meeting, members of the FOTD Leadership Team reviewed abstracts as they were submitted.

Jackie Shipwash and Jeff Allender attended the Technical Program Committee meeting, held at Argonne National Laboratory March 6–7, 2024.

Megan Sheppard was nominated as INMM Associate Editor for FOTD.

### Planned activities between now and the next reporting period

FOTD will hold its annual meeting on July 21, 2024. Members of the Leadership Team will meet in advance to plan the program.

The next “lunch and learn” session is planned for August. The topic and exact date to be announced later.

FOTD continues to explore ways to increase membership.

### Are there any challenges or needs for assistance that the EC should know about?

The “lunch and learn” sessions have not been attended as well as expected. FOTD would like to explore options for an improved means of advertisement.

Oversight Chair\*: Ben Watts, FOTD Chair  
[Ben.Watts@tetrattech.com](mailto:Ben.Watts@tetrattech.com)

Committee Members\* and Titles (if applicable):

Leigh Gunn, FOTD Deputy Chair

[leigh.gunn@nnsa.doe.gov](mailto:leigh.gunn@nnsa.doe.gov)

Jackie Shipwash, FOTD Secretary  
[Jackie.Shipwash@tetrattech.com](mailto:Jackie.Shipwash@tetrattech.com)

NOTE: If your group has working groups or subcommittees, please list the name and the committee members for each.

FOTD Leadership Team

Ben Watts, Tetra Tech  
Jackie Shipwash, Tetra Tech  
Jeff Allender, SRNL  
Richard Last, Sellafield  
Colin Proud, Sellafield  
Richard Koenig, SRS

Items marked with an asterisk (\*) are required.



## **INTERNATIONAL SAFEGUARDS DIVISION (ISD)**

JULY 2024 EC MEETING

### **Activities since our last annual report (August 2023):**

- Co-sponsoring of the Advanced Reactor 3S Workshop, February 20-21, 2024, at SNL, Albuquerque
- Discussions with ESARDA and INMM leadership on the 10<sup>th</sup> Joint INMM/ESARDA/INMMJ Workshop in Europe; see for past Joint Workshops: <https://inmm.org/page/jointworkshoptokyo2019> and <https://inmm.org/page/esarda2015>
- Technical program planning for the Annual Meeting 2024
- Online meeting on “New Approaches for Export Controls on Items Reportable Under IAEA Safeguards”, March 26, 2024, 11 a.m. to 12 p.m. ET: The Safeguards Information Management (SIM) WG, together with the NAC Export Control WG, organized this 1-hour online event, including speakers from the IAEA and Westinghouse Electric Company, who discussed the challenges posed by new export control technologies. This event was intended to foster INMM collaboration across our community.
- ISD Meeting at the ESARDA Annual Meeting, Luxembourg, 13 May 2024: ISD hold a meeting in conjunction with the ESARDA Annual Meeting. The meeting was supposed to cover, inter alia, updates on the ISD activities, including the WG activities, and to continue to strengthen cooperation between INMM and ESARDA on topics and tasks related to international safeguards.

### **Planned activities between now and the next reporting period:**

- 10<sup>th</sup> Joint INMM/ESARDA/INMMJ Workshop (Europe): Further discussions and preparations
- ISD Meeting at the ESARDA Safeguards Symposium, Antwerp, Belgium, 12 May 2025

### **Do you have any challenges or need assistance that you'd like the EC to know about?**

- 10<sup>th</sup> Joint INMM/ESARDA Workshop (Europe): Any thoughts of the EC on the future format and schedule of this workshop would be appreciated.
- International Safeguards Professional (ISP) certification program, as developed by the Certification Program Working Group for the International Safeguards Professional (CWG ISP), chaired by David Hanks (NRC retired): While the WG fulfilled its charter in 2021, the implementation of the program is still unclear, pending solutions on financing, and oversight/governance.

**Oversight Chair:** Cary Crawford

**ISD Management Team:**

- Irmie Niemeyer (Forschungszentrum Jülich): ISD Chair
- Zoe Gastelum (SNL): ISD Deputy Chair
- Yana Feldman (LLNL)
- Joshua Rutkowski (SNL)
- Heidi Smartt (SNL)
- Carrie Mathews (PNNL)
- Arden Dougan (NNSA retired)
- Shirley Johnson (Tucker Creek Consulting, PLLC)

**ISD Working Groups:**

- Open Source / Geospatial Information (OSGI) WG; Chair: Yana Feldman (LLNL), Co-Chair: Melissa Ullom (Dep. of State)
- Safeguards Information Management WG; Chair: Joshua Rutkowski (SNL), Co-Chair: Snezana Konecni (IAEA)
- Containment/Surveillance WG; Chair: Heidi Smartt (SNL)

**ISD Associate Editors JNMM:**

- Carrie Mathews (PNNL)
- Irmie Niemeyer (Forschungszentrum Jülich)

# Materials Control and Accountability Technical Division

## July 2024 Report

The Materials Control and Accountability (MC&A) Technical Division promotes communication, professional development, and the exchange of technology among professionals active in the control and accountability of nuclear materials. Within the MC&A Technical Division are groups and subcommittees related to Nondestructive Assay (NDA), Destructive Assay (DA), American National Standards Institute (ANSI) INMM N15 standards, MC&A related Policies and Best Practices, and Associate Editors of the Journal of Nuclear Materials Management (JNMM).

During this reporting period efforts were focused on the 2024 annual meeting and preparation for that meeting. With regards to the annual meeting, the division will be judging 10 student papers and hosting separate DA (Brian Ticknor-Chair WG) and NDA (Tim Aucott-Chair WG) working group meetings. It has been challenging in the MC&A community this year to get enough volunteers to support the conference (e.g., session chairs, judges, etc.).

There are several technical related topics we are looking forward to hearing about at the meeting. We expect to hear more about the work by NBL to address needs for HALEU reference standards. There will be papers on advances in gamma imaging for monitoring holdup. A lot of work has been done in the area of neutron measurements for Pu with impurities. And as always there should be some interesting papers on emerging fuel cycles.

### Current roster of MC&A Technical Division Officers and their contact information.

| Roster of MC&A Technical Division Officers |                         |                                                                              |
|--------------------------------------------|-------------------------|------------------------------------------------------------------------------|
| Chair                                      | Philip Gibbs (ORNL)     | <a href="mailto:gibbspw@ornl.gov">gibbspw@ornl.gov</a>                       |
| Vice Chair                                 | Ben Cipiti (SNL)        | <a href="mailto:bbcipiti@sandia.gov">bbcipiti@sandia.gov</a>                 |
| Secretary                                  | Vacant                  | Vacant                                                                       |
| NDA Users Group                            | Tim Aucott (SRNL)       | <a href="mailto:Timothy.aucott@srnl.doe.gov">Timothy.aucott@srnl.doe.gov</a> |
| DA Users Group                             | Brian Ticknor (ORNL)    | <a href="mailto:ticknorbw@ornl.gov">ticknorbw@ornl.gov</a>                   |
| DA Users Group                             | Stefan Neumeier         | <a href="mailto:s.neumeier@fz-juelich.de">s.neumeier@fz-juelich.de</a>       |
| Standards                                  | Melanie May (DOE)       | <a href="mailto:melanie.may@hq.doe.gov">melanie.may@hq.doe.gov</a>           |
| Policy and Best Practices                  | TBD                     | TBD                                                                          |
| Policy and Best Practices                  | Debarah Holmer (DOE)    | <a href="mailto:debarah.holmer@hq.doe.gov">debarah.holmer@hq.doe.gov</a>     |
| JNMM Associate Editor                      | Azaree Lintereur (LANL) | <a href="mailto:alintereur@lanl.gov">alintereur@lanl.gov</a>                 |
| JNMM Associate Editor                      | Louise Evans (ORNL)     | <a href="mailto:evanslg@ornl.gov">evanslg@ornl.gov</a>                       |

Respectfully Submitted by: Philip Gibbs – Chair  
Ben Cipiti – Vice Chair



## Nonproliferation and Arms Control (NAC) Division

### July 2024 EC MEETING

#### Activities since your last report:

Dr. Sunil S. Chirayath of Oak Ridge National Laboratory (ORNL) was selected as the Chair of NAC Division on June 12, 2024, with immediate effect based on the review of four applicants who expressed interest for this position. Dr. Chirayath selected Shavawn Bell-Jenkins of Sandia National Laboratories (SNL) as the deputy Chair for the NAC Division. NAC Division continued to support the technical program committee for the preparation of the 65<sup>th</sup> INMM Annual meeting in Oregon.

#### Planned activities between now and the next reporting period:

1. Chair and Deputy Chair are planning to discuss the idea of forming new subcommittees at the NAC Division meeting on July 21 in Portland.
2. NAC Division meeting is planned on July 21 in Columbia Room of the Portland Marriott Waterfront Hotel from 3pm to 4pm. We have also planned a joint division meeting between NAC and International Safeguards (IS) Divisions on July 21 from 4:15pm to 5:15pm following the NAC Division meeting. This joint meeting will be held in Pearl Room of the Portland Marriott Waterfront Hotel.
3. Conduct one webinar on an Arms Control topic.

Do you have any challenges or need assistance that you'd like the EC to know about?

We would like to get some names of nonproliferation and arms control professionals for conducting monthly webinars.

Oversight Chair\*: Cary Crawford (ORNL)

#### Committee Members\* and Titles (if applicable):

- Export Control Subcommittee
  1. Meili Swanson, Co-Chair
  2. John Castillo, Co-Chair
  3. Paige Gasser, Member
  2. Amanda Sayre, Founding Member
  3. Nina Rosenberg, Founding Member
  4. Willem Janssens, Founding Member
  5. Maggie Arno, Member
  6. Brian Starks, Member
  7. Chris Tucker, Member
  8. Claudio Gariazzo, Member
  9. Julie Carrera, Member
  10. Heather Seager, Member

11. Shawn Bray, Member

- Arms Control Treaty Verification and Disarmament Subcommittee
  1. Jake Benz, Chair
  2. Noah Mayhew
  3. Pete Marleau
  4. Garrison Flynn
  5. Ben Stanley

NAC Division Chair: Sunil S. Chirayath

NAC Division Deputy Chair: Shavawn Bell-Jenkins

Items marked with an asterisk (\*) are required.



## NUCLEAR SECURITY and PHYSICAL PROTECTION TECHNICAL DIVISION

### JULY 2024 EC MEETING

#### Activities since your last report:

- *EC submission for structural changes to this technical division (e.g., new name)*
- *Collaborative discussions with CET Working Group for activity alignment*
- *Continued discussions with potential additional deputy chairpersons*
- *Design and implement plan brainstorming virtual events (preferably with student chapters)*
- *Conducted virtual town hall event, co-hosted with the University of Illinois and University of Michigan – May 23, 2024*
  - *24 virtual participants, 10 in-person ... including from ANSO, LANL, PNNL*
  - *~20min SME presentation on (C)UAS for Nuclear Security by Casey Burr (Sandia)*
  - *~15min discussion on security topics of interest, including:*
    - *Regulations matching the pace of UAS technological development*
    - *Impact of increasing digitization of modern reactor systems*
    - *“Hack-a-reactor” type exercise*
  - *Participants enjoyed the event, it was the first exposure to security for many of the students (highlighting the need for more of these as outreach events)*

#### Planned activities between now and the next reporting period:

- *Finalized planning of the division meeting in Portland*
- *Conduct additional town-hall virtual events (preferably with student chapters)*
  - *Fall semester with co-hosted:*
    - *TAMU or UNM student chapter [SW]*
    - *VCU or UF student chapter [SE]*
    - *PSU or UMass-Lowell student chapter [NE]*
    - *OSU student chapter [NW]*
- *Longer lead/continual items:*
  - *Develop outreach plan for industry, professional societies, academia and the IAEA*
  - *Brainstorm a framing or structure for SPD-related R&D activities*

#### Do you have any challenges or need assistance that you'd like the EC to know about?

- *[Ongoing] Guidance on how to appropriately reach out to the following for increasing INMM collaboration with:*
  - *Industry partners*
  - *IAEA*
  - *Universities*

Oversight Chair\*: Cary Crawford

Committee Members\* and Titles (if applicable):

**Chair:** Adam Williams

Sandia National Laboratories  
adwilli@sandia.gov

**Deputy Chairs:** KJ Maddux (Physical)  
Kj.maddux@ib3global.com

Rob White (Commercial Sector)  
rob.white@xenuclear.com

*Other sub-division deputies TBD*

Items marked with an asterisk (\*) are required.

## **2024 June Report**

### **Packaging, Transportation and Disposition Division**

The INMM Packaging, Transportation and Disposition (PT&D) Division presented the **INMM 37<sup>th</sup> Spent Fuel Management Seminar** January 17-18, 2024, at the Westin Alexandria Old Town, in Washington, DC. The keynote speaker for this year's seminar was Paul Murray, DOE Deputy Assistant Secretary, Spent Fuel & Waste Disposition. Seminar topics discussed included updates from industry on ongoing spent fuel transportation activities, ongoing discussions on interim storage solutions, and a panel on DOE security and safety technologies being utilized on future rail shipments. Additionally, there were lively discussions on a DOE-NE initiative to perform full-scale testing on spent fuel casks. The U.S. Nuclear Infrastructure Council (USNIC) has been a partner with INMM since 2011 in these very successful and enduring seminars. INMM / USNIC are looking forward to presenting the **INMM 38<sup>th</sup> Spent Fuel Management Seminar** in January 2026 in Washington, DC.

The 21st **International Symposium on the Packaging and Transportation of Radioactive Materials (PATRAM 2025)** will be July 27 - August 1, 2025 at the San Antonio Marriott River Center in San Antonio, Texas. INMM, in conjunction with WNTI, are working with DOE, DOT, NRC, and IAEA to host PATRAM 2025. The Planning and Technical Program Committees are meeting on the PATRAM 2025 and working on establishing the various PATRAM sub-committees.

The world's increasing need for safe, efficient, and secure nuclear energy is driving the need for new applications and evolution of safe RAM storage, transportation, and disposition systems. New and innovative solutions are needed for "Used Fuel Disposition" and other radioactive materials. The objective of the INMM Packaging, Transportation and Disposition Division is to be the international forum for meeting these challenging worldwide needs.

Respectfully Submitted,

Jeff England  
Chair, Packaging, Transportation and Disposition

Robert Watkins  
Co-Chair, Packaging, Transportation and Disposition

Dylan Ward  
Spent Fuel Management Seminar Chair