



2013

Annual Report to the Membership

October 1, 2012 – September 30, 2013

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INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT

ANNUAL BUSINESS MEETING DESERT SPRINGS JW MARRIOTT PALM DESERT, CALIFORNIA

TUESDAY, JULY 16, 2013

6:00 – 7:00 p.m.

AGENDA

- | | |
|--|-----------|
| 1. Call to Order | Sorenson |
| 2. Approval of Minutes | Pickett |
| 3. President's Report | Sorenson |
| 4. Financial Report | Curl |
| 5. Election Report | Pickett |
| 6. Committee Reports | Satkowiak |
| 7. Chapter Reports | Satkowiak |
| 8. Technical Division Reports | Vance |
| 9. New Business | Sorenson |
| a: Recognition of Sustaining Members | |
| b: Recognition of New Senior Members | |
| c: Recognition of Golf Tourney and Charity Run Winners | |
| 10. Drawings for Two Complementary
2014 Memberships | HQ |
| 11. Adjournment | |

ANNUAL BUSINESS MEETING MINUTES

Tuesday, July 17, 2012

6:00 – 7:00 p.m.

Call to Order

The 53rd Annual Business Meeting of the Institute of Nuclear Materials Management, an Ohio nonprofit corporation, convened on July 17, 2012 at the Renaissance Orlando Resort at SeaWorld in Orlando, Florida, after notification to all members. President, Scott Vance announced that a quorum was present and called the meeting to order at 6:00 p.m.

Approval of Minutes

Chris Pickett, Secretary, read an abbreviated version of the minutes of the 52nd Annual Business Meeting held July 19, 2011. The minutes were approved.

President's Report

President Scott Vance highlighted INMM's year in review and reported on upcoming events. INMM's membership number stands at 1277, which represents a slight decrease from the total membership number reported in last year's Annual Report. The Institute added the first international Student Chapter in Jordan this past year and many students continue to participate in the Annual Meeting. INMM's financial position remains strong in spite of the poor global economy. Scott Vance thanked Robert Curl and referred to his report. INMM has hosted four successful workshops over this past year and plans to host some next year as well. One of the four includes our first "joint" workshop with the World Institute for Nuclear Security (WINS). All of these things speak to the health of an organization. Scott Vance ends with thanking everyone for the opportunity to represent the Institute for the past two years.

Financial Report

Treasurer Robert Curl reported that the Institute's total assets as of September 30, 2011, the Institute of Nuclear Materials Management's total assets were \$1,120,519. These assets included \$341,070 in operating funds, \$753,116 in operating reserves, and \$26,333 in prepaid expenses and accounts receivable. The associated liabilities were \$38,305 resulting in net assets of \$1,082,214. The

fiscal year 2011 gross income was \$956,679 and the associated expenses were \$855,675, resulting in a net income of \$101,004 for the fiscal year. The fiscal year 2012 budget was established at a projected income of \$1,063,325 and expense of \$1,066,960, which results in a deficit of \$3,635. As of March 31, 2012, the actual income and expenses were following the budget projections. The financial report was accepted for file.

Secretary's Report

Chris Pickett announced the results of the 2012 fiscal year election of Officers and Members-at-Large. This was the sixth year for online balloting and there were a record number of votes and we hope that those who voted found it easy to participate in the balloting process. Voting notification with instructions on how to access the online voting were sent, by e-mail or post to each of the 1063 eligible Institute members of which 349 voted online or requested and returned paper ballots by the deadline.

As a result of the balloting, the Officers and Members-at-Large constituting the INMM Executive Committee beginning October 1, 2012 are:

President	Ken Sorenson
Vice President	Lawrence Satkowiak
Secretary	Chris Pickett
Treasurer	Robert Curl
Members-at-Large:	
Mona Dreicer	9/30/13
Shirley A. Johnson	9/30/13
Ruth Duggan	9/30/14
Mark Schanfein	9/30/14

Committee Reports

Vice President Ken Sorenson noted that the committee reports were included in the 2012 Annual Report to the Membership and proceeded to highlight various activities. The reports submitted show dynamic growth within INMM. The Education and Training Committee with Debbie Dickman as the Chair as well as the Strategic Planning Committee with Jack Jekowski as Chair, are now

a year old and have done quite well in their first year.

Chapter Reports

Vice President Ken Sorenson stated that Chapter reports could be found in the 2012 Annual Report to the Membership. Currently there are 26 Chapters of the Institute, six being U.S. Regional, nine being International and eleven being student. In addition, the Executive Committee recently approved a charter for a Nigerian Chapter.

Technical Divisions Reports

Past President Steve Ortiz acknowledged that the Technical Division reports were included in the 2012 Annual Report to the Membership. The International Safeguards Division organized a special issue of the *Journal of Nuclear Materials Management* on “Science for Verification”, under the leadership of Mark Schanfein. The Materials Control and Accountability Division is currently working with the Nuclear Security and Physical Protection Division and the Facility Operations Division, as well as representatives from the NRC and DOE to plan a Risk-Informed Security workshop to be held in fiscal year 2013. The Nonproliferation and Arms Control Division’s Standing Committee on the International Security of Radioactive and Nuclear Materials conducted the *6th Annual workshop on Reducing the Risk from Radioactive and Nuclear Materials*, in February, in conjunction with the University of California’s Institute on Global Conflict and Cooperation, Public Policy and Nuclear Threats Program (PPNT) Winter Conference for PPNT Fellows. The Packaging, Transportation and Disposition Technical Division is gearing up for PATRAM 2013 to be held in San Francisco, August 18-23, 2013.

Old Business

There was no old business.

New Business

The floor was opened for new business.

INMM Bylaws

President Scott Vance indicated that in the current bylaws there is a restriction on the rights of the Emeritus and Sustaining Members to vote and participate as Officers of INMM. After the Annual Meeting INMM will send out an online ballot for members to vote to take this out of the bylaws.

It requires 2/3 of those voting to agree on the revision.

Scott Vance explained that having a Sustaining Member at a Sustaining company identifies a single member that has voting rights at the Sustaining Member company, not all members at that Sustaining company.

Recognition of Sustaining Members

Vice President Ken Sorenson recognized the Sustaining Members of INMM and announced the four newest Sustaining Members: International and Proportional Technologies, Inc., NETCO, Saint-Gobain Crystals, and Transport Logistics.

Recognition of New Senior Members

Ken Sorenson also recognized 16 new Senior Members, and presented to each of them their Senior Member certificate.

Fun Run

Scott Vance announced that there were 48 participants in the 3K Fun Run/Walk.

Under 40 group

Male – Spencer Vance

Female – Cory Hinderstein

40 – 59 group

Female – Debbie Vance

Male – Melvin Feather

60 and up

Female – Diana Mangan

Male – Markku Koskelo

Free 2013 Membership Drawings

Both Lynne Preston and Steve Ward were the recipients of a free one-year regular INMM membership in the free membership drawing.

There being no other business, the Annual Business Meeting adjourned at 6:45 p.m.

PRESIDENT'S 2013 REPORT

Ken Sorenson

The State of the Institute

The INMM is being challenged in ways that will impact our long term health and viability. However, our history of having a relevant mission, a vibrant membership, and strong leadership will sustain us through these difficult times into the future. What that future will look like is as yet unclear. What are the specific challenges?

In the summer of 2011 the U.S. Office of Management and Budget (OMB) instituted guidance on government agency support for travel to conferences. One of INMM's major supporters for the Annual Meeting (AM), the Department of Energy, instituted severe restrictions on conference travel and attendance for professionals supported by DOE project funds. For the 53rd Annual Meeting, this resulted in a decrease of about 200 registrants to the Annual Meeting. After the 53rd AM, the Officers and members of the EC worked diligently to engage DOE management in explaining the importance of the INMM AM to the DOE mission with the request to consider relaxing the interpretation of the OMB guidance for conference attendance. In the end, we were not successful. At the time of this writing, attendance for the 54th AM looks to be down about 50% from the 53rd AM. Factors including budget sequestration enforced DOE's resolve to limit attendance to conferences in general. It is important to note that INMM is not singled out in this process. Virtually all technical societies in the U.S. are struggling with this debilitating situation. We will continue to engage other technical societies, members of Congress, and DOE this next year to improve the prospects for broader attendance for the 55th AM in Atlanta, Georgia.

What is the State of the Institute?

- Thanks to careful stewardship of our finances over the years, we have a reserve of funds that should carry us through these tough times. In the near-term, however, we will need to cut expenses to reflect the current reality. The EC will be working over the next several months to prepare a FY14 budget that addresses our expenditures in light of projected reduced revenues.
- We have a technical and policy relevance that provides the foundation of our mission. This relevance is important and will sustain us through these difficult times and will be the engine for future growth.

- Our workshops provide a forum for extending the reach of INMM past the AM. We will continue to encourage workshops as a way to demonstrate relevance to the nuclear materials management community world-wide.
- We continue to be active internationally through our chapters and through partnerships with ESARDA and WINS.
- We are managing leadership transitions in light of a fair number of retirements over this past year. These new leaders will add new perspectives that will meld well with our existing leadership.
- We have strong management support through the Sherwood Group. These professionals are an important part of our management team.

Leadership Transitions

We have had a fair number of transitions over this past year. Here is a rundown:

- Jim Larrimore has retired as the Chair of the International Safeguards Division. Michael Whitaker from Oak Ridge National Laboratory will assume the Chairmanship of this Division.
- John Matter has retired as the Chair of the Chapter Relations Committee. Willem Janssens from the Joint Research Centre of the Institute for Transuranic Elements (ITU) is the new Chair.
- Arden Dougan has stepped down from the Bylaws Committee and Steve Ortiz from Sandia National Laboratories (and former INMM President) is the new Chair.
- Richard Rawl has stepped down as Chair of the N14 Technical Standards Committee and Matt Feldman of Oak Ridge National Laboratory is the new Chair.
- Debbie Dickman is stepping down as Chair of the Education & Training Committee. We are currently in the process of naming a replacement for Debbie.
- Joyce Connery, Interim Chair of the Nonproliferation & Arms Control Division and Brian Boyer, Chair of the Communications Committee, were both elected as Members-at-Large to the EC. They must give up their Chair positions when they assume their roles with the EC beginning the first of October.

The membership at large owes these leaders a big "Thank You" for the time, effort, and leadership that they individually gave to the INMM. As group, they represent

decades of sustained leadership and helped position the INMM as a strong institute that is critical to the future of global nuclear materials management. Thank you!

The Year Ahead

In many ways, the year ahead will be business as usual. We will continue to encourage workshops, we will work to strengthen and grow our chapters, we will engage on a global scale, and we will work through our Division and Committee structure to conduct the business of the INMM in a way that addresses our current situation, but also looks to the future.

The INMM leadership will work aggressively to moderate the significant travel restrictions that have been placed on U.S. government-sponsored conference attendance. There are rays of sunlight on the horizon. There has been substantial feedback from many organizations to members of Congress, as well as DOE specifically, asking for

review and consideration in the interpretation of the OMB guidance. These voices are being heard. We will continue to get our message out to government leaders, along with our colleagues from other technical institutes. I believe we are at a low point in this process and that things will improve. However, it will be a gradual process.

The 2013 Annual Meeting

Even though registration and paper numbers are down this year, we expect to have a vibrant and successful annual meeting. From the Sunday Division meetings, to the Sunday evening President's Reception, to the Opening Plenary session, the technical sessions, the poster session, the various committee meetings, and the Closing Plenary, we are confident that this meeting will once again provide an enriching experience for all our Annual Meeting participants. Enjoy!

TREASURER'S REPORT*Robert U. Curl*

As of September 30, 2012, the Institute of Nuclear Materials Management's total assets were \$994,414. These assets included \$169,669 in operating funds, \$754,111 in reserves, and \$70,634 in prepaid expenses/accounts receivable/other. The associated liabilities were \$28,392 resulting in net assets of \$966,022.

The FY 2012 gross income was \$840,452 and the associated expenses were \$906,655, resulting in a net loss of \$66,203 for the fiscal year.

The FY 2013 budget was established at a projected income of \$1,394,160 and expense of \$1,405,670, which results in a deficit of \$11,510. As of May 31, 2013, the actual income and expenses were following the budget projections. A breakdown of FY 2013 income and expense projections, by major category, is presented below.

Any INMM Member wishing to obtain a copy of the FY 2012 year-end financial statement may do so by contacting Robert Curl, INMM Treasurer, or Jodi Metzger, INMM Executive Director.

Income:

Dues	\$ 74,000
Memorial/Education Fund	1,500
Journal	16,500
Annual Meeting	627,975
Proceedings	2,750
Dividends and Interest	1,200
Spent Fuel Monograph	270
Web Site Job Listings	500
PATRAM 2013	588,715
Other Workshops and Topical Meetings	80,750
	Total Income
	\$ 1,394,160

Expenses:

Society Headquarters	\$ 91,390
Journal	91,340
Annual Meeting	477,895
Annual Meeting Revenue Share	25,015
Proceedings	1,000
Administration	67,530
Technical Committee Support	11,270
Standing Committee/Chapter Support	58,930
Technical Division Support	3,300
PATRAM 2013	519,300
Other Workshops and Topical Meetings	58,700
	Total Expenses
	\$ 1,405,670

SECRETARY'S REPORT*Chris A. Pickett***Balloting Results 2013:
Election of Executive Committee**

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 Annual Report, the Communicator, and the Journal is construed as having met that obligation. In accordance with the bylaws, the Nominating Committee selected the following candidates for **Officers and Members-at-Large** of the INMM Executive Committee.

President – Ken Sorenson**Vice President** – Lawrence Satkowiak**Secretary** – Chris Pickett**Treasurer** – Robert Curl**Members-at-Large:**

Brian Boyer

Joyce Connery

Morris Hassler

Steven Wyrick

This was the seventh year for online balloting and received a great response. We hope that those who voted found it easy to participate in the balloting process. Voting notification with instructions on how to access the online voting was sent, by e-mail or post to each of the 975 eligible Institute members of which 261 voted online or requested and returned paper ballots by the deadline. The number of members voting this year was down from last year. As a result of the balloting, the Officers and Members-at-Large constituting the INMM Executive Committee beginning October 1, 2013 is as follows:

President – Ken Sorenson**Vice President** – Lawrence Satkowiak**Secretary** – Chris Pickett**Treasurer** – Robert Curl**Members-at-Large:**

Ruth Duggan 9/30/14

Mark Schanfein 9/30/14

Brian Boyer 9/30/15

Joyce Connery 9/30/15

Immediate Past-President – Scott Vance**Japan Chapter Designate****Korean Chapter Designate****Vienna Chapter Designate**

There were write-in votes for the following:

President

Susan Pepper, Shirley Cox, Jack Nunes, Larry Satkowiak

Vice President

Cary Crawford, Obie Amacker, Grace Thompson, Ken Sorenson

Secretary

Obie Amacker, John Matter, Corey Hinderstein, George Baldwin, Pat Lynch

Treasurer

Cary Crawford, Nancy Jo Nicholas, Grace Thompson, Amy Whitworth, Jack Nunes, Teressa McKinney, Mona Dreicer

Member-at-large

Al Garrett, DL Whaley, Marco Marzo, Susan Pepper, George Baldwin, Ken Sanders

We wish continue to encourage members to recommend candidates to the Chair of the nominating committee. It has been the practice of the nominating committee to select candidates who have had INMM involvement in committees or chapters, who are generally familiar with the overall operations of the INMM and have a working knowledge of the Executive Committee. Candidates for the Executive Committee may also be nominated for any of the elective offices or positions by fifteen (15) members who submit a petition to the Secretary. (See INMM Bylaws for details)

We urge all members to review the INMM structure and Chapter activities to find an activity in which they can become involved. **Minutes of the 2012 Annual Business meeting are included in this Annual report.**

INMM ACCREDITED STANDARDS COMMITTEE N14*Matt Feldman, Chair*

July 2013**Packaging and Transportation of Radioactive and Non-Nuclear Hazardous Materials.****Standards Activities****N14.1-2012 – Packaging of Uranium Hexafluoride for Transport – Published**

ANSI Headquarters approved the N14.1 Standard on December 3, 2012. This standard is now available from ANSI Headquarters as an electronic file and is also available as an electronic file from the N14 Secretary.

N14.5–201X – Leakage Tests on Packages for Shipment

The N14.5 writing committee is currently resolving comments received. In the process of resolving these comments they discovered a formula was incorrect and are now doing an extensive review to determine how that affects the standard. The results of this review will determine if the standard has to be re-circulated through the balloting process.

N14.6-201X – Special Lifting Devices for Shipping Containers Weighing 10,000

Pounds (4500 kg) or More for Nuclear Materials The individual that was leading the resolution of comments received during the balloting process unexpectedly retired and we were not aware of his retirement until late February 2013. The N14 Chair is currently working with the writing team to determine the status of this standard.

N14.7-2013 – Packages for Type A Quantities of Radioactive Material - Published

ANSI Headquarters approved the N14.7 Standard on April 15, 2013. This standard is now available from ANSI Headquarters as an electronic file and is also available as an electronic file from the N14 Secretary.

N14.33-201X – Storage and Transport of Damaged Spent Fuel

The N14.33 Chair submitted the current standard to the review team to determine if the standard should be 1) revised, 2) retired, or 3) reaffirmed. The review team has selected to just reaffirm the standard at this time. The N14 Secretary will work with the N14.33 Chair to update the N14 membership listing in the standard prior to submitting the standard to the balloting membership and the ANSI Standard Action for public review.

N14.36-2013 – Measurement of Radiation Level and Surface Contamination for Packages and Conveyances - Published

ANSI Headquarters approved the N14.36 Standard on March 27, 2013. This standard is now available from ANSI Headquarters as an electronic file and is also available as an electronic file from the N14 Secretary.

New N14 Chair

The balloting for the new N14 Chair closed on February 23, 2013 and on March 18, 2013. The INMM President Mr. Ken Sorenson and former N14 Chair Rick Rawl announced that Matt Feldman from ORNL is the new N14 Chair. He replaced Mr. Rawl upon the announcement dated March 18, 2013.

INMM ACCREDITED STANDARDS COMMITTEE N15

Melanie May, Chair

This report covers the period July 2012 to July 2013.

Status of Accredited Standards Committee (ASC) N15 Standards.

ASC N15 has three active standards:

- N15.8-2009 – Special Nuclear Material (SNM) Control and Accounting Systems for Nuclear Power Plants,
- N15.36-2010 – Measurement Control Program, Nondestructive Assay Measurement Control and Assurance, and
- N15.51-2007 – Measurement Control Program, Nuclear Materials Analytical Chemistry Laboratory.

All of these standards were published by the American National Standards Institute (ANSI) and are available for purchase online at <http://webstore.ansi.org/>.

ASC N15 has several standards under review or development, including:

- N15.19-1989 – Volume Calibration Techniques (not active). An N15 writing team has reviewed International Organization for Standardization (ISO) standard 18213, “Tank Calibration and Volume Determination for Nuclear Materials Accountancy”, parts 1 through 6, as part of the ANSI process for adopting the ISO standard as an American National Standard. Comments are being compiled for further discussion. The team has been holding regular webinars to review the ISO standard.
- N15.28-1991 – Training and Certification of Safeguards Personnel (not active). The writing team has performed an initial review of the archived standard to discuss potential scope and content modifications. A draft revision is being prepared for further discussion.
- N15.41-1994 – Measurement Control, General Principles (not active). The writing team prepared a draft to be circulated to a wider writing group for further review and revision. The writing team seeks additional members: statisticians and destructive and nondestructive assay subject matter experts from the regulatory agencies, NRC licensees, and DOE contractors are asked to participate in the revision of this standard.
- N15.51-2007 – Measurement Control Program – Nuclear Materials Analytical Laboratory (active). An N15.51 writing team was formed and held several webinars and meeting(s) to review the standard as part

of its regular five year renewal. Proposed revisions have been incorporated into a draft revision.

- New Standard – Nondestructive Assay Measurements of Nuclear Material Holdup: General Provisions. A final revised draft was completed by the writing team, submitted to the N15 Board and is being prepared for N15 consensus body ballot vote. The draft N15 standard discusses administrative practices and other general provisions, and is expected to supplement an ASTM test method that discusses technical aspects of holdup measurements.

ASC N15 Consensus Body Ballot Roster. The ASC N15 Board completed and balloted an updated roster by consensus body vote in 2012. The updated ASC N15 Consensus Body Ballot Roster is posted on the N15 web site.

Outreach and Collaboration.

- N15 continues to use on-line meeting capabilities to provide additional working session options for N15 writing teams and subcommittees. Webinar sessions have been utilized to assist several writing teams in the review and deliberations of their standards.
- N15.8-2009 – SNM Control and Accounting Systems for Nuclear Power Plants (active). This N15 standard is up for renewal in 2014. The N15 Board is currently looking for a new writing team chair to replace Martha Williams and for interested stakeholders to participate.
- Tracking UF6 cylinders – DOE/NNSA staff expressed an interest in developing a voluntary consensus standard for the identification, labeling and tracking of UF6 cylinders and are working to define the standard’s scope and purpose. Efforts were undertaken over the past year to reach out to manufacturers and other potential stakeholders. N15 officers are working with the officers of INMM ASC N14, which maintains N14.1-2001 – Uranium Hexafluoride –Packaging for Transport, for further collaboration. The UF6 task group is interested in both: 1) adding a unique ID to UF6 cylinder nameplates (which falls within the scope of ASC N14), and 2) tracking and accounting for UF6 material (which falls within the scope of ASC N15).
- ISO/TC 85 – The N15/ N5.1 subcommittee is working to continue a strong connection with the IAEA and with related ISO standards committees through the U.S.

Nuclear Technical Advisory Group (NTAG) to ISO Technical Committee 85 (ISO/TC85). An N15 team is reviewing the ISO 18213 standard for U.S. adoption as an American National Standard, and applicable comments are being compiled to submit for the next ISO 18213 revision.

- N15 Board Officers participated in meetings of the INMM Executive Committee and INMM Technical Divisions; the Nuclear Energy Standards Coordination Collaborative (NESCC), the ANSI Government Members Forum and ANSI Meeting for Standards Developers; ASTM Standards Committee C26.10; and the NRC International Regulators Conference held December 2012. These collaborative efforts reduce the potential for conflict or duplication between INMM ASC N15 standards and those of other standards developing organizations.
- N15 Board Officers participated in ANSI Webinars and Training including the Overview of Essential Requirements in December 2012; and ANSI 2013 Accredited Standards Developer Compliance Form Webinar in January 2013.
- N15 Board Officers submitted comments to ANSI regarding proposed changes to the ANSI Essential Requirements: “ExSC 8169 - Revision of Section 2.5 of the ‘ANSI Essential Requirements’ (ANSI PINS Shelf Life Proposal)” and “ANSI Review Requested Open Projects”.

ASC N15 Web Pages. The ASC N15 home page is hosted on the INMM website. ASC N15 worked with INMM staff to complete updates to the N15 website in 2012.

ANSI Audit (5-Year) – The periodic ANSI audit of INMM ASC N15 was conducted March through June 2013.

Overall the audit results were positive and the ANSI audit team provided several good suggestions to improve N15 operations. The N15 Board is preparing a corrective action plan to address the audit findings/procedural concerns for submittal to ANSI and the ASC N15 Operating Procedures will be modified accordingly.

Summary. The N15 Board would like to express appreciation and thanks to all who give of their knowledge, expertise, time and effort in the development of ASC N15 voluntary consensus standards. We invite all those with a material and stakeholder interest in N15 standards to attend our meetings. Please visit the INMM/N15 website at http://www.inmm.org/N_15.htm.

Respectfully submitted on behalf of N15 by,

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

Lynne Preston, Vice Chair lynne.preston@hq.doe.gov

Steven Ward, Secretary sward1@entergy.com

TECHNICAL PROGRAM

Teressa McKinney, Chair

A detailed report of the INMM Annual Meeting for 2013 will be provided in the fall 2013 issue of the *Journal of*

Nuclear Materials Management and posted on the INMM Web site at www.inmm.org.

CHAPTER RELATIONS COMMITTEE

Willem Janssens, Chair

Since the last INMM EC meeting on March 6th, the following items are reported from the CRC Chair :

1. New request received for forming an INMM Student Chapter from the Pandit Deendayal Petroleum University (PDPU)-India, discussed in quite some detail with the US Department of States. Bylaws agreed upon and ready for approval by EC. Discussed via Benjamin DeThomas (CRDF Global)
2. New request received for forming an INMM Student Chapter from the Tokyo Institute of Technology (Prof. Masaki Saito) – via the INMM Japan Chapter (T. Osabe). First set of documents (including Student Chapter Handbook and INMM Chapter Sustainability Guidelines) sent
3. Interest expressed by ABACC to form a regional (Argentina-Brazil) INMM Chapter (O. Peixoto). First set of documents sent. Will be discussed in more detail during the INMM Annual Meeting.
4. During the ESARDA (European Safeguards Research and Development Association) meeting in Brugge, end of May 2013, a paper was presented entitled “Nuclear Safeguards and Non Proliferation Education and Training, initiatives by ESARDA, INMM and JRC” (authors W. Janssens, M. Scholz, T. Jonter, M. Marin Ferrer, A. De Luca) which covered in some detail the INMM Chapter Mechanism and made further publicity for it (after the topic having been introduced during the Opening Plenary Meeting by INMM President Ken Sorenson). Claudio Gariazzo, vice-chair of CRC, delivered the contribution on INMM Chapters to the paper (copy of paper available upon request)
5. A structured communication (with 10 points and a number of new “working proposals”) was sent to the members of the CRC to be discussed during the INMM Annual Meeting (copy available from the CRC Chair upon request). The INMM Chapter presidents were also asked to identify potential candidates to reinforce the membership of CRC.
6. A note was sent to all Chapter Presidents (US, Regional, International, Student) to share a similar number of ideas and organize the meetings during the INMM Annual meeting :
 - a. Informal dinner on Saturday evening with the Chapter Presidents who participate to the INMM EC
 - b. Luncheon with all Student Chapters (and Faculty Advisors) on Tuesday lunch time
 - c. Luncheon with all Chapter Presidents on Wednesday lunch time (NOT Thursday !)
7. Progress has been made on the NuSaSET webportal (with social networking features) for use both by ESARDA (esp. after the last ESARDA course which took place end of March 2013 in Ispra) and by INMM (proposed to the Chapter Presidents) : www.nusaset.org. This could become a major information exchange platform (when buy-in can be assured also of a number of INMM Chapters)
8. Contact was taken up by P. Lynch (ORNL) dealing with PNS (Partnership for Nuclear Security / sponsoring many intl. participants (about 40) to the INMM Annual Meeting, incl. many representatives of newly formed INMM Chapters) to participate to their Sunday morning workshop (14/07)
9. Contact was taken up with M. Whitacker (ISD) to strengthen ties between the International Chapters and ISD (e.g. Mike will participate to the INMM Chapter Presidents Luncheon)
10. Contact was taken up by Steve Ward, Chair INMM Student Activities (and Vice President of the Northeast Regional Chapter), working closely with the INMM Student Chapters (and Faculty Advisors), with whom we will organize a joint student event during the INMM Annual Meeting.

COMMUNICATIONS COMMITTEE REPORT

Brian Boyer, Chair

During the past 3 months, the Communications Committee functioned separately through its three subcommittees: Publications, Public & Event Sponsorship, and Website Management. Summaries of the subcommittee activities are listed below.

The Communications Committee welcomes members wishing to serve on any of its subcommittees. Any interested members please contact Brian Boyer by email at bboyer@lanl.gov.

1. Publications (Brian Boyer)

...released the Communicator on the INMM website in May 2013. We plan to release the next edition in August after the summer Annual Meeting; if possible, we would appreciate contributions to be submitted at or right after the Annual Meeting.

2. Public Relations & Event Sponsorship (Susan Pepper)

... This subcommittee is available to support all INMM workshops by assisting with the preparation of sponsorship solicitations.

3. Website Management (George Baldwin)

The website subcommittee had two action items from the March 2013 Executive Committee meeting. One was to prepare a draft proposal on how to maintain website content; the other to review and identify immediate changes needed to the website. The subcommittee has made appreciable progress on both issues.

Actual changes to the INMM website itself are implemented entirely by INMM headquarters (Patricia Sullivan). However, the breadth of expertise required to cover the INMM topical space, and the time and effort required, require the coordinated efforts of several individuals. That is the reason for forming the subcommittee, which now has 16 members worldwide. We also recognize that the entire INMM membership is a potential source of input for website changes and improvements. Most of the effort in the past few months has been to develop, test and deploy a web-based tool (the "IWSC portal") for the express purpose of managing the INMM website and its content. The IWSC portal will enable us to solicit ideas from the broader membership, prioritize and distribute the workload to the subcommittee, track and document that

activity, and provide a single, consensus pipeline of website changes to INMM.

Until the IWSC portal is fully up and running, the subcommittee is conducting a brute force overall review of the INMM website content and identifying immediate changes. The approach is simply division of labor, no workflow management, and dumping of input on INMM via email. However, priority attention has been devoted to this year's 54th Annual Meeting, other content under "Events," "Info for Students," and "About INMM," particularly the technical divisions.

There will be a Meeting of the Website Subcommittee at the INMM Annual Meeting with the time to be decided. Also at the INMM Annual Meeting the Website Subcommittee will consider visiting individual technical division meetings to explain what we're doing with the website.

WE will also consider briefing the chapter presidents (Chapter Relations Thursday luncheon).

We had a subcommittee telcon meeting on June 18, 2013.

The Agenda included

Agenda Topic #1: INMM Website Review

- Identify important changes needed immediately: mainly content, but functionality too. Changes send to Patricia Sullivan via email with cc: to George Baldwin
- Limit to no more than three critical issues (for the time being)
- Be sure to include (cut & paste) the specific URL of the page(s) in question!!! Complete this review before the end of June 2013
- Changes themselves may NOT yet be made—the work load for INMM HQ may not allow for it; our objective is to get high-priority changes into a pipeline to be addressed when possible
- Major changes are not advisable during this time—Annual Meeting registration is underway
- Divide up the website to distribute the review load: Events / Annual Meeting J.R. Russell
- Events / Upcoming Meetings J.R. Russell
- About INMM / Technical Divisions: ISD George Baldwin About INMM / Technical

COMMUNICATIONS COMMITTEE REPORT (CONT.)

Divisions: FO Jeff Allender About INMM /
 Technical Divisions: MC&A Mike Baker About
 INMM / Technical Divisions: NS&PP Felicia
 Duran

- About INMM / Technical Divisions: NAC
 (not yet covered)* About INMM / Technical
 Divisions: PTD Larry Gelder*
- Info for Students (not yet covered)*
- About INMM / (everything else) Chris Pickett
- Anything relevant to Strategic Planning:
 Jack Jekowski
- Resources Alan Bolind
 [tools for automated website review, such as
 broken links] Karl Horak

*George Baldwin will follow-up to fill and/or
 confirm indicated gaps, above

Anyone without a specific volunteered assignment:
 everything/anything else!!

Committees: George Baldwin will follow up with
 blast email to Committee Chairs to solicit
 INMM website feedback pertaining to their
 respective committees

Chapters: similarly, George Baldwin to follow
 up with Willem Janssens (Chapter Relations)
 Executive Committee: anything here that might
 require EC consideration? Get on the July
 agenda

Agenda Topic #2: IWSC Portal for Subcommittee

Business <https://iwsc.sandia.gov/>

- “open” site for the larger INMM membership
 (and the broader public)
- INMM Website Issues tab for accepting input
 from the membership; comments do not appear
 unless approved by a “moderator” (intended to be
 any member of the subcommittee) We can reject
 or approve submitted input (once approved, it
 appears publicly)
- Should consider importance of responding:
 “generic” responder identity?

- Link to this from the INMM website itself? Yes,
 possibly, but only after testing phase
- Temporary password shared with everyone on the
 call
- Usernames for log in to be sent following the
 teleconference: then will be able to see the
 subcommittee-only side of the portal
- Subcommittee “issues” are handled separately
 with an internal “Issues Tracker”; which is a
 means of tracking status of individual issues,
 assigning responsibility, documenting actions,
 etc.

4. Newly elected Members-at-Large to the INMM Executive Committee:

Brian Boyer and Joyce Connery will be Members-at-Large
 Effective October 1. We will need to have a new chair of
 the Communications Committee.

I would like to thank everyone for all the assistance over
 the years on the Communications Committee.

FELLOWS COMMITTEE

Obie Amacker, Chair

The Fellows Committee continued to communicate electronically throughout the year to conduct business, as the Annual Meeting provides the only real opportunity for the Fellows to meet face-to-face and address issues in more depth.

During the 2012 Awards Banquet at the 53rd Annual Meeting, Cathy Key, Shirley Cox, Shirley Johnson, Jaime Vidaurre-Henry and Kaoru Naito were introduced as the newest Fellows. The Fellows Luncheon held during the Annual Meeting in Orlando provided an opportunity to personally congratulate the newest Fellows who were warmly greeted by those in attendance. Twenty five Fellows along with INMM Officers attended the luncheon. The luncheon provided a forum for catching up and reminiscing about INMM as well as a very lively discussion which focused primarily on current issues facing the Executive Committee; opportunities to increase the Institute's visibility and value to international members and chapters; new initiatives that could be coordinated with the Strategic Planning Committee; proposed modifications to the Annual Meeting format; and student membership retention.

The annual solicitation for nominations for the advancement to the grade of Fellow was distributed to Chapter Presidents and all of the Fellows in February, 2013. Subsequently, the Fellows Committee reviewed the nomination material received from Secretary Picket and forwarded a recommendation to the EC for final disposition. The annual solicitation of nominations will continue to be transmitted to the Chapter Presidents and Fellows, but the Committee appreciates the membership's interest in the nomination process and continues to encourage the submittal of nominations following the established protocol.

The Fellows plan to meet in conjunction with the Annual Meeting in Palm Desert, California to discuss industry-wide issues, Executive Committee items, and INMM business in general. Agenda items will be solicited prior to the meeting and any issues or topics from the EC will be welcome.

JNMM REPORT TO THE MEMBERSHIP*Dennis Mangan, Editor*

The Journal of Nuclear Materials Management continues to progress. Due to the efforts of many people, the Journal currently has a number of papers in various stages of peer review. Our thanks to all who made this possible.

As is traditional for *JNMM*, the Fall 2012 issue focused on our Annual Meeting held July 2012. With the passing of our Technical Program Committee Chair, Charles Pietri, this 53rd INMM Annual Meeting was chaired by the interim-chair of the TPC, Stephen Mladineo, who in that issue provided a very informative summary of the meeting. The opening plenary, organized by the Japan Chapter, focused on *Post-Fukushima Challenge in Safeguards and Security*. There are three papers provided that summarize this opening session: *Great East Japan Earthquake, Tsunami, and Fukushima Daiichi's Accident*, presented by Yoshinori Meguro, President of the Japan Chapter; *Overview of the Accident at Fukushima Daiichi Nuclear Power Station and the Process for Achieving Stabilization*, presented by Takeshi Ohta, from the Tokyo Electric Power Company; and *Lessons Learned from the Accident at the Fukushima Daiichi Nuclear Power Station: Nuclear Security Perspectives*, presented by Kaoru Naito of Japan's Nuclear Material Control Center in Tokyo. Our *JNMM* Roundtable discussion, also included in this issue, involved interviewing the above three Japanese gentlemen. Also included were the student paper winners, a book review by Mark Maiello, and an article by Jack Jekowski. This issue was 58 pages.

The Winter 2013 issue consisted of an In Memoriam for Edway R. Johnson who passed away November 28, 2012, and three papers that were submitted and underwent peer review. This 42-page issue also included a book review by Mark Maiello, and an article by Jack Jekowski.

The Spring 2013 issue of the *Journal* was only 24 pages long, and included two peer-reviewed articles, a book review by Mark Maiello, and an article by Jack Jekowski.

The Summer 2013 issue of *JNMM* is a special issue. Its topic "Supporting the Safe Interim Storage of High-Level Nuclear Wastes Through Science and Engineering" and this issue was coordinated by the Packaging, Transportation and Disposition Technical Division and Bruce Wiersma of Savannah River National Laboratory, Aiken, South Carolina, USA. This issue of the *Journal* consists of 116 pages and it will be distributed at the July 2013 Annual

Meeting and the August 2013 PATRAM Symposium in addition to being mailed to our members and subscribers. It required a tremendous amount of additional work by everyone involved in its production, from headquarters staff, to the technical editors and reviewers. Our thanks to everyone who helped produce this issue. We feel it is an excellent addition to the record of the *Journal*.

Mark Maeillo, of Pfizer, is our Assistant Book Review Editor. Mark has been contributing excellent book reviews for quite some time, and continued his excellent reviews during the past year.

Each issue of the *Journal* has included an interesting column by Jack Jekowski, who is also chair of the INMM Strategic Planning Committee. His thoughtful pieces have been an excellent addition to the *Journal* and we look forward to what he will write next.

We developed a *JNMM* policy paper on "Special Issues," such as the Summer 2013 issue. This policy paper is now official as it has been endorsed by the INMM Executive Committee. The policy is available on the *JNMM* section of the INMM Web site.

The *JNMM* editorial staff has also prepared a proposal to publish the *Journal* electronically to reduce costs. This concept has been discussed at the last couple of EC meetings. At the 2013 Annual Meeting there will be a booth in the exhibit hall area with a demonstration of the electronic version of the Summer *JNMM*.

We invite your comments and suggestions for the *Journal*.

MEMBERSHIP COMMITTEE REPORT*Albert Garrett, Chair*

Since the March 2013 INMM EC meeting, the Membership Committee has reviewed and recommended approval of 50 regular member, 1 sustaining and 34 student member applications.

In addition, the Membership Committee reviewed 10 applications for INMM Senior Membership and provided recommendations to the INMM Executive Committee. Of the original field of 10 applicants, the EC has approved 8 as new Senior Members, they are listed below. These new Senior Members will be recognized during the annual INMM business meeting July 16th in Palm Desert, CA.

- Jeff Allender
- Melvin Feather
- John Feng
- Thomas Grice
- Yoshinori Meguro
- Naoki Miyamoto
- Masao Senzaki
- Keith Tolk

Please make a point of welcoming all new Members, Student Members, and Sustaining Members at the annual meeting July 15-19, 2013 in Palm Desert. In addition, get to know all the Sherwood staff who work tirelessly behind the scenes to ensure we have an excellent time at the annual meeting.

Membership Recap

Current membership statistics are shown in the table below, along with previous years for comparison.

Member Type	June 2013	March 2013	March 2012	March 2011	March 2010	March 2009
Regular	924	874	813	846	812	862
Fellow	24	24	23	23	23	21
Emeritus	7	7	8	11	10	10
Senior	102	102	95	92	89	85
Senior Emeritus	8	8	6	7	7	8
Sustaining	37	36	40	33	34	33
Fellow Emeritus	13	13	9	7	6	6
Honorary Member	3	3	3	3	2	2
Life Fellow	1	1	2	2	2	2
Student	188	154	129	86	71	83
Total Members	1305	1153	1043	1109	1057	1112

STRATEGIC PLANNING COMMITTEE*Jack Jekowski, Chair*

The current Membership on the Committee includes:

Name	Title/Affiliation
Arden Dougan	SNM Movement Tech Advisor; NNSA
Franklin DuBose	Senior Scientist; Savannah River Nuclear Solutions
Jeff England	Program Manager; Savannah River Nuclear Solutions
Jack Jekowski, chair	Principal Partner; Innovative Technology Partnerships LLC
Geneva Johnson	Global Nuclear Security; Oak Ridge National Laboratory
Christian (Chris) Kessler	U.S. Department of State, retired
Bill Knauf	President; Advanced Insights Group
Dennis Mangan	Sandia National Laboratories, retired
Susan Pickett	Safeguards Training Officer; IAEA
Therese Renis	Vienna Chapter President; Section Head, Concepts and Approaches IAEA
James W. (J.R.) Russell	Manager for International Nonproliferation; NSTec
Emily Saunders	PhD Candidate; Claremont Graduate University
Grace Thompson	International Nuclear Monitoring & Transparency; SNL
Susan Voss	President; Global Nuclear Network Analysis, Inc.
Steven Ward	MC&A Engineer; Entergy

The Purpose of the Strategic Planning Committee, as identified in the Institute's planning documents is:

The Strategic Planning Committee will assist the Executive Committee in performing both short- and long-term analysis of the effectiveness of the Institute for Nuclear Materials Management (INMM). The Committee will conduct ongoing strategic planning and respond to initiatives requested by the Executive Committee to ensure that the organization is effectively meeting the needs of the professional nuclear materials management community. The Executive Committee will appoint a Chair of this

Committee, who will then select volunteers to serve on the Committee and assist the Chair.

Accomplishments and Highlights of Committee Activities 2012 – 2013

1. **Organization chart.** Updated versions of the organization chart were provided during the year to INMM Headquarters for posting on the INMM website. The most current version, dated March 6, 2013 is provided in Attachment 1. The chart reflects minor changes since the last EC meeting in early March. This chart does not reflect the anticipated change in leadership of the International Safeguards Division from Jim Larrimore to Mike Whittaker at the July Annual Meeting.
2. **Fellows Future Projects and Revenue Generating Matrix.** At the 53rd Annual Meeting, the INMM Fellows Committee agreed to solicit input on possible future "investment" projects that could enhance the role and impact of the Institute. The Committee took this diverse information as an abbreviated "strategic environmental scan" and put it into a strategic construct that also looked at revenue generating ideas. The resulting matrix of 20 ideas, roughly prioritized based on a subjective analysis of various factors, was sent to the EC in late March, following a review at the Atlanta EC meeting in early March; and the president subsequently tasked the Operations and Management Oversight Chairs to look at possible opportunities for their respective Committees to tackle these suggestions. Further discussions will be held at the Annual Meeting in Palm Desert this July.
3. **Collaboration Matrix.** A survey of Institute Leadership has identified existing collaborations with 17 organizations that have similar missions to the Institute, as well as 37 "targets of opportunities" with additional entities that may have similar interests to the INMM. The matrix was updated at the March Atlanta EC meeting, to include the name of the highest level of management at each organization, along with their contact information, as well as a point of contact (POC) at the INMM. Named POCs at the Institute were requested to assist in the establishment of contacts with their respective organizational entities, and the list will also serve INMM Headquarters as a resource for invitation to the Annual Meeting, potential advertisers

STRATEGIC PLANNING COMMITTEE (CONT.)

in the JNMM and other collaborative opportunities. The list is expected to serve as a resource to future collaborative strategic engagements that would help achieve the goals of the Institute and strengthen its stature in the international community.

4. **Mission Alignment Matrices.** In an effort to assist Institute leadership in discussions with DOE and NNSA senior management to elicit support for the Institute's Annual Meeting, the Committee assembled two documents that show the alignment of the Institute's Mission elements and Technical Division activities with the Mission and Goals of the Department of Energy (DOE) and the National Nuclear Security Administration (NNSA), two organizations who provide significant support and expertise to our Annual Meeting and Workshops. In the construction of the alignment matrix for DOE, a map of DOE/NNSA facilities was overlaid on the Institute's U.S. Chapters to demonstrate how the regional nature of the Institute's Chapters provides a venue for collaborations.
5. **Create a two slide overview on INMM strategic planning efforts.** A two slide overview was provided to the EC for review and comments the end of May as requested – see Attachment 2.
6. **Taking the Long View Industry News Column.** Four Industry News columns during this period were provided for the Journal of Nuclear Materials Management (JNMM):
 - *Taking the Long View in a Time of Great Uncertainty: INMM's International Role – (Fall of 2012).* This column reprised the 53rd Annual Meeting, reflecting on the growing engagement the Institute has with the International nuclear community and the pivotal role the Institute has in helping to solve the complex problems of the 21st Century.
 - *Taking the Long View in a Time of Great Uncertainty: Challenges and Opportunities Ahead – (Winter 2013).* This column reflected on the more than five decades of contributions made by the Institute, and highlighted the strategic objectives of the five Technical Divisions and the challenges that lie ahead for the Institute, including dealing with the U.S. restrictions placed on conferences and workshops.
 - *Taking the Long View in a Time of Great Uncertainty: Readjusting Priorities – (Spring 2013).* This column revisited and updated the

“Externalities” analysis that was done two years ago by the Organizational Strategic Planning Working Group. That analysis is reflected in the Strategic current events impacting the Institute today below.

- *Taking the Long View in a Time of Great Uncertainty: As the World Turns...Toward a More Dangerous Place - (Summer 2013).* This column, released in the JNMM edition available at the Annual Meeting, reflects on the dramatic events unfolding in real time today that impact the strategic environment for the Institute, both positively and negatively. It also lays the groundwork for collaborations in the future, particularly internationally, to enhance the influence and effectiveness of the Institute.

As a result of feedback on the recent columns, the Strategic Planning Committee is coordinating with the International Safeguards Division to host a special meeting of Committee and invited ISD members at the Annual Meeting to review the complex world environment, and discuss how the Committee and the Institute can be more inclusive of our international membership in the development of long range strategies.

Planned actions for 2013-2014:

- Identify additional Committee members to fill the five vacant positions on the Committee, focusing on increasing representation from the International Chapters.
- Work with the EC and Leadership to develop the Roles, Responsibilities, Authorities and Accountabilities (R2A2) of each position on the Functional Organization chart in collaboration with the Bylaws Committee.
- Assist members of the EC and others in the development of strategic relationships with similar-missioned organizations identified on the Collaboration Matrix.
- Work with various Committees and individuals to further develop opportunities to enhance the revenue of the Institute and mitigate the impact of the U.S. restrictions on conferences and workshops.

STRATEGIC PLANNING COMMITTEE (CONT.)

- Work closely with the Student Activities Committee and its chair, Steve Ward, to identify strategic issues with respect to engaging the next generation of Institute membership.
- Work more cohesively as a Committee to develop topics for the Industry News “Taking a Long View” column, and provide feedback to the EC on critical events and their strategic implications to the Institute.

Strategic current events impacting the Institute today:

International

- **Iran.** The international community continues to struggle with Iran’s expansion of its nuclear programs in defiance of international sanctions.
- **North Korea (DPRK).** North Korea has tested a third nuclear test at the Punggye-ri nuclear test site, and has openly threatened the U.S. and North Korea with nuclear war.
- **Middle East Instability.** The continued unrest in the Middle East presents unique challenges to the world as these countries work to create stable governments during the period following the “Arab Spring”.
- **Nuclear Renaissance and the Middle East.** Although some countries have decided to forgo nuclear power in the light of the Fukushima accident of 2011, the United Arab Emirates is currently building four nuclear reactors, and Saudi Arabia announced last year they plan to build up to 16 reactors at an estimated cost of over \$100B.
- **India-Pakistan Relations.** Tensions between these two nuclear armed nation states rise and fall, as Pakistan continues to block consensus at the United Nations Conference on Disarmament (CD) toward a fissile material cutoff treaty (FMCT).
- **U.S. – Russian Relations.** Although the reelection of President Obama may open the door for additional arms control discussions, Russia continues to cite the need for reliance on its nuclear deterrent, while the U.S. continues to de-emphasize the role of the nuclear stockpile in its national security strategy. How these differences are resolved in a more complex global environment, where nuclear technology and knowledge is expanding, will be a significant challenge.
- **Rise of People’s Republic of China (PRC).** China’s rapid rise as a global economic and military power continues, as new issues, including territorial disputes, complicate relationships.

- **Spread of Terrorist Networks.** The past year has seen the rise of terrorist networks in new areas of the world, including North Africa. These non-state networks continue to seek nuclear materials for the purpose of achieving their goals.

U.S.

- **The re-election of President Obama.** There is speculation that in his second term the President will have “more flexibility” in negotiating global agreements. In addition to the impending release of the long-anticipated Nuclear Posture Review Implementation Study (which many believe will include the proposition of reducing nuclear stockpiles to a 1,000 weapons or less), the confirmation of former Senator John Kerry to Secretary of State, and former Senator Chuck Hagel as the Secretary of Defense are aligned with President Obama’s concept of a new International Order, and the reduction in the reliance on the nuclear deterrent in the U.S.
- **National Security Strategy.** The confirmation hearings for Senator Hagel gave significant publicity to the Global Zero movement and more specifically, his co-authorship of a seminal report on the U.S. Nuclear Stockpile sponsored by that organization. With the confirmation of Secretary of Energy, Dr. Ernest Moniz, President Obama has created a “dream team” cabinet (State, Defense and Energy) in his second term to help with the implementation of the long range vision set in his historic Prague Speech on April 5, 2009.
- **The new Strategy for the Management and Disposal of Used Nuclear Fuel and High-Level Radioactive Waste.** Based on the Blue Ribbon Commission report recommendations, a new estimated opening date for a geological repository is 2048. During his confirmation hearings, Dr. Moniz reminded Committee members that he was a participant in the Blue Ribbon Commission, and would be attentive to working on this issue.
- **The negotiations on the U.S. budget deficit.** The issues associated with the “fiscal cliff” loom large over the future of the U.S. Defense establishment, and the overall economic well-being of the country; and in particular, the investments that will be made in the National Laboratories and the Nuclear Security Enterprise.

INMM STRATEGIC PLANNING COMMITTEE (CONT.)

U.S. Nuclear Security Enterprise

- **Key personnel changes.** The departure of Tom D'Agostino, who led NNSA for more than five years, and the more recent resignation announcement of the Acting Administrator, Neile Miller portend significant changes in the NNSA over next four years, amid Congressional action to establish a task force for the examination of the structure and reporting relationship of organization (the "Congressional Advisory Panel on the Governance of the Nuclear Security Enterprise").
- **Continuing challenges.** Dramatic changes within NNSA as a result of the Y-12 security incident; a new era in contracting with the combining of major Management and Operating (M&O) contracts; and continuing issues with the status of major nuclear facility projects, all contribute to uncertainties in the future direction of the Nuclear Security Enterprise.

INMM

The INMM itself faces "history in the making" as it attempts to adapt to this dramatically changing international and U.S. environment:

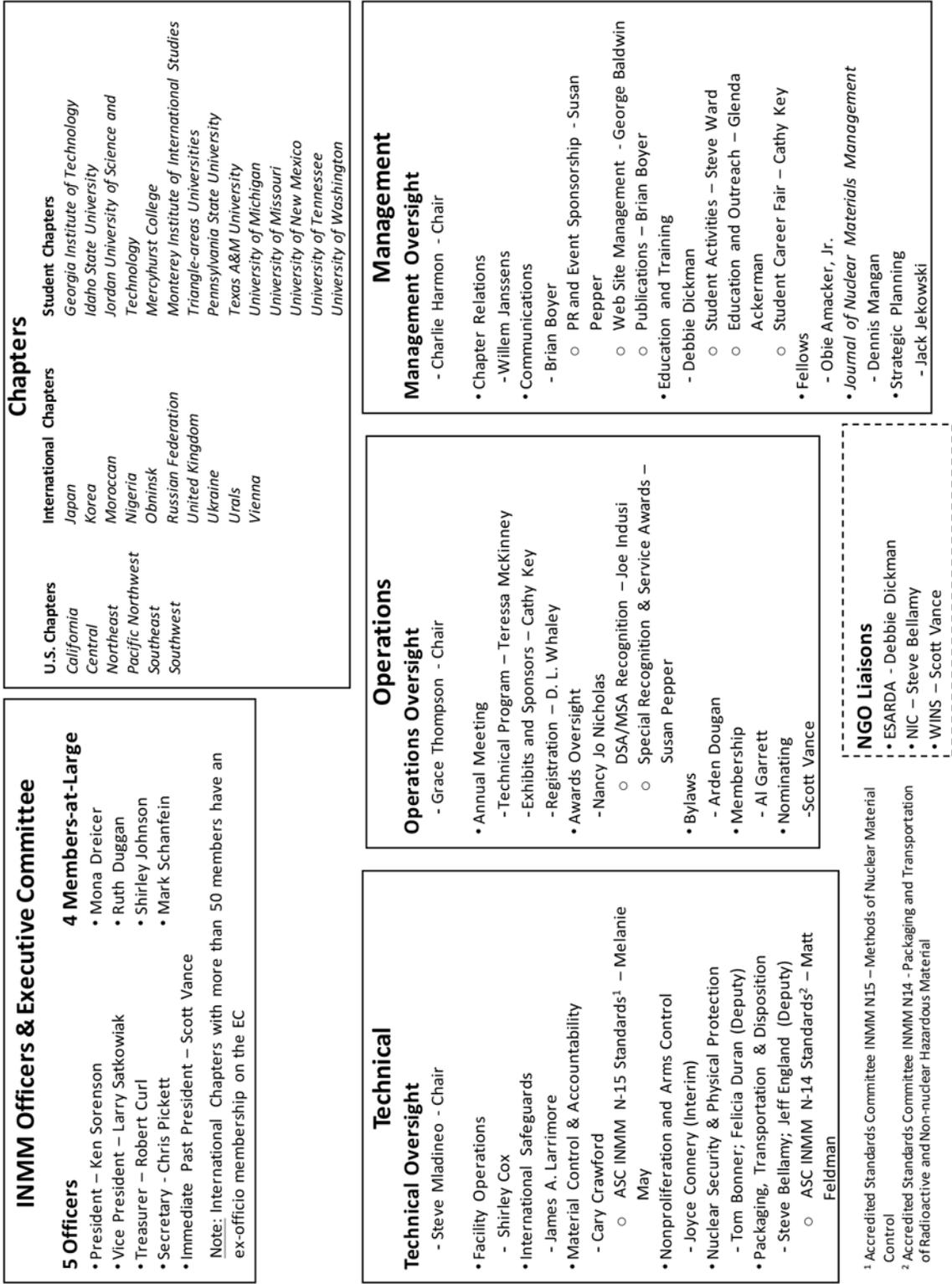
- **Conference restrictions.** The restrictions placed on U.S. federal agency participation in scientific and technical conferences and workshops have not only had a negative impact on the technical collaborations that are so important to the core mission of the Institute, but since the Annual Meeting is the primary source of revenue for Institute activities, have the potential for adversely impacting the Institute's finances.
- **International tensions.** Continuing challenges with nuclear proliferation and global terrorism could hamper important collaborations associated with the nuclear renaissance.
- **The uncertain future of the U.S. Nuclear Security Enterprise (NSE).** This could create distractions that would negatively impact Workshops and other Institute activities sponsored by the NSE.

Attachment 1: Draft Organizational Structure – With Names



INMM Functional Organization Structure

6-3-13



¹ Accredited Standards Committee INMM N15 – Methods of Nuclear Material Control
² Accredited Standards Committee INMM N14 – Packaging and Transportation of Radioactive and Non-nuclear Hazardous Material

Attachment 2: Two slide overview on INMM strategic planning efforts


INMM Strategic Planning Concepts

- Identify “Externalities” that may impact the mission of the Institute
 - International
 - U.S./U.S. Nuclear Security Enterprise
 - Institute specific
- Engage membership in strategic discussions
 - Use “Taking the Long View” JNMM column to challenge membership in addressing impact of Externalities
 - Work with Oversight and Committee Chairs to promote strategic discussions
- Strengthen international relationships and participation
 - Collaborate with the International Safeguards Division
 - Expand membership on Committee to include non-U.S. participants
- Ensure participation of Next Generation members
 - Work with Student Activities and Chapter Chairs to engage the youth of the Institute in strategic discussions

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INMM Strategic Planning Efforts

- Current Strategic Planning Committee efforts:
 - Maintain organization chart and assist with the definition of Roles, Responsibilities, Accountabilities and Authorities (R2A2)
 - Publicize the new organization and work with the EC to clarify R2A2 where necessary
 - Identify future projects and revenue generating opportunities
 - Work with the Fellows Committee and the EC
 - Identify organizational entities that may offer collaborative opportunities
 - Maintain Collaboration Matrix and points of contact
 - Support EC efforts to strengthen the awareness in DOE of the Institute’s mission alignment to minimize impact of conference restrictions
 - Support the JNMM “Taking a Long View” Industry News Column
 - Provide a forum for discussions of “Externalities” impacting the Institute
 - Challenge the membership to think strategically and actively engage in support of the Institute’s mission
 - Support special assignments by EC

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CHAPTER REPORTS

CALIFORNIA CHAPTER

Justin Reed, Chapter President

Officers and Executive Committee Members:

President:	Justin Reed
Vice President:	Mark Mount
Secretary/Treasurer:	Greg White
Member at Large:	Scott Kiff
Member at Large:	Kareem Kazkaz
Member at Large:	Jonathan Pearl
Past President:	Rusty Babcock

The INMM-California Chapter held executive committee elections in October 2012. The INMM California Chapter continues to host monthly or semi-monthly social activities. The California Chapter will experience some leadership changes in the near future: Chapter President Justin Reed will be taking a leave of absence from LLNL and is leaving California for the time being, and Chapter Vice President Mark Mount is retiring from full-time work at LLNL. We will update the INMM EC when we have identified our next steps.

CENTRAL CHAPTER

Shirley Cox, Chapter President

The INMM Central Region Chapter (CRC) has had an interesting and challenging year with several changes in our Executive Committee due to our Vice President, Ana Raffo- Caiado accepting an exciting new professional challenge with the International Atomic Energy Agency (IAEA) in Vienna. The CRC is fortunate to have qualified and willing members to step up and fill vacancies as needed and appointed.

Our Chapter has focused on students this year and participated in events to attract students, including those working on advanced degrees, into the nuclear and science fields. The CRC President represented our Chapter at such an event at the University of Tennessee (UT) in Knoxville, Tennessee this Spring where 30 students pursuing their Masters' Degrees were recruited from universities throughout the U.S. for a visit to the UT campus for several days to not only see the University, but also see the community and even tours of the Oak Ridge National Laboratory took place.

Again this year, our CRC elected to provide financial assistance to students to assist with their participation in the 2013 INMM Annual Meeting. The criteria for applying for this assistance included the student having an accepted paper and proof of registration for the Annual Meeting. Our

Executive Committee had elected to support \$1500 for each of the three students awarded the stipend. The stipends will be presented to the students at the CRC meeting to be held during the week of the Annual Meeting.

Additionally, our Chapter has supported several local charity events: one being a local club for girls interested in science, called the Science Club, with a \$100 donation to help support their next science fair to be held in October 2013 and also the Knox Area Rescue Ministry annual dragon boat festival which is a huge fundraising event to the area. Several of our members are on an all-woman team.

The CRC is pursuing opportunities to develop and engage in additional joint ventures with the American Nuclear Society and Women In Nuclear. A strategy meeting is being planned by the three organizations to move forward ideas developed.

A Fall meeting and combined social are being planned for late September or early October. Speakers are currently being solicited for the meeting and plans should solidify soon.

CENTRAL CHAPTER (CONT.)

CRC Executive Committee elections are underway for the new INMM year which includes opportunities for a new President, Vice President, Secretary, Treasurer and two Member-At- Large positions. Our Chapter is excited to offer these positions and opportunities for our membership to grow and is currently soliciting nominations from our membership.

Shirley Cox, President
Bill Brosey, Vice President
Peggy York, Treasurer
Jason Roback, Secretary

Teresa McKinney, Immediate Past President
Howard Hall, Member-At-Large
Morris Hassler, Member-At-Large
Joe Stainback, Member-At-Large
Jessica White-Horn, Member-At-Large

NORTHEAST CHAPTER

Houston Wood, Chapter President

The NE Chapter Executive Committee members are the following:

Office		Term Ending
President	Houston Wood III	October 2013
Vice President	Steven Ward	October 2013
Secretary	Charles D. Harmon	October 2013
Treasurer	Joseph Glaser	October 2013
Member-at-Large	Deno Photinakis	October 2013
Member-at-Large	Joe Rivers	October 2013
Member-at-Large	Melvin Feather	October 2014
Member-at-Large	Sarah Poe	October 2014
Immediate Past President	James Lemley	October 2013

The Treasurer's Report for the period 1 October 2012 through 31 May 2013 reflects a cash balance of \$7,569.02.02.

The Northeast Chapter was represented at both the Technical Program Committee (TPC) and Executive Committee (EC) meetings held in Atlanta on 05-06 March 2013. The TPC reviewed over 580 Abstracts and organized them into individual sessions for the Annual Meeting. The EC focused on concerns for potential reductions in attendance from US Government sponsors and discussed various suggestions on how to minimize the impacts of recent conference attendance restrictions.

The Northeast Chapter continues to conduct monthly Executive Council Meetings via teleconference. The approved minutes from the latest meeting are posted to the Chapter Web Site. The Chapter's Executive Committee plans to meet on Tuesday, July 16th at the JW Marriott Desert Springs concurrently with the 54th Annual Meeting of the INMM

The Northeast Chapter will hold its Annual Membership Meeting on Wednesday, July 17th at the JW Marriott Desert Springs concurrently with the 54th Annual Meeting of the INMM. The location of the meeting will be posted on the Message Board in close proximity to the Registration Desk.

The Northeast and Southwest Regional Chapters will hold their annual Mixer in the Canberra Hospitality Suite on Wednesday evening, July 17th at the JW Marriott Desert Springs immediately after the Chapter Meeting. The

location of this event will be posted on the Message Board in close proximity to the Registration Desk.

The Chapter continues to pursue Student Chapters with both Georgetown University for the greater Washington, DC area and Rensselaer Polytechnic Institute (RPI) in Troy, NY. Georgetown has submitted their draft Chapter Bylaws and is currently pursuing the requisite Student Chapter Membership for establishing their Charter. Rensselaer Polytechnic Institute is preparing their draft Chapter Bylaws and is expected to submit them this spring.

The Northeast Chapter and George Washington University's Elliott School of International Affairs co-hosted the *7th Annual Workshop on Reducing Risk from Radioactive Materials – Implementing Nuclear and Radiological Security Culture*, which was held at the Elliott School of International Affairs in Washington, DC on 02-03 April 2013. The workshop attendance included over 30 participants from 5 countries that represented academia, government, industry, national laboratories, and training centers. The individuals engaged each other on the subjects of Regulatory Frameworks, Performance Testing, Security Culture, and Human Capacity Building in Security. All of the participants indicated that they gained understanding and actionable measures from the presentation and their participation in working group activities.

The NE Chapter held its first lunch time 'Brown Bag' meeting at Sandia National Laboratories' L'Enfant Plaza conferencing facilities in Washington, DC on 11 April 2013. The meeting was attended by 17 participants representing DOE, other US Government and non-US Government organizations. Steve Mladineo made a presentation on Safeguards Security Culture, which was well received and generated several during the Q&A period and continuing after the meeting adjourned. We are planning to hold a second lunch time meeting in October and continue into next year with meetings in the April and October timeframes.

PACIFIC NORTHWEST CHAPTER
Glenda Ackerman, Chapter Secretary/Treasurer

The PNW Chapter hosted a meeting on June 4, 2013 at the Meadow Springs Country Club in Richland, WA. Our guest speaker that evening was Mr. Robert Williamson, Senior Facilities Manager, United Kingdom's National Laboratory who was visiting our area. Mr. Williamson spoke to us about the changes occurring at the UK National Laboratory and a look into its future. It was quite interesting to hear about their ups and downs and how they see the Laboratory progressing.

The Chapter is hosting another meeting on June 20, 2013. This meeting will be held at the new Gordon Estate Wine Bar and Bistro in Pasco, WA. We have scheduled this meeting to take advantage of Ms. Shirley Johnson, Tucker Creek Consulting's visit to the Laboratory this week. Ms. Johnson will be speaking about the IAEA and its work in the area of international nuclear safeguards, with a "peak" into how IAEA inspectors monitor the non-proliferation treaties around the world. Shirley will discuss her path to becoming an IAEA safeguards inspector and some of her experiences around the world, including Iraq. She will also provide suggestions of actions that those interested in working for the IAEA might take to become better qualified and to put the IAEA into their career plan. The Chapter is focusing on reinvigoration of its membership through engaging early career professionals; a talk such as this is expected to increase the interest level of potential member.

To iterate, a priority of the PNW Chapter is to consider alternate ways to engage the broader student population through the existing student chapter at University of Washington and other colleges and universities in our

region (Washington, Oregon and Idaho). The Chapter, as a result of the meeting with University of Washington Student Chapter members in February of this year, is still in the planning stages of a possible student workshop in late 2013 or early 2014 and areas of discussions for that workshop. The Chapter engaged with faculty of the Nuclear Engineering and Radiation Health Physics Department and the Director of the Public Policy Graduate Program at Oregon State University, and initiated the cooperation towards a visit by the Chapter to the school this fall in order to explore and generate interest in INMM. In addition, the Chapter is also working with the INMM Education and Training Committee to financially support two University of Washington Student Chapter officers to attend the annual meeting next month.

Financial Report: Current available Chapter funds are \$13,899. Current officers remain:

President – Doug Trout, PNNL

Vice President – Sarah Frazer, PNNL Secretary/Treasurer –
Glenda Ackerman, Dade Moeller

Members at Large – Roberta Burbank, PNNL

Skip Kerschner, PNNL Jason Shergur, PNNL

Immediate Past President – Cary Crawford, PNNL

SOUTHEAST CHAPTER

Steven B. Wyrick, Chapter President

The Southeast Chapter Executive Council Meeting was held in Aiken, SC on May 30, 2012.

Attendees: Steve Wyrick, Kerry Dunn, Paul Ebel, Glenn Abramczyk, Steve Bellamy, Rick Poland, & Bradley Loftin

The Meeting was called to order by the SE Chapter President, Steve Wyrick.

The Treasurers Report was given by Bradley Loftin. Although the exact amount was not available, Mr. Loftin report approximately \$3000 available in the SE Chapter free checking account at the time of the meeting.

OLD BUSINESS:

There was no old business for discussion.

NEW BUSINESS:

The first topic was the status of the DOE waiver for attending the 2013 INMM Meeting in July. At the time of the meeting, Savannah River National Laboratory had 23 abstracts approved from 23 presenters. Since this meeting, the waiver was signed by DOE Secretary Moniz. SRNL is processing the approval authorizations for potential attendees. We need to find alternate presenters for those who cannot travel or are not approved for travel.

The annual Southeast Chapter Meeting is scheduled to be held during the National Meeting on Tuesday, July 16 at 12:00PM. Logistics will be communicated when they become available. The agenda for the meeting will be finalized prior to the Annual Meeting and communicated to the Southeast Chapter.

The next topic of discussion centered on the 2014 INMM National Meeting to be held in Atlanta. This is an excellent

opportunity for Southeast Chapter participation. This will be discussed at the Southeast Chapter Meeting in Palm Desert. We need to focus on involving the student chapters. The possibility of setting up a tour at Georgia Tech was discussed as they recently implemented a new student chapter. Another idea was to use Southeast Chapter funds to set up a mixer to market the chapter activities and possibly solicit sponsorship from other organizations in the southeast. Rick Poland volunteered to speak to contacts at southeast organizations, such as NRC in Atlanta, to discuss interest in potential sponsorship for next year's meeting.

Several presentations were organized by Southeast Chapter Executive Committee members:

- Paul Ebel spoke at the North American Young Generation in Nuclear (NAYGN) Meeting in Washington DC, on May 12, 2013.
- Steve Wyrick presented topics at Georgia Tech in April and at North Carolina State University in March.

The next topic centered on Southeast Chapter Executive Committee elections in October, 2013. This will be discussed at the Southeast Chapter Meeting in July to define the logistics. Nominations will be accepted through July 31st and voting will occur in August. Results will be collected and announced by September 15, so the new officers will start their duties in October.

Opportunities for the SE Chapter to have a presence at the October 15-16, 2013 INMM Risk Informed Security Workshop were discussed.

The date for the next EC meeting will be set after the SE Chapter meeting at the Annual Meeting. The EC meeting was adjourned.

SOUTHWEST CHAPTER

Markku Koskelo, Chapter Secretary

The FY13 Executive Committee of the Southwest Regional Chapter is as follows:

President: .R. Russell, Nevada National Security Site

Vice President: Felicia Durán, Sandia National Laboratories

Secretary: Markku Koskelo, Aquila Technologies

Treasurer: Jennifer Doering, Nevada National Security Site

Members at Large: Anastasia Ahumada, Nevada National Security Site
Jeremy Banks, Sandia National Laboratories
Jack Jekowski, Innovative Technology Partnerships, LLC
Carolynn Scherer, Los Alamos National Laboratory

Communications: Scott Kraus, Aquila Technologies

Student Liaison: Keith Tolk, Milagro Consulting

Past President: Brian Boyer, Los Alamos National Laboratory

Activities this Fiscal Year:

1. The SW Chapter held its first Executive Committee meeting of this year on October 12th at the offices of Aquila Technologies in Albuquerque. The Committee reviewed the SW Chapter activities from the past year and discussed plans for 2013, including our Annual Winter Dinner Meeting, January 2013.
2. The Southwest Regional Chapter participated in a joint dinner meeting with the American Nuclear Society's Trinity Section on November 2, 2012 at the Santa Fe Marriott Courtyard. The talk was entitled "Weathering the Perfect Storm: Implications of 2012 Events on the Nuclear Security Enterprise." The speaker was Jack Jekowski of Innovative Technology Partnerships; he is a SW Regional Chapter Executive Committee member.
3. The SW Chapter held an Executive Committee meeting on November 16, 2012 at the offices of Aquila Technologies in Albuquerque. The Committee reviewed the SW Chapter activities, mainly focusing on finalizing arrangements for the Annual Winter Dinner Meeting scheduled for January 11, 2013 and the university student tours at Sandia National Laboratories, Albuquerque, NM, January 10th and at Los Alamos National Laboratory, Los Alamos, NM, January 11th.
4. The SW Chapter held its Annual Winter Dinner Meeting in Santa Fe on January 11, 2013. Instead of our usual single keynote speaker, we arranged for a panel discussion with Dr. Raymond J. Juzaitis, President of National Security Technologies, LLC (NSTec), in Las Vegas, Nevada; Dr. Terry C. Wallace, Principal Associate Director for Global Security (PADGS) at Los Alamos National Laboratory; and Dr. Rodney K. Wilson, the Director of the Nonproliferation and Cooperative Threat Reduction Center at Sandia National Laboratories. The panel addressed a prepared assortment of questions on attending national meetings, such as INMM, and current nonproliferation concerns. Sixty-one people attended the dinner.
5. The SW Chapter conducted tours for University of New Mexico students at Sandia National Laboratories, hosted by Felicia Durán on Thursday, January 10th, and at Los Alamos National Laboratory, hosted by Carolynn Scherer on Friday, January 11th. This event was held in conjunction with the SW Regional Chapter Annual Winter Dinner.
6. The Southwest Regional Chapter made plans to participate in the School to World event scheduled for February 2013, however, the organizer had to cancel the event.
7. The SW Chapter supported, through member participation, the 7th Annual Workshop on Reducing the Risk from Radioactive and Nuclear Materials, 2-3 April 2013 in Washington, DC.
8. The University of New Mexico student chapter officers have changed several times during the academic year 2012-2013. The current President is Arnika Chidambaram (achidamb@unm.edu) and the Treasurer Danielle Redhouse (dancired@gmail.com). A Sandia tour was organized for the students on May 15, in conjunction with the Annual Taos Meeting where 6 students from UNM participated. Nevertheless, the student chapter has become much less active than in the past and the SW Chapter is looking for ways to re-activate it.

SOUTHWEST CHAPTER (CONT.)

9. The Texas A&M University student chapter organized a trip the week of May 20 with tours at the Urenco plant, WIPP, and Sandia. The officers for the academic year 2013-2014 are President: Nick Quintero (nickaquintero@gmail.com), Vice President: Robert Zedric (r.zedric@gmail.com), Treasurer: Steve Gerlt (stephengerlt@hotmail.com), Secretary: Jennifer Erchinger (jennifer.erchinger@gmail.com). To contact any officer email: inmm@ne.tamu.edu.
10. The SW Chapter Executive Committee met in person and via a conference call on January 25, 2013, at the offices of Aquila Technologies, and on April 12, 2013 at the Southwest Desert Institute in Las Vegas, Nevada, primarily to plan the Annual Spring Technical Exchange in Taos, New Mexico on May 16, 2013.
11. The SW Chapter hosted its 15th Annual Technical Exchange at the Kachina Lodge in Taos, NM on May 16, 2013. Those attending the event included the current and past president of INMM, most of the Executive Committee of the SW Chapter, students, representatives from industry, Los Alamos and Sandia National Laboratories, and the Nevada National Security Site. The attendees (25 in total) heard ten excellent presentations.

JAPAN CHAPTER

Takahiko Ito, Chapter President

1. Officers and Executive Committee Members (as of the end of May 2013)

President:	Takahiko Ito
Immediate Past President:	Yoshinori Meguro Vice
President:	Kaoru Naito
Secretary:	Takeshi Osabe
Treasurer:	Kazushi Taniguchi
Members-at-Large:	Kazunori Fujimaki
	Tomohiko Kita
	Manabu Masuda
	Tetsuzo Oda
	Masao Senzaki
	Katsuyuki Suzuki

2. Executive Committee Meetings

The Chapter's Executive Committee Meetings were held every three months with attendance of Planning Committee's Chair, Annual Meeting Program Committee's Chair also attended when needed.

Major topics discussed were as follows and relevant decisions were made:

- FY2012 business report and financial statement;
- FY2013 business plan/financial budget;
- FY2013 Japan Chapter's annual membership due;
- Japan Chapter's 34th annual meeting program;
- Amendment of Japan Chapter's Bylaws;
- Amendment of Japan Chapter's Operation Manual
- The Chapter's 2012 distinguished service awards;
- Future collaboration activities with the Korean Chapter;
- Issuance of Chapter's Nuclear Materials Management Bulletin-3rd issue.

3. Annual Business Meeting

FY2013 annual business meeting was held on October 25, 2012, in conjunction with the 33rd annual meeting of Japan Chapter. The FY2012 business report/financial statement and FY 2013 business plan/financial budget were presented and approved at the meeting.

4. Annual Meeting

The 33rd Annual Meeting of Japan Chapter was held in Tokyo during October 25-26, 2012. Five invited lectures were conducted on the following topics:

- Safeguards Activities after East Japan Great Earthquake and Challenges to Strengthening Safeguards and Security;
- Report of the 53rd Annual Meeting of INMM;

- Seoul 2012 Nuclear Industry Summit for Nuclear Security and Safety;
- Achievement of Nuclear Security Symposium and Seoul Nuclear Security Summit;
- New Nuclear Regulation Regime in Japan.
- During this two days meeting, 31 technical papers were presented and a total of 96 persons participated.

The Chapter's 34th annual meeting is planned to be held on October 24 and 25, 2013 in Tokyo. We anticipate more than 90 participants and more than 30 technical papers presented at the meeting.

5. Japan Chapter's Workshop/Seminar

Following workshops/seminars were held since October 1, 2012 to date.

- Theme: "Current Status on Assuring Nuclear Security during Transportation of Nuclear Materials"

(This workshop was jointly conducted by INMM Japan Chapter and Nuclear Nonproliferation, Safeguards, Nuclear Security of Atomic Energy Society of Japan)

- Theme: "IAEA Nuclear Security Series No.20 "Nuclear Security Fundamentals"
- Theme: Nuclear Power Phase-out and Management of Radioactive Wastes in Germany.

6. Issuance of Nuclear Materials Management Bulletin

The 3rd issue of Nuclear Materials Management Bulletin is being prepared. The bulletin focuses on the implications of Fukushima NPP accident from safeguards, security and safety perspective.

7. Other activities

The Japan Chapter actively collaborated with Nuclear Nonproliferation Study Committee of The University of Tokyo.

8. Membership Status as of the end of May 2013

- Regular membership: 140
- *Sustaining membership: 25 organizations
- Student membership: 0

Those with are relevant only to Japan Chapter*

KOREAN CHAPTER

Dohee Hahn, Chapter President

Summary of Activities (August 28, 2012– June 14, 2013)

1. Selection of New Officers

The Korea Chapter (INMM-KC) concluded elections and announced its new officers for the 2012–2013 term. The winner received 65 out of 108 votes. The revised bylaws for the INMM-KC were also prepared and passed. The Articles of the revised bylaws were categorized under seven chapters: general provisions; membership; officers; executive committee; finance; revision of bylaws; and supplementary rules. The number of members-at-large was increased to 15, each with a two-year term of service. An audit system was also introduced.

2. Executive Committee Meetings

Two meetings were held, one on August 29, 2012 and the other on November 21, 2012. The topics discussed were as follows.

August 29, 2012

- Electing new officers for the 2012–2013 term, as the expiration of the terms of the current officers is approaching
- Setting the agenda, schedule, date, and venue for the 16th Annual Meeting of INMM-KC

November 21, 2012

- Introducing the new Executive Committee members
- Introducing the revised bylaws
- Extending support to a student research group,¹ which is within the INMM-KC scope of authority
- Scheduling the next meeting

A third meeting is scheduled to be held on July 9, 2013.

3. The 16th Annual Meeting of INMM-KC

The 16th Annual Meeting of INMM-KC was held on November 21, 2012, at the Asan Institute, Seoul, Korea, with the theme “*The Trends of International Nonproliferation and Nuclear Security.*” Approximately 100 people attended the meeting, and 26 papers were presented in both oral and poster formats. The 17th Annual Meeting of INMM-KC will be held in Daejeon in October 2013.

4. Membership Status

The total regular membership of the Korea Chapter is 91 members as of June 14, 2013.

5. Financial Status

The Korea Chapter’s balance is 8,376,417 Korean Won as of June 14, 2013.

Membership dues amounting to \$4,550 USD were wire-transferred to Headquarters on January 18, 2013.

1. This group consists mainly of students from the Seoul National University (SNU) and Korea Advanced Institute of Science and Technology (KAIST). The group leader attended the meeting and requested support from INMM-KC in their endeavor. The Executive Committee members unanimously agreed to provide such support and to discuss the details at the next executive meeting.

VIENNA CHAPTER

Therese Renis, Chapter President

This report covers the period October 2012 to May 2013. Officers of the Chapter are given in Annex 1.

On 9 October 2012 a Chapter meeting was held. New members of the Executive Committee of the Vienna Chapter were introduced and recognition given to those members who had been granted awards at the INMM Annual Meeting in July 2012. In this respect Laura Rockwood was recognised for receiving a Vincent J. DeVito Distinguished Service Award and Jaime Vidaurre-Henry being named an INMM Fellow. In addition Senior Membership Certificates were awarded to Diane Fischer, Eva Gyane and Therese Renis.



To recognise 15 years since the approval of the Model Additional Protocol by the IAEA Board of Governors in 1997 a lunchtime panel discussion on the history and implementation of the AP was held on 18 October 2012. Marco Marzo moderated a panel consisting of Rich Hooper, Laura Rockwood and Jill Cooley. The

panellists gave a fascinating insight, with many personal anecdotes, on the history and implementation of the Additional Protocol that was enjoyed by over twenty chapter members and a few guests. Rich spoke of the development of Programme 93+2 and how that evolved into the thinking on the Model Additional Protocol. Laura then gave a perspective on the development of the Additional Protocol itself and a personal insight into the negotiations and discussions that went on during the passage of the Additional Protocol through the Board of Governors. Jill then spoke of the implementation of the Additional Protocol and future challenges. The photo shows Marco introducing the panel.

The Chapter continued to have luncheons on topical issues. On 26 November 2012 Franz Kolar, Chief of the Vienna Office of the United Nations Office for Disarmament Affairs spoke about the role and mission of the United Nations Office for Disarmament Affairs. The Vienna Office, opened relatively recently in November 2011, was established in response to the growing need for cooperation in all areas of disarmament, non-proliferation and arms

control and to improve collaboration among the Vienna-based organizations and specialized agencies.

On 26 April 2013 the Chapter hosted a well-attended luncheon titled “Cooperation with State Systems of Accounting for and Control of Nuclear Material (SSACs) - perspectives and practical experiences”, which featured a panel discussion facilitated by Jill Cooley. Participants in the panel were Petra Klumpp (European Commission), Goran Dahlin (retired from Swedish Radiation Safety Authority), Craig Everton (Australian Safeguards and Non-proliferation Office) and Rowena Maxwell (Canadian Nuclear Safety Commission).

Continuing the theme of cooperation a workshop was held on 22 May 2013 on Agency cooperation with RSACs and SSACs. It was attended by 34 people; 18 INMM members and 16 non-members. Therese Renis facilitated the discussion, with three panel members – David Hatt, Igor Tsvetkov and Ryszard Zarucki. The discussion used examples from cooperation between the Agency and EURATOM and the Agency and the Republic of Korea. The panel discussion was followed by a brief discussion on the INMM as an organization and results of a recent survey of members, and a social hour.

In November 2012 the Chapter was pleased to announce its sponsorship of a competition to present a paper at the 2013 INMM Annual Meeting. The DDG-SG agreed to sponsor a member of the INMM, Vienna Chapter, to attend the 2013 INMM Annual Meeting in Palm Desert, California from July 14-18. The competition was open to all Vienna Chapter INMM members in the Department of Safeguards. Judging of the papers, based on 10 to 15 minute presentations of the participant’s topic, took place on 24 January 2013. Eight papers were presented, covering topics such as visualisation techniques for acquisition path analysis, training, verification approaches, NDA equipment and optimising resources for inspection using statistical techniques. The judges selected Susan Pickett’s paper on “Safeguards Training in Virtual Environments: Pilot Developments at the IAEA” as the winner to be presented at the INMM Annual Meeting. The feedback on the selection was given to senior management, as well as recommendations on other papers that were noteworthy and could be considered for presentation at the annual meeting.

VIENNA CHAPTER (CONT.)



During the first quarter of 2013, our energy was fully directed towards organizing the Vienna International Science and Engineering Fair which was held on 23 March 2013, at the Vienna International School, Vienna. Over ninety students from six international schools in Vienna, as well as the Bratislava International School in Slovakia, presented a wide range of high quality projects on different science and engineering topics. An Awards Banquet was held on 27 March 2013 at the Vienna International Centre restaurant; with about 140 people attending, most of them students and their family members. The commitment and dedication of our members, as well as the support of the INMM headquarters and other sponsors, made it possible for us to conduct a very successful Science Fair. Feedback from the schools has been very positive and they are eagerly looking forward to the next science fair. Preparations have already started for the 2014 science fair, with a meeting with school representatives. Next year’s fair will again take place at the Vienna International School in Spring 2014. The photo shows students setting up their displays.

On the Chapter’s Executive Committee there has been a change of officers. Following his move to a new role at OPEC, Adedapo Odulaja relinquished his position as Vice-President. The Executive Committee would like to express its appreciation for Adedapo’s work with the Vienna Chapter. For the remaining period of office the Executive Committee nominated John Kinney to the position of Vice-President.

The Executive Committee updated the Chapter Bylaws which were approved by the Chapter members in April 2013. A survey of members was also undertaken to identify

what activities the members wished to have arranged in the forthcoming year, get feedback on the Chapter’s website and how members would like to become more involved in the Chapter’s activities. The results of the survey were extremely useful for the Executive Committee to help develop the coming year’s plan. The summarized results were also shared with the Chapter members.

Future events include a luncheon in June with Dr Siegfried Hecker as guest speaker. In addition the Department of Safeguards will present 14 papers at the 54th INMM meeting. These papers reflect substantive Departmental developments and achievements and in advance of the INMM meeting, each paper will be presented during 3 sessions organized in June at the Vienna International Centre.

Annex 1 : Officers of the INMM Vienna Chapter

Position	1 October 2012	1 June 2013
President	Therese Renis	Therese Renis
Vice-President	Adedapo Odulaja	John Kinney
Treasurer	Fabian Rorif	Fabian Rorif
Secretary	Thomas Jeffrey	Thomas Jeffrey
1st Member at Large	Eva Gyane	Eva Gyane
2nd Member at Large	Carrie Mathews	Carrie Mathews

GEORGIA INSTITUTE OF TECHNOLOGY STUDENT CHAPTER

Jessica Paul, Chapter President

The INMM Student Chapter at Georgia Tech kicked off the start of 2013 as an official new chapter of INMM. We are all excited about getting more involved with the organization and look forward to continuing growth of this chapter.

Our membership is comprised of students from both the Nuclear and Radiological Engineering Program (NRE) and the Sam Nunn School of International Affairs (INTA). We are continuing to reach out and get new members who share INMM's interests.

Past Meetings and Events

First Official General Meeting

January 22nd 2013

Members of the INMM Student Chapter at Georgia Tech met to discuss the successful formation of the chapter along with upcoming events. Members were encouraged to submit abstracts and attend the upcoming Annual Conference, and were briefed on the Spent Fuel Seminar that took place in DC earlier that month.

Taco Mac Social

January 24th 2013

Members and interested students were invited to get to know the Executive Committee members and meet other students in the organization. This was a great opportunity for interested students to learn more about INMM.

Trivia Night

March 13th 2013

Members and interested students gathered at Ray's New York Pizza to socialize and play trivia.

Speaker: Larry Satkowiak, *Vice President of INMM*

March 4th 2013

The VP of INMM visited Georgia Tech to give members a better understanding of what INMM does and how it benefits students. This was a great networking opportunity for our members, and gave them a greater sense of the goals and mission of INMM in relation to their educational careers.



INMM Student Chapter at Georgia Tech Officers. From the left: Phil Baxter (Treasurer), Spencer Mickum (Secretary), Jessica Paul (President), Matthew Molinar (Vice President), Dylon Wegner (Member-at-Large)

MCNP Workshop

April 10th 2013

Undergraduate students with personal copies of MCNP were invited to attend a workshop introducing the basic concepts of how to build and run models. Graduate student members of our chapter provided assistance and example problems so students received individual attention and help. We were given great feedback from the attendees, and plan on holding this event at least once a year.

Speaker: Steve Wyrick, *INMM Southeastern Chapter President*

April 18th 2013

The INMM Southeastern Chapter President visited Georgia Tech to speak to the Nuclear and Radiological Engineering student body about maintaining high resolution mass spectrometry capabilities for National Nuclear Security Administration (NNSA) Applications and potential internship opportunities at Savannah River National Lab (SRNL).

Future Meetings and Events

The Student Chapter at Georgia Tech will continue to seek out speakers for future meetings and also inform members of interesting and relevant seminars taking place on campus.

We will continue to offer workshops to our members that will help in undergraduate studies.

Monthly general chapter meetings will resume in the Fall 2013 semester.

GEORGIA INSTITUTE OF TECHNOLOGY STUDENT CHAPTER (CONT.)

The following students have submitted abstracts and are attending the Annual Conference to be held in Palm Desert, CA.

Christopher Edgar: “Gamma Response in a Synthetic Aperture System for Roadside Detection of Special Nuclear Material”

Phil Baxter “Pyroprocessing and the Republic of Korea: A Policy Review”

Spencer Mickum “High Activity-Active Well Coincidence Counter Monte Carlo Verification Analysis for

Non-Destructive Measurement of HEU Residue from Molybdenum Separation Process”

Jessica Paul (co-author): “Synthetic Scoring Scheme for Isotope Identification in SmartID”

The INMM Student Chapter at Georgia Tech would like to thank the INMM Executive Committee for approving our chapter. In addition, special thanks go to Steve Ward and John Matter for helping us with the chapter formation process.

MONTEREY INSTITUTE OF INTERNATIONAL STUDIES STUDENT CHAPTER

Karen Hogue, Chapter President

Last spring, a group of students decided it was time to bring INMM to the Mont the help of a number of established members from the national organization, w activities in the Fall of 2012. We had a great first year! As we review our inaugu to what we will be able to do next year as a more mature organization.

2012-2013 Executive Board:

President: Karen Hogue
karenkoop@gmail.com

Vice President: Marc Quint
mquint@miis.edu

Treasurers: Casey Mahoney (Fall 2012)
cmahoney@miis.edu
Sarah Norris (Spring 2013)
snorris@miis.edu

Secretary: Jennifer Dahnke (Fall 2012)
jdahnke@miis.edu
Catherine Dill (Spring 2013)
cdill@miis.edu
Amanda Sayre (Spring 2013)
asayre@miis.edu

Member-at-Large: Christopher Kochanski
ckochanski@miis.edu

Member-at-Large: Anne-Marie Riitsaar
ariitsaar@miis.edu

The following is a chronology of this past year’s events at the Monterey Institute of International Studies:

Chapter Meeting #1

11 September 2012

Our first meeting served to welcome students to the chapter and elect the first class of officers. We spoke about what INMM is and what opportunities it offers student members. Then we discussed what we would like to accomplish as a club this year, including bringing in guest speakers, hosting a nuclear science badge event for local boy scouts, touring Lawrence Livermore National Lab, and organizing joint events with other student groups in the Bay Area. In the elections, both first- and second-year students were well-represented, and our first executive committee consists of three second-year and four first-year officers. The meeting closed with three students speaking about recent internship experiences in nuclear materials management – one at LLNL, one at PNNL, and one at UNODA. We had about 40 students in attendance at this meeting.

Social Event – Beach Bonfire

28 September 2012

As a way to get to know each other better and enjoy a streak of good weather, we invited students down to the beach for good times, casual conversation, and glow sticks. In all, we had a critical mass of about 50 students from

MONTEREY INSTITUTE OF INTERNATIONAL STUDIES STUDENT CHAPTER (CONT.)

multiple different MIIS programs assemble. We also had a special appearance from an INMM-CA member who was in town visiting.

Chapter Meeting #2
**Presentation by Jay Zucca, Director of Nonproliferation at Lawrence Livermore National Laboratory
19 October 2012**

Jay Zucca presented “Current Challenges in Nonproliferation & Arms Control and the Role of the National Laboratories”.

Chapter Meeting #3
**Presentation by Dr. Naomi Marks, Postdoc, Nuclear Forensics Group, LLNL
27 November 2012**

Dr. Naomi Marks gave a very well-received presentation on “Case Studies in Nuclear Forensics.” Many of our chapter members are particularly interested in nuclear forensics.

**Social Event, “Atomic Drinks” and social hour at 1833, a local bar
7 December 2012**

In an effort to further get to know each other, the Executive Board organized an end-of-the-semester happy hour for the chapter.

Chapter Meeting #4
**Presentation by Chris Kessler, former U.S. State Department nonproliferation expert
28 February 2013**

For our fourth meeting, our chapter organized a joint meeting with another student club at MIIS, the Program on Human Security and Development (HuSAND), about a topic of interest to both groups. Chris Kessler, a former U.S. State Department official, gave a fascinating talk on “A Tale of Two Nonproliferation Regimes: Nuclear & Conventional Weapons.” Chris was nice enough to speak with a smaller group of chapter members before and after his presentation about careers in the nonproliferation field.

Chapter Meeting #5
**Presentation by Shirley Johnson, Tucker Creek Consulting
7 March 2013**

Shirley Johnson gave a very informative and entertaining presentation on reprocessing technologies, her time working at the IAEA, and careers at the IAEA. As always,

attendees enjoyed all the knowledge and wisdom that Shirley had to impart during her presentation.

**Special Event: Boy Scout Nuclear Science Merit Badge
6 April 2013**

The Chapter hosted 40 local Boy Scouts at a workshop to earn their Nuclear Science Merit Badge. The INMM Chapter taught the Boy Scouts about nuclear physics, particle accelerators, radiation, and nuclear reactors through lectures and experiments. The group of eager Boy Scout nuclear scientists-to-be arrived early on a Saturday morning for an intense session of fundamental nuclear physics, followed by an introduction to real-world energy and medical uses. After a brief respite of pizza and one-on-one questions, the group returned for a hands-on presentation on radiation detectors by Ryan Greve, a Radiation Safety Officer from the Naval Postgraduate School. The day’s festivities ended after group experiments building model nuclear reactors, cloud chambers, and an electroscope. It was an extremely successful event (for both the Boy Scouts and us!), and we plan to make this an annual workshop and open it up to Girl Scouts in the future.



MIIS INMM Members and Boy Scouts after a successful nuclear science merit badge course!

Chapter Meeting #6
**Presentation by Roger Miller, Scientist, LLNL
18 April 2013**

Roger Miller provided our chapter with a presentation on the current nonproliferation challenges in Iran during our sixth meeting. This event was open to the public and attracted a number of non-INMM students and community members, and an interesting discussion ensued given the timeliness of the topic.

MONTEREY INSTITUTE OF INTERNATIONAL STUDIES STUDENT CHAPTER (CONT.)

Chapter Meeting #7**Wrap-Up****9 May 2013**

At our final meeting of the 2012-2013 academic year we discussed ways to increase membership and chapter activities next year, and elected our president for the 2013-2014 academic year.

2013-2014 Executive Board

We elected our new President—Amanda Sayre—at our final 2012-2013 meeting. We will elect the rest of the Executive Board at our first meeting in the fall.

Tentative Plans for the 2013-2014 academic year

- Foster CA Chapter/MIIS Student Mentorship Program
- Host Boy Scout (and possibly Girl Scout) Nuclear Science Badge Workshop
- Continue to host more speakers

54th Annual INMM National Meeting

The MIIS INMM Student Chapter will be well represented at this summer's national meeting, and three of our members will be presenting papers: Jerry Davydov, Catherine Dill and Marc Quint. We're looking forward to meeting other INMM chapters and members and thinking about ideas for our second year!

Respectfully,

Catherine Dill

2013 Secretary

INMM-MIIS Student Chapter cdill@miis.edu

Amanda Sayre

2013 Secretary/ 2013-2014 President-Elect INMM-MIIS Student Chapter asayre@miis.edu

Karen Hogue

2012-2013 President

INMM-MIIS Student Chapter karenkoop@gmail.com

PENNSYLVANIA STATE UNIVERSITY STUDENT CHAPTER

Jessica McNutt, Chapter President

Annual Report of Activities

The following is a summary of the activities held by the Pennsylvania State INMM Student chapter for the 2012-2013 academic year. Penn State INMM (hereafter referred to as PSU- INMM) is pleased to report a significant increase in membership this year among both graduate and undergraduate student populations in nuclear engineering, mechanical engineering and international policy. We hope that a firm foundation has been established for PSU-INMM that will lead to growth and sustainability for years to follow.

Summary of events:

General Meeting September 16th 2012

Our first meeting of the 2012-2013 academic year was held on 16 September, 2012. Following a rigorous recruiting campaign during the first month of courses, PSU-INMM experienced a dramatic increase in student attendance compared to the first meeting of the previous year. PSU- INMM followed this meeting with a challenge to get as many members to join the national chapter as possible and offered to cover the cost of the first three to register. In addition to this registration drive, PSU-INMM discussed INMM's mission statement and began planning events for the upcoming year. PSU-INMM strongly encouraged all students to become involved, particularly newer, younger students. Officer positions were discussed and nominations were taken for vacant seats. Elections were held at the next general meeting.

General Meeting October 8th 2012

In our second general meeting, PSU-INMM discussed the future of INMM and held elections for vacant officer positions. Our officers for the year were the following:

- *President: Jessica McNutt
jpmcnutt@gmail.com
- *Vice President: Timothy Jacomb-Hood
twj5026@psu.edu
- *Secretary: Harry Devine III
hfd5007@psu.edu
- *Treasurer: Chris Sopko cjs5599@psu.edu
- *Faculty Advisor: Prof. Igor Jovanovic
izj1@psu.edu

Movie Night

October 22nd 2012

PSU-INMM gathered for dinner and a viewing of War Games.

Presentation by Dr. Craig Marianno (TAMU)

November 6th 2012

Dr. Marianno from Texas A&M University visited Penn State University as part of the new GTRI funded Nuclear Security Program being developed by TAMU, Penn State and MIT. Dr. Marianno graciously agreed to give a talk to our chapter about his experiences as a Captain on the Radiological Assistance Program (RAP). His talk was followed by dinner and drinks at a local restaurant where we discussed everything from research opportunities at TAMU to Radiation Detection at major events (e.g. Super Bowl, Inauguration). Several of our members have maintained contact with Dr. Marianno and TAMU-INMM members and a recent Penn State graduate will begin his PhD work under Dr. Marianno in the Fall of 2013.

Presentation by James Disser (BNL) November 15th 2012
James visited Penn State University to give an overview of the work done at Brookhaven National Laboratory in the Nonproliferation and National Security Department as well as opportunities for research available at the national laboratories related to safeguards and security. He also discussed the various positions, and requirements, available at the International Atomic Energy Agency in Vienna, Austria. His talk was followed by dinner and drinks at a nearby restaurant during which a workshop on Radiation Detection and Safeguards Policy was organized for Penn State students at Brookhaven National Laboratory. Following this meeting several of our members applied for research positions at national laboratories. As a result we have two students at Livermore, one at Sandia at Livermore, one at Idaho National Laboratory, and one at Brookhaven National Laboratory. All of these students are conducting research relevant to radiation detection, security and safeguards.

Meeting to discuss the trip to Brookhaven National Lab January 10th 2013

Ten students expressed interest in attending a workshop at BNL. This meeting was held to discuss logistics for the trip.

**Radiation Detection and Safeguards Policy Workshop
at Brookhaven National Laboratory
January 17-18th 2013**

As previously mentioned, PSU-INMM worked with BNL to plan a two-day workshop on radiation detection and safeguards policy for graduate and undergraduate students at Penn State. PSU-INMM members heard talks from Carol Kessler, Ralph James, Susan Pepper and Biays Bowerman on topics ranging from Safeguards and Nonproliferation policy to Nuclear Homeland Security. Joe Carbonaro and Les Fishbone followed with talks detailing their experiences related to MPC&A in the former Soviet Union and denuclearization efforts in Iran. Technical talks and tours were also given by several researchers at BNL including Ge Yang and Lynne Ecker on work done at RHIC and the National Synchrotron Light Source. Five Penn State students, including one undergraduate, gave presentations to BNL staff on the results of research performed at Livermore National Laboratory, Pacific Northwest National Laboratory and the Penn State Intense Laser Laboratory. These presentations were followed by an overview of the previously mentioned Nuclear Security Education Program. PSU-INMM is incredibly grateful for the opportunity given to us by Carol Kessler, Susan Pepper and everyone else who volunteered their time at Brookhaven National Laboratory. We look forward to our continuing collaboration with them in the upcoming years.

**Stephen Mladineo (NNSA)
January 29th 2013**

Mr. Mladineo visited PSU-INMM to give a talk on MPC&A as well as the NNSA Graduate Fellowship Program. His talk was followed by dinner and drinks with PSU-INMM members and PSU faculty. Two of our students, Jessica McNutt and Sarah Bender, are participating in the NNSA fellowship program during the upcoming year.

**Presentation by Donald Shemanski (PSU)
February 19th 2013**

Professor Shemanski is a former United States diplomat and is currently teaching a course on International Terrorism as part of the new Nuclear Security Program at Penn State. He gave a talk on the past, present and future threat posed by nuclear terrorism.

**Presentation by Dr. Carter Hull (Y-12)
March 14th 2013**

Dr. Carter Hull was an INMM invited speaker in the Penn State Nuclear Engineering Seminar Series. He spent the day visiting with Nuclear Engineering students, faculty and PSU-INMM members and gave a talk on the research and collaboration opportunities available at the Y-12 Complex.

**2013 Carnegie International Nuclear Policy Conference
(Washington, D.C.)****April 8 – 9 2013**

Three students from PSU-INMM came together with two students from the University of Virginia to attend the Carnegie International Nuclear Policy Conference in Washington, D.C. thanks to the gracious support of the INMM Northeast Chapter. Students had the opportunity to attend talks, seminars, and round table discussions related to nuclear security policy. It also served as a wonderful opportunity to make and establish connections with policy students from universities all over the east coast.

**General Meeting
April 17th 2013**

This was the final meeting of the 2012-2013 academic year. T-shirts were distributed and graduating members said their last goodbye's. Plans also began for the 2013 INMM National Meeting in Palm Desert. Four students will be attending the conference this year and two of them will be giving talks on three accepted papers. This meeting was followed by dinner and drinks.

TEXAS A&M UNIVERSITY STUDENT CHAPTER*Kate M. Putman, Chapter President*

The Officers for the 2012-2013 academic year are as follows:

President	Kate Putman kmputman@tamu.edu
Vice President	Julia Eigenbrodt jmeigenbrodt@gmail.com
Secretary	Royal Elmore relmore@neo.tamu.edu
Treasurer	Grant Spence gspence@tamu.edu
Web Master	Scott Stewart sstewart11@tamu.edu
Bush School Liaison	Rachael Dahl rachael.dahl@gmail.com
Undergraduate Liaison	Daniel Custead danielcustead@gmail.com
Past President	Grant Spence gspence@tamu.edu

Meetings and Activities

The Texas A&M INMM Chapter meetings and activities for the 2012-2013 academic year are listed below. Since we have waived the student membership fee, our events have grossed a significant number of students (most having 40-50 students). We have been successful at recruiting both undergraduate Nuclear Engineering students and students from the Bush School of Government and Public Service as well as interested students in various departments. We will continue to actively increase our membership inside and outside of our department.

Budget

The Chapter financial report for the current 2012-2013 academic year is below. Our starting balance as of July 2012 was \$9,133.31. The Texas A&M INMM student chapter funded two students to attend the INMM national meeting, as well as purchased T-shirts to sell at the annual meeting.

Date	Type	Topic	Speaker
9/6/2012	Social	Beginning of Year Social - The Fox & Hound	n/a
9/12/2012	Presentation	NNSA Graduate Fellowship Program	Alison Goodsell (DOE)
9/25/2012	Roundtable	Psychology of Nuclear Proliferation	Dr. Jacques Hymans
9/27/2012	Meeting	Atomic Assistance	Dr. Matt Fuhrmann (TAMU)
10/3/2012	VTC	11 Key Tips to a Better Presentation	Paul Ebel
10/17/2012	Meeting	Technical Experts Influencing Policy	Dr. Marv Adams (TAMU)
11/14/2012	Meeting	Overview of Safeguards and Security Tech	Mr. Chris Pickett (ORNL)
12/5/2012	Social	End of Year Social- The Fox & Hound	n/a
1/29/2013	Social	Beginning of Year Social - Fitzwilly's	n/a
2/6/2013	Meeting	National Security Service Opportunities	Dr. Bryan Fearey (LANL)
2/11/2013	Meeting	Security Culture Around the World	Mr. Paul Ebel
3/5/2013	Meeting	Insider Mitigation Theory and Case Studie	Mr. Phillip Gibbs
3/27/2013	Meeting	Life at the IAEA	Ms. Laura Rockwood (IAEA)
4/3/2013	Roundtable	The White House and Energy Policy	Ms. Joyce Connery (WH)
5/1/2013	Meeting	Presentation on Trip to Japan/Officer Elec.	Mr. Claudio Gariazzo
5/1/2013	Social	End of Year Social- The Corner Bar & Grill	n/a

TEXAS A&M UNIVERSITY STUDENT CHAPTER (CONT.)

Date	Type	Money IN	Money OUT	Running Balance
7/6/2012	TAMU INMM Tshirt Purchases		\$27.06	\$9,106.25
7/6/2012	TAMU INMM Tshirt Purchases		\$703.09	\$8,403.16
8/24/2012	Shipping shirts to INMM Annual Conf.		\$239.39	\$8,163.77
8/24/2012	Shipping shirts to TAMU		\$117.39	\$8,046.38
8/28/2012	Student #1 Travel to INMM Nat.		\$646.20	\$7,400.18
8/31/2012	Student #2 Travel to INMM Nat.		\$775.01	\$6,625.17
8/31/2012	INMM Tshirt Sales	\$612.73		\$7,237.90
9/27/2012	INMM Luncheon - NGFP/NNSA Fellowship		\$58.00	\$7,179.90
10/1/2012	Beginning of the Year Social		\$177.00	\$7,002.90
10/12/2012	INMM Meeting - Dr. Hymans		\$58.78	\$6,944.12
10/12/2012	Drinks, Sodas & Supplies for Meetings		\$76.98	\$6,867.14
10/3/2012	INMM Teleconference - Mr. Ebel		\$135.31	\$6,731.83
10/16/2012	INMM Meeting - Dr. Fuhrmann		\$180.00	\$6,551.83
10/29/2012	INMM Meeting - Dr. Adams		\$144.77	\$6,407.06
11/14/2012	INMM Meeting - Mr. Chris Pickett		\$198.62	\$6,208.44
12/7/2012	End of Semester Social with ANS		\$178.00	\$6,030.44
1/28/2013	Beginning of the Year Social		\$134.00	\$5,896.44
2/6/2013	INMM Meeting - Dr. Feary		\$162.82	\$5,733.62
2/11/2013	INMM Meeting - Mr. Ebel		\$69.01	\$5,664.61
3/5/2013	INMM Meeting - Mr. Phillip Gibbs		\$233.84	\$5,430.77
3/27/2013	INMM Meeting - Laura Rockwood		\$184.04	\$5,246.73
4/3/2013	INMM Meeting - Joyce Connery		\$8.71	\$5,238.02
5/1/2013	End of Year Social		\$153.00	\$5,085.02

Once again, our entire chapter wishes to express our sincere thanks to the INMM and all the members of the Executive Committee for all your generous support.

TRIANGLE AREA STUDENT CHAPTER
Kalene Hanson, Chapter Vice President

This school year, the Triangle Area INMM Student Chapter held nine general body meetings as well as elections. We have sold tee shirts that we designed and hope to continue to sell them next year to help pay for a fall break visit to Savannah River National Laboratory.

We have held a range of guest speakers including Dr. Steven Wyrick from Savannah River National Lab, who spoke to the club about Mass Spectrometry Capabilities for National Nuclear Security Administration (NNSA) Applications as well as Mr. Christopher Pickett from the Safeguards and Security Technology division at Oak Ridge National Labs. He spoke to the club about arms control as well as INMM National and how to further improve our student chapter.

This year we focused on integrating both political science members and nuclear engineering members. A goal of the chapter was to increase understanding of nuclear applications in non- engineering disciplines, and to help bridge the communication gap that currently exists between policy makers and engineers. One way we worked to accomplish this was to host Dr. Joseph Caddell, a military historian from the University of North Carolina at Chapel Hill that spoke about the history of nuclear weapons and the need for nonproliferation.

Elections were held in April and the following were elected: Kyle Weinfurther (PhD student) was elected President, Kalene Hanson (Sophomore) was elected Vice President, Molly Glass (Junior) was elected Secretary, and Kelsey Reamer (Sophomore) was elected Treasurer.

We partnered with the Triangle Institute for Security Studies (TISS) on some of our meetings in order to get many different speakers that they have access to, and to broaden our horizon of security issues regarding other sources of energy. One example of this is when TISS invited Alex Roland to speak; INMM members were able to attend the presentation concerning the difference between engineers and social scientists.

Our final meeting of the year was a banquet held jointly with North Carolina State University's chapter of the American Nuclear Society. We hosted three guest speakers, Jeff Long, a graduate student at Johns Hopkins in political science with a background in nuclear physics, Steve Skutnik, a professor of nuclear engineering at the University of Tennessee, and Dawn Eipeldauer from Oak Ridge National Labs with a background in the IAEA.

Budget: Please see attached

**For the next year, we will not be using a Business Banking Account in order to avoid the fees we incurred this year.*

Our Chapter would like to thank the INMM executive committee for all of the support we have been given this past year, and we look forward to the Annual Meeting as well as the upcoming year. Sincerely,

UNIVERSITY OF MICHIGAN STUDENT CHAPTER
Marc G. Paff, Communications Chair

It's finally summertime and our chapter members are flocking all around the world to further their education. Whether it's Mateusz Monieral evaluating age dating uncertainties of nuclear samples at the Institute for Transuranium Elements in Karlsruhe, Germany, or Alexis Kaplan heading to Los Alamos to write her thesis on differential die-away self-interrogation of spent nuclear fuel, or myself measuring plutonium waste matrices at the Joint Research Centre in beautiful Ispra, Italy, or the students continuing their research in Ann Arbor, we all look forward to reuniting in Palm Desert in July. But more on that later.

After an exciting year packed full of educational and fun events, we are excited to have elected a set of new officers including many new students who will be experiencing their first INMM conference this summer.

The following is a chronology of this past year's events at the University of Michigan:

June 19th 2012—Presentation by Steve Ward

Steve Ward is a Material Control & Accounting Engineer for the U.S. Nuclear Regulatory Commission (NRC). He works on domestic and international safeguards issues

UNIVERSITY OF MICHIGAN STUDENT CHAPTER (CONT.)

including the licensing of four new fuel cycle facilities in the U.S., implementation of the U.S.-IAEA Additional Protocol at NRC facilities, and oversight of small quantity holders of special nuclear material for the Nuclear Materials Management and Safeguards System. Steve is heavily involved in the Institute of Nuclear Materials Management, serving as Chair of Student Activities, Vice President of the Northeast Regional Chapter, and Secretary for ANSI Accredited Standards Committee N15. During his visit to the University of Michigan Department of Nuclear Engineering and Radiological Sciences, Steve addressed the UM INMM student chapter on matters regarding nuclear infrastructure development in the Middle East, with a special focus on Jordan and the United Arab Emirates. Additionally, Steve stressed the importance of developing and participating in professional societies, such as the INMM.

July 9th and 10th 2012—Presentation Practice Sessions for Students Presenting at 2012

INMM Annual Meeting: Our University of Michigan INMM student chapter continued our tradition of hosting presentation practice sessions for students presenting at his year's INMM Annual Meeting in Orlando, FL. Apart from honing their presentation skills, students benefitted from detailed critiquing by faculty and fellow graduate students. This was also an opportunity for graduate students to showcase their research to nuclear engineering students pursuing non- INMM-related graduate research.

July 15th – July 19th 2012—INMM 53rd Annual Meeting in Orlando, FL

We are thrilled to proclaim that a total of fifteen papers were presented by University of Michigan students and faculty at the INMM 53rd Annual Meeting. This included a total of eleven graduate students, of which ten gave oral presentations. The INMM University of Michigan student chapter also deeply appreciates the financial support provided by the INMM Central Region Chapter for making attendance possible for Alexis Kaplan and Marc Paff. Both students had just finished their first year of PhD studies under Professor Pozzi and were attending INMM for the first time as speakers. We were also elated for Professor Pozzi to receive the Edway R. Johnson Meritorious Service Award during the banquet. Eric Miller, who successfully defended his thesis on August 10th, crowned his university career with a 2nd place finish in the J. D. Williams Student Paper Award competition.

July 20th 2012—Presentation by Dr. Dina Chernikova

Dr. Chernikova, a newly minted associate Professor in Nuclear Engineering at Sweden's Chalmers University, extended her INMM visit to the United States with a visit to the University of Michigan Department of Nuclear Engineering and Radiological Sciences. Her visit included a presentation to our student chapter on her research on a lead slowing down spectrometer and other detector experiments for determining boric acid concentrations in spent fuel pools.

September 4th 2012—
Chapter Executive Committee/Business Meeting

The University of Michigan INMM Student Chapter officers met to discuss funding, plan future events and to catch up after a busy summer.

September 7th 2012—
Happy Hour, New Student Welcome

The Michigan INMM chapter hosted a happy hour at Bar Louie to welcome back returning members as well as to introduce new Michigan students to INMM.

October 3rd Webinar with Paul Ebel

University of Michigan nuclear engineering students learned valuable presentation skills from none other than the illustrious king of presentation etiquette, Mr. Paul Abel. The webinar was enjoyed by over a dozen students, and it did not fail to both inform and entertain.

October 17th 2012—
Chapter Executive Committee/Business

Board members of the University of Michigan INMM student chapter met to discuss the logistics of upcoming talks, and to plan social events for the remainder of the semester.

October 18th 2012—Presentation by Former IAEA Inspector, Shirley Johnson

Shirley Johnson visited the Nuclear Engineering Department of the University of Michigan to spread the word about exciting career opportunities at the International Atomic Energy Agency. As a former IAEA inspector, she shared valuable insights on her IAEA experiences with a diverse crowd of engineering students.

UNIVERSITY OF MICHIGAN STUDENT CHAPTER (CONT.)

December 12th 2012—Presentation by NC State Nuclear Engineering Professor, John Mattingly
John Mattingly, an Associate Professor of Nuclear Engineering at North Carolina State University, was in town for a review meeting and graciously accepted our chapter's invitation to speak about his research on inverse transport techniques for characterizing special nuclear material.

**January 11th 2013—
Executive Committee/Business Meeting**
The executive committee met to plan the upcoming semester.

January 25th 2013— Lecture by Professor Aaron Pierce
The INMM chapter took a slightly different route with this speaker to bring a different perspective to the students—that of a theoretical physicist. Aaron Pierce works with theoretical particle physics beyond the standard model, answering such questions as how do particles get their masses, why is gravity so weak, and why is there more matter than anti-matter in our universe? We asked him to give a talk on the Higgs Boson and the standard model of physics to enhance our understanding, as nuclear engineers, of the atom and the nucleus itself. The lecture was given as a department of Nuclear Engineering and Radiological Sciences colloquium and was attended by approximately 60 students and faculty.

February 8th 2013—Lecture by Stephen Tobin
Dr. Steve Tobin came to us from Los Alamos to give a talk on the Next Generation Safeguards Initiative Spent Fuel Project. He covered nondestructive assay systems currently in development and plans for their fabrication and deployment. The talk was a great overview of spent fuel monitoring efforts and was given as a department colloquium. It was attended by approximately 75 students and faculty.

February 12th 2013—INMM Website Task Force
INMM chapter members participated in a task force to improve INMM website lead by Brian Boyer.

February 12th 2013—Social Night
Our chapter got together for a social night at a local restaurant and bar. It was attended by 13 students.

March 26th 2013—Lunch with Chris Pickett
INMM catered an interesting lunch with Dr. Pickett, attended by 15 students. Dr. Pickett candidly discussed his experiences related to nuclear nonproliferation, touching upon nuclear safeguards' policy and technology challenges. He also addressed safeguards-related career opportunities.

March 26th 2013—Lecture by Chris Pickett
Dr. Chris Pickett came from Oak Ridge National Laboratory where currently leads the Safeguards and Security Technology group in the Nuclear Security & Isotope Technology Division. His talk was entitled "Grand Challenges in Nuclear Security" and he covered a range of topics from safeguards instrumentation to inspector duties. The lecture was attended by 10 students.

April 11th 2013—Chapter Elections
Our student chapter elected a new board including many new and old faces. Our new officers are:

President: Marc Ruch
Past President: Cassie Brown
Vice President: Mateusz Monierial
Secretary/Treasurer: Alicia Salazar
University of Michigan Engineering Council
Representative: Matthew Marcath
Publicity Chair: Steven Brown
Communications Chair: Marc Paff

With the Annual Meeting just around the corner, we are pleased to announce that eleven students as well as several post docs, research scientists and of course our chapter advisor, Professor Pozzi, will be presenting papers in Palm Desert this July.

Our new executive board will surely continue to foster student interest in INMM at the University of Michigan, and will continue planning amazing events. On a final sad/happy note, Jennifer Dolan, one of our chapter's founding members and past officer in several positions including President, has recently successfully defended her thesis and is off to work as a postdoctoral fellow at NNSA.

We all wish her the best of luck.

UNIVERSITY OF NEW MEXICO STUDENT CHAPTER*Arnika Chidambaram, Chapter President*

Objectives

The University of New Mexico's student INMM chapter is oriented towards bringing together students from different areas of academia, who share a common interest in nuclear materials management, and providing them with a platform for sharing ideas and meeting new people. This year, our chapter has hosted esteemed speakers from National Laboratories across the United States, as well as graduates of the University of New Mexico Nuclear Engineering program, who have gone on to do work in the nuclear materials management field.

Community Support

The Southwest Chapter INMM has been very gracious to our student chapter. They've covered our expenses on certain occasions, like our trip to the Taos Technical meeting, and have given us great advice throughout the year. As officers, we sat down and had lunch with Dr. Felicia Duran, and she gave us tips on applying to internships, finding professors to do research with and gave us contact information for tours at Sandia Labs. Their support this past year has been invaluable.

Networking Events

This year, many of our officers were able to attend events sponsored by the Southwest Chapter of INMM. In August, we attended The INMM Taos Technical Meeting, where we listened to colleagues present potential technical papers and we were able to meet Southwest Chapter INMM colleagues in a friendly and casual environment. We were also fortunate enough to attend the annual INMM Winter Dinner in Santa Fe, in January. We listened to representatives from both Sandia and Los Alamos National Laboratories speak about the future of nuclear engineering and what new policies are being enabled for managing nuclear materials in the future. It was a great way to network with professionals in the field and learn about the issues relevant to our generation.

Speakers

As for speakers this year, we were fortunate enough to have Dr. Markku Koskelo come and speak with us about his endeavors in the nuclear materials management field. Dr. Koskelo has always been an avid supporter of the local and student INMM chapter so he came in to tell us about his 30 years of experience in technical, management and executive positions in commercial product research and development. In that time, he also marketed for gamma and neutron radiation measurement systems for nuclear security, safeguards and waste assay, surveillance cameras and seals for safeguards. We're very grateful he was able to make time for us.

Increasing Membership

We've had a really great year, in terms of growth and learning more about the field of nuclear materials management, as a whole. We've also faced some challenges in terms of student body participation. Many of our INMM members and general student supporters graduated last year so membership has decreased. Also, at the moment, our student chapter is comprised solely of undergraduate nuclear engineering students. One of our goals for this year is to extend interest to graduate students in the program as well as political science undergraduates, and increase membership. We've taken steps to meet this goal by visiting different classes and taking about why nuclear materials management applies to everyone. By doing this and sending around a signup sheet, we've gained the attention of students in majors ranging from history to chemistry to engineering, so we're hoping for more student body participation when we have our first meeting in August. Another action we've taken as a student chapter, to promote interest in INMM, is set up a Facebook page.

Elections

Though we have had multiple changes in leadership in the past year, it has strengthened communication between the remaining officers, and other members of the chapter. We have a fair number of involved juniors interested in taking leadership positions in INMM so we believe we have excellent candidates for upcoming elections.

UNIVERSITY OF NEW MEXICO STUDENT CHAPTER (CONT.)*Arnika Chidambaram, Chapter President*

Upcoming Social Events

We feel it's important that our members see the UNM INMM student chapter as not only a forum to share ideas but also as a way to meet and befriend people who share similar interests. As a means to facilitate more interaction, we've planned social events for this year, and hope to come up with a few more ideas over the course of the summer. To kick off the school year, we're having an ice cream social, so students in different degree programs who normally don't interact, can mingle. We've also planned a trip to Gravity Park as an ice breaker, so members can interact with each other in a setting outside of school. And finally, we're organizing a trip to the Waste Isolation Pilot Plant in Carlsbad, NM, to show students where nuclear waste can be disposed.

Chapter Acknowledgements

It's been a great year and we're very grateful to all of the staff and community support we've received. We hope to keep the momentum going and increase membership, hold more social events and attend more technical talks this year. Both Danielle Redhouse (chapter Vice-President) and Jason Seik (chapter Secretary) have been instrumental in setting up Sandia Lab tours, meeting with Southwest INMM members/sponsors and generating interest by going to different classes to talk about INMM over the course of this year.

To see our facebook page, please visit us at:
<https://www.facebook.com/inmmlobos?ref=ts&fref=ts>

UNIVERSITY OF TENNESSEE, KNOXVILLE STUDENT CHAPTER*John Stooksbury, Chapter President*

I. Chapter Activities

In the 2012 summer, planning and brainstorming took place to help start the year off with momentum. Work was done to partner with the UTK ANS chapter and use an event called "Pic- Nuke," a picnic for nuclear science and engineering students, to bring together both organizations. Planning was also done to have a large, "town-hall" style meeting aimed at a broad audience of students to boost interest in nuclear security and safeguards campus-wide. A potential topic "Everything you need to know about a nuclear meltdown" was proposed for such a large meeting. This event was never realized, but we plan to resurrect this idea for the 2013-2014 school year.

We actively courted the university and departments to obtain a prime location for our meetings, but were turned down. Efforts continue, however. A suitable location was found, but more ideal locations surely exist. We hope to push for such a meeting place to start having meetings in Fall 2013.

Student liaisons in the college of business in programs such as Logistics were appointed early on. These students successfully brought in students from non-technical fields to our chapter meetings. Such attendance has been nearly non-existent in the past with the exception of large events focused on public policy.

For our first chapter meeting on September 11th, we welcomed Dr. Larry Satkowiak of ORNL, future INMM VP. He commented on how the events of 9/11 changed the field of nuclear materials management and gave a historical overview of the past 50 years of nuclear materials management history. About 25 people attended the meeting.

Our second meeting was held on October 2nd, and our speaker was Dr. Lee Riedinger, vice- chancellor for research, physicist, former science advisor to Senator and Chief of Staff Howard Baker, and director of the groundbreaking CIRE program at ORNL. The meeting was attended by almost 30 students, including students in economics, chemistry, pre-med, and logistics.

Our last meeting was held on November 13, and our speaker was Mr. Alex Enders, deputy program manager for the Second Line of Defense (SLD) program at ORNL. Mr. Enders gave an overview of the SLD program.

This discussion involved the difficulties associated with installing equipment in over 50 different countries, as well as some of the policy implications of the SLD program.

In the spring semester, our President, Brady Miller, accepted a co-op with Dominion. Our officers appointed Seth Jobe as the acting president for this spring semester. The chapter has been productive despite this change. Currently, the University is implementing a new system to organize and mobilize student organizations, called Go@UTK. This system allows our chapter to post news, meeting information, chapter documents, member rosters, as well as offers mass communication capability.

In February, we began the process of planning our second annual nuclear public forum. Last year, we invited professors and nuclear professionals to attend a town hall meeting on nuclear security and technologies. We are currently taking suggestions from professionals and students alike to determine which nuclear issues they would like to learn more about, or feel would benefit from informed public discussion.

Unfortunately, from March until June, our chapter has experienced setbacks but some progress. This transition did not prove to be as successful as had initially been hoped. I regret to say that little activity has occurred in this time. However, this is not to say we are not excited for the new school year and the chance to grow the UTK INMM chapter into a thriving student organization. Our officers for this year have had the opportunity to intern at Oak Ridge National Lab (ORNL) over the last several months and throughout this summer. We also have the good fortune of having officers and student members in several groups and divisions within ORNL. We are eager to bring in speakers who we know personally. Hopefully this will contribute to a familiar and personal tone to talks given at the university. The speakers should also benefit from this arrangement by easily receiving feedback from students.

We have turned to social media sites to help advertise our chapter events. A Facebook page created earlier this year has posted several stories relevant to nuclear security and safeguards that we hope has helped increase the interest of students subscribing to the page. Soon we plan to start a Twitter account as well to increase the visibility of UTK INMM and nuclear security in general.

UNIVERSITY OF TENNESSEE, KNOXVILLE STUDENT CHAPTER (CONT.)

Activity was not what we hoped the spring semester would bring, but our hopes remain high for the coming year as we plan out new ways to grow our chapter.

II. Current Officers (* denotes newly appointed position since last report)

President: John Stooksbury* (jstooks9@utk.edu)

Vice-President: Blake Palles* (bpalles@utk.edu)

Treasurer: Blake Palles (bpalles@utk.edu)

Our current faculty advisor is Dr. Jason Hayward (jhayward@utk.edu), and new faculty member Dr. Steve Skutnik as well as departmental researcher Dr. Ondrej Chvala have both expressed interest in becoming more involved with INMM @ UTK.

III. Financial Statement

Currently, available chapter funds are \$815. The planned uses of these are to provide food at all meetings, parking vouchers for meeting speakers, and contribute to the planning and operation of our fall Town-hall meeting. Financial assistance will be sought from the college of engineering to help facilitate this high profile function, in addition to the funds we will be able to provide directly.

IV. Membership

Chapter membership remains free to members who have registered with national INMM. We push all who attend meetings to register and attend or present research at the INMM conferences. Our last meetings have consistently

brought in around 20 attendees. We have no reason to expect any less in future meetings. Student attendance per meeting exhibited a noticeable increase over the course of this year compared to the 2011-2012 year.

V. Conclusion

The year as a whole has been mixed with successes and setbacks for our chapter. Planning that took place last summer definitely boosted the chapter's performance initially, and so we plan to have similar summer officer meetings this summer. During the fall semester, large group efforts were made to publicize meetings and talks by plastering all regions of campus with fliers. Social media helped with this visibility to campus as well. Student Liaisons from departments proved to be invaluable to reaching students in non-technical majors of study. This tactic will be employed in the future to the greatest extent possible. Student attendance has been higher this year than any other time I have personally experienced.

I regret the setbacks we have faced, but I am thankful to now know some of the pitfalls that can harm the organization. Good and bad experience alike will ensure that the UTK INMM chapter is alive and active in the coming years.

UNIVERSITY OF WASHINGTON STUDENT CHAPTER

Dan Arnaudo, Chapter President

This report covers chapter activities since the report of February 2013. We held several events in spring, including a talk by Chris Toomey of PNNL Seattle on Iran’s nuclear program and a trip to tour Reed College’s nuclear research reactor in Portland. At the end of the Spring Quarter in June we elected a set of executive officers, which include new Treasurer Pat Origines and new Vice President Shirin Lofti.

The leadership of the UW student chapter had meetings in February and April to discuss potential collaboration and future planning with the INMM Pacific Northwest Chapter, including INMM members Douglas Trout and Jason Shergur, who have agreed to take a lead in future collaborations between the UW and PNW chapters. Unfortunately, we had to cancel the trip to Hanford because of serious logistical difficulties, but plan to put together a trip in the fall that will include a tour of the B reactor and talks by PNNL staff.

April 17th, we held a successful and well attended talk by PNNL researcher Chris Toomey on campus, where he discussed “Iran’s Nuclear Program - Economic Rationale and the Impact of Sanctions” and took questions from a diverse group of students from the international studies, political and physical sciences programs. Next month a contingent went to Portland to tour the research reactor at Reed College, the only system in the country that is totally student operated. They also gave us a tutorial on shielding and basic materials management practices, and we are considering a return next spring.

We continuing to strive to increase our membership and improve our links with the science and engineering departments at UW, as our current membership is mostly policy focused, and the broader INMM membership is more interdisciplinary. We have been holding ongoing discussions with members of the PNW chapter on how to attract more students from the physical sciences and engineering schools, and plan to hold at least one talk a quarter with the support of the regional chapter on either a policy, scientific, or topical subject such as nonproliferation, safeguards or verification procedures. Increasing membership continues to be major focus of our discussions with both our student and PNW INMM members, and we hope to grow in a diverse way next year with the help of regular events, both on and off campus.

Dan Arnaudo, President
 Shirin Lofti, Vice President
 Pat Origines, Treasurer
 Wes Kovarik, Secretary

Budget

Description	Debit	Credit
Current Balance		\$421.44

TECHNICAL DIVISION REPORTS

FACILITY OPERATIONS TECHNICAL DIVISION

Shirley Cox, Chair

The Facility Operations Technical Division is working with the MC&A and the Nuclear Security and Physical Protection Divisions as well as representatives from the NRC and DOE to co-sponsor and plan a Risk-Informed Security workshop to be held in Atlanta, Georgia, in October 2013. The program will have very focused and knowledgeable speakers to attract the targeted audience anticipated. The planned workshop is already gaining interest from the nuclear nonproliferation supporters throughout the world.

Various members have expressed concern about continued participation in INMM meetings as a result in the on-going conference participation rules throughout DOE. The members are concerned that loss of such forums will vastly reduce the sharing of lessons learned and operational experiences and issues. Continued communication on this topic from the INMM EC is appreciated to help affected members understand the challenges and perhaps suggest alternatives for professional networking and communication vehicles to supplement, not replace, INMM Annual Meetings.

The Facility Operations Technical Division continued developing contacts and identifying common interests to further discuss during the next Technical Meeting during the 2013 Annual Meeting. Each of the Committee Chairs, as identified below, will present or have a representative to present to the Technical Division some topic specifically related to our Division's mission. Amy Johnson, Nuclear Materials Manager for Louisiana Energy Services (LES) near Eunice, New Mexico, will be one of the speakers at the Technical Division meeting which should provide a special and interesting message in support of our goal to increase commercial and international interests and relationships.

Subcommittees and Leadership:

- Nuclear Fuel Cycle Operations, TBD (includes Mining/Milling, Conversion Processes, Enrichment, Fuel Fabrication, Power Generation, Reprocessing Facilities) (TBD)
- Facility and Materials Operations, Ben Watts
 - Inventory Management -supply, usage, and storage
 - Safety, Safeguards, and Security Integration
 - Deinventorying
 - Disposition and Decommissioning
- Facility and/or Process Modernization , Skip Kerschner
 - New Facility Design Integration
 - Facility Life Extension
- Regulatory Compliance, Sam Savani
 - Policy, Licensing, and Requirements
- Junior Editor – Representative to Journal, Sam Savani
- Communications Committee, Jeff Allender
 - Website Interface
 - Technical Divisions Interface

The prior "Nuclear Materials Management Special Sessions" focused on facility operations are now incorporated into the Facility Operations Technical Division. Members and participants with this interest and background represent an important focus within the DOE/NNSA communities. Additional interest and focus on the commercial and international communities are also being emphasized to provide a forum for facility operations throughout the world.

Shirley Cox, Chair

Rose Martyn, Vice Chair

Virginia Magoulas, Secretary

INTERNATIONAL SAFEGUARDS TECHNICAL DIVISION

James Larrimore, Chair

The International Safeguards Division (ISD) of INMM had another busy and successful year from June 2012 through June 2013, with the INMM Annual Meeting in July 2012; ISD technical division meetings; activities of the Open-Source/Geospatial Working Group; and preparations for the 2013 INMM Annual Meeting. This annual report highlights the ISD activities in serving the international safeguards community through INMM involvement with important developments in international safeguards.

International Safeguards at 53rd INMM Annual Meeting, July 2012

The technical sessions organized by ISD at the 2012 INMM Annual Meeting in Orlando, Florida were well attended. ISD organized 19 sessions, including eight Special Sessions and sessions which included panel discussions. Susan Pepper led the organization of international safeguards sessions at the Technical Program Committee meeting, with participation by George Baldwin, Ana Claudia Raffo Caiado and Rick Wallace from the ISD Management Team. Special international safeguards sessions were organized, with Mark Schanfein providing ISD coordination, on the topics: Post-Fukushima Challenges in Safeguards and Security, Open-Source and Geospatial Information for International Nuclear Safeguards, Safeguards Science for Verification, The Role of SSAC/RSAC under the State-Level Concept, Process Monitoring, UF6 Cylinder Tracking, Reprocessing: Modeling and Measurements, Antineutrino Detection, Policy Challenges and Country Issues, International and Regional Cooperation, Process Monitoring, Unattended and Remote Monitoring and Environmental Sampling, Advances in NDA Technology and Software, and Nondestructive Assay of Spent Fuel Assemblies. In addition to the special sessions, there were technical sessions on other current topics, several of which were co-sponsored with other Technical Divisions.

ISD Divisional Meetings

Orlando, Florida, July 2012

The ISD meeting on Sunday afternoon, July 15, had a large turnout. It began with a report by Steve Ward on the INMM Workshop, "Evolving the IAEA State-Level Concept," which was held in May 2012. Steve was followed by Karl Horak who reported on the formation of the Open Source-Geospatial Information (OS-GI) Working Group within the ISD. Karl was followed by reports on nuclear developments by representatives of several countries and international

organizations. Following the break, members of the Technical Program Committee introduced the special sessions arranged on topics related to international safeguards. Jim Larrimore led a short discussion of workshops being planned for the 2013-2015 timeframe. The sessions closed with an open discussion of safeguards developments.

ISD at ESARDA, May 2013

ISD held a technical division meeting during the 35th ESARDA Symposium held in Bruges, Belgium from May 27-30, 2013. Gotthard Stein, assisted by Marius Stein, organized the ISD meeting following the ESARDA working group meetings, late on Monday afternoon, May 27. Michael Whitaker gave a presentation and led a discussion on US safeguards research and development activities. The meeting was well attended by approximately 60 participants.

Open-Source / Geospatial Information Working Group

The Working Group on Open-source/Geospatial Information has continued to be active in ISD to facilitate cooperation between persons engaged in this area. A special session was held during the 2012 Annual Meeting, attended by approximately 60 individuals. At that time Karl Horak was elected chairperson and Irmgard Niemeyer was elected vice-chairperson. Another special session is scheduled for the 2013 annual meeting with both ISD and NAC.

The Working Group continues to maintain a LinkedIn

forum for the exchange of information. There are 31 active members of the forum as of June 1, 2013. Interested persons are encouraged to visit <http://www.linkedin.com/groups?gid=4037205> and request membership. Those with .gov and iaea.org e-mail addresses are pre-approved for membership.

INMM/ESARDA Workshop, 2014

ISD, in consultation with the IAEA, is exploring a joint workshop with ESARDA as a continuation of the successful Workshop on "Evolving the IAEA State-Level Concept" which was hosted by the Northeast Chapter at the University of Virginia in Charlottesville, May 14-16, 2012. ESARDA is expected to host the workshop in Europe in the first half of 2014 and ISD will participate in organizing the technical program.

INTERNATIONAL SAFEGUARDS TECHNICAL DIVISION (CONT.)

International Safeguards at INMM 54th Annual Meeting, July 2013

Susan Pepper led the organization of international safeguards sessions at the Technical Program Committee meeting, with participation by the ISD Management Team. There will be 19 ISD technical sessions on current topics, several of which are co-sponsored with other Technical Divisions.

ISD Management Transition

Following a long and successful reign as the Chair of ISD, Jim Larrimore will be “handing the gavel” to Michael Whitaker at the 2013 INMM Annual Meeting. We appreciate all of Jim’s dedicated efforts in leading the many activity and events conducted through ISD and look forward to his continued advice and consultation in the future.

Also in 2013, Ana Raffo-Caiado began an assignment with the IAEA as Director of the Division of Programme Support and Coordination within the Department of Technical Cooperation. As a result, she resigned from the ISD management team.

ISD Management Team:

Jim Larrimore

Gotthard Stein

George Baldwin

Susan Pepper

Mark Schanfein

Marius Stein

Michael Whitaker

MATERIALS CONTROL AND ACCOUNTABILITY TECHNICAL DIVISION

Cary Crawford, Chair

The MC&A Division is currently working with the Nuclear Security and Physical Protection Division and the Facility Operations Division as well as representatives from the NRC and DOE to plan a Risk-Informed Security workshop to be held in October, 2013. The program is firming up nicely and early indications are that the conference will garner significant attention.

NDA User’s group – Stephen Croft

The NDA user’s group plans to meet in conjunction with the INMM 54th annual meeting in July in Palm Desert, CA, USA. Topics to be addressed for this meeting are welcomed and can be sent to Stephen Croft at crofts@ornl.gov . Stephen has taken this role from Jeff Chapman. The Division would like to thank Jeff for his work on this User’s group and commitment to serving the INMM in this capacity.

DA User group – Jon Schwantes

The DA User’s Group also plans to meet at the 54th annual meeting in July in Palm Desert, CA, USA. Topics to be addressed for this meeting are welcomed and can be sent to Jon Schwantes at jon.schwantes@pnnl.gov.

Accounting Systems subcommittee

The Accounting Systems Committee continues to monitor systems development projects across the nuclear security enterprise. We are monitoring the development activities related to the manufacturing execution systems at both Y-12 and Pantex. In addition, we are monitoring on a monthly basis development activities and software changes associated with LANMAS, as well as the Y-12 effort related to their Nuclear Materials Accountability Systems Transformation Project. We received one inquiry and request for assistance from a DOD contractor for information related to an MC&A inventory system. We are continuing to solicit papers for the INMM annual meeting. An emerging focus that we would like to promote and explore is that of the integration between cyber security and nuclear materials accounting systems. Any interest in this topic should be referred to Andrew Jackson at jacksonaj@y12.doe.gov.

Cary Crawford - Chair

Mike Baker - Co-Chair

Amy Wilson - Secretary

NUCLEAR SECURITY AND PHYSICAL PROTECTION TECHNICAL DIVISION

Tom Bonner, Chair

The Nuclear Security and Physical Protection Technical Division (NS&PP), together with the Facility Operations and Material Control and Accounting Technical Divisions, continue to support a workshop focusing on a risk informing security orientation to support efforts by the Nuclear Regulatory Commission (NRC), the Department of Energy, and others to identify innovative and creative methods for evaluating risks to nuclear assets. The workshop has generated a significant level of interest from the U.S. government, as well as the international community, as it is related to the recent security summit in the Republic of Korea. Development continues on this workshop, which is planned for October 2013 in Atlanta, Georgia. Felicia Durán has taken the lead on NS&PP coordination support for this event.

From an administrative perspective, a revision to the charter for the NS&PP Technical Division has been submitted to update the previous version.

NS&PP planning continues for the Institute's Annual Meeting and our Technical Division meeting this summer in Desert Springs, California, at the 54th Annual INMM.

Fifty nine NS&PP related abstracts had been received and accepted by the Technical Program Committee for presentation at the annual meeting. We planned seven sessions at the Annual Meeting, including one Joint Special Session with the Education and Training Technical Division that addresses International Perspectives in Nuclear Security Training and Centers of Excellence. Other planned sessions include the following:

- Protection of Critical Infrastructures,
- Facility Design and Integration,

- Nuclear and Radiological Detection Technologies (2 sessions),
- Protection Assessment methodologies and Simulation Modeling, and
- Threat Identification and Definition.

Because of fiscal impacts from sequestration and from DOE limits on conference travel, a number of NS&PP related papers have been withdrawn from presentation. The final impacts will remain unknown until DOE approves attendance, which may result in additional papers being withdrawn.

The Sunday afternoon Technical Division meeting agenda remains under development. Currently projected are a presentation by Joe Rivers of the NRC that will address the planned Risk Informing Security Workshop and a presentation by Felicia Durán addressing previous related activities. In addition, Paul Ebel will provide a presentation on the Nuclear Security Culture exercise activities in Indonesia. We will also ask the chairs of the standing committees who are able to attend, to briefly summarize new developments and activities in their topical areas. Finally, we will be soliciting input regarding a 2014 joint special session with the MC&A Technical Division and the Facility Operations Technical Division that will address Cyber Security and the Protection of Nuclear Security Information.

Tom Bonner NSPP Division Chair

Felicia Durán NSPP Division Deputy Chair

