

**66TH PSME NATIONAL CONVENTION TECHNICAL SEMINARS SCHEDULE**

**SMX CONVENTION CENTER, PASAY CITY**

**OCTOBER 17-20, 2018**

**October 17, 2018 (Wednesday)**

Time	Plenary Room ( Function 5 & 4)	Function Room 3	Meeting Room 2 & 3
9:00 - 12:00	Student Conference	none	
1:00 - 2:00		Comparative Study of Pressure Drops on a Micro Expansion Device for the Development of a Mini Vaccine Carrier Kit Engr. Elmer Dollera	none
2:10 - 3:10		Biogas Production Utilizing Vegetable Wastes Prevalent in Cagayan De Oro City Public Markets Engr. Dennis Ganas / Dr. Consorcio Namoco Jr.	
3:15 - 4:15		Project Information Management System Engr. Randy Balaoro	Office Bearers' Course (OBC)
4:20 - 5:20		The Mechanical Engineer as a Safety Inspector Engr. Romeo Francisco	
5:25 - 6:25		Process Thermal Reduction Gasification to Hydrogen and Electricity from Solid Waste Engr. Ronald Talion	
6:30 - 9:00		Chapter Presidents' Time with the BOD	

**October 18, 2018 (Thursday)**

Time	Plenary Room (Function 4&5)	Ground Floor (PHILMACH Area)	
		Technical Room 1	Technical Room 2
		Mechanical Design and Manufacturing	Management and Technology
8:00-9:00	PHILMACH OPENING	none	
9:00 - 11:45	FORMAL OPENING	none	
11:45-12:00	Reign-Nan Sales Industry & General Contractor, Inc. (Gold Sponsor)	none	
12:00-1:00	LUNCH BREAK		
1:00-2:00	<b>Dialogue with the Board of Mechanical Engineering</b> Hon. Jesus M. Redelosa, Hon. Mirardo C. Malazarte Jr., Hon. Lorenzo P. Larion		
2:15-3:15	PRC Implementation of RA 10912 Engr. Rudy Gaspiilo	Using Enhanced Internal Heat Collectors for Solar Still Engr. Darwin Murillo	2nd Law of Thermodynamics Engr. Dennis Jose Dionisio
3:30-4:30	Wind Tunnel Experiments of Turbulent Phenomena Engr. Liberato Virata/ Mr. Seki Nobumasa/ Noel Sekishita -JSME	Recycling High-Density Polyethylene (HDPE) and Polyethylene Terephthalate (PET) Plastics of Alubijid, Misamis Oriental into Plastic Slab using Solar Furnace Engr. Nelson Corbita Jr.	Case Study of Efficiency Improvement on Specific Steam Consumption Engr. Roger G. Reyes/ Mr. Sachin Parab
4:45-5:45	Mechanical Engineering Law, Code of Ethics and Professional Standards (RA 8495) Hon. Fernando Guevara	Innovation Energy Efficient Air Treatment Solutions Engr. Leonardo Comela/ Mr. Cian Liang	The Digital Mechanical Engineers – Next-Gen Engineers Engr. Christian Dela
7:00-11:30	<b>Fellowship Night at One Esplanade</b>		

**October 19, 2018 (Friday)**

Time	Function Room 5 (3rd POWERCON)	Function Room 4 (2nd HVACCON)	CPD Technical Session	
			Ground Floor (PHILMACH Area)	
			Technical Room 1 (2nd MAINTCON)	Technical Room 2 (2nd BOILERCON)
8:00-11:45	DOLE Dr. Ma. Teresita Cocueco	Basic Thermodynamic Principles and Applications of HVAC Engr. Armando Emata	Computerized Maintenance Management System Engr. Bernabe Salazar Jr.	Feasibility Study of Combined Heat & Power Plant using Biogas Fuel from Anaerobic Digestion Engr. Edwin Delgado
	DOE Hon. Petronilo L. Ilagan			
	NAPOCOR Hon. Pio Benavidez	HVAC Design Method using Psychrometric Calculation Leading to A/C Equipment Selection Forging Industry	Review on the Design of Hydrogen Cooled Generators of Ilijan Power Plant	
	PNOC Renewables Corporation			

	Dir. Abbin Dalhani	Engr. Edgardo Florindo	Engr. Jose Francisco Jr.	Engr. Joel Girado
	Implementation of Energy Management System	Cooling Load Calculations	Predictive Maintenance using Vibration Analysis of Rotating Machinery: Best Practices and Innovations	Boiler Sizing
	Engr. Janu Encarnacion	Engr. Allan De Villa	Engr. Jolito Ramos	Engr. Simon Turno III/ Thermax
11:45-12:00	Supreme Steel Pipes (Gold Sponsor)	Thermax (Gold Sponsor)	Product Presentation	Product Presentation
12:00-1:00	LUNCH BREAK			
1:00 - 2:00	DOLE	How to Design HVAC System for Offshore Marine Oil and Gas Application	Application of Maintenance Concepts in a Manufacturing Industry	Energy Efficiency Improvement for Boiler Systems - Possibilities for the Improvement of Energy Efficiency in Terms of Steam Generation
	Hon. Silvestre Bello III	Engr. Roseller Torre	Engr. Edgar Zulaibar	Engr. Anton Navarro
2:15-2:45	Concepcion Carrier Airconditioning Corp. (Gold Sponsor)	Martech Boiler (Gold Sponsor)	Product Presentation	Product Presentation
3:00-4:00	Energy and Resource Assessment including Implementation and Monitoring : Basis of Re-Engineering and Development of Sustainable "X" Building & AMP; Resort in the Philippines	Overview of Air Conditioning System Design for Wafer Fab Cleanroom	Maintenance Concepts & Current Trends	Steam Distribution & Condensate Recovery System
	Engr. Moses Mabute	Engr. Donny Matthew Gabriel	Engr. Lamberto Dimaano	Engr. Rogelio Reyes/ Brijesh Dev
4:15-5:15	Energy Savings using Variable Speed Drive System	Adopting International Best Practices for Philippine Air Conditioning System	Technical Safety Inspection of Mechanical Equipment for DOLE Compliance	Boiler Operation and Maintenance
	Engr. Dennis Jose Dionisio	Engr. Jerry Asuncion/ Mr. Tadeusz Jagusztyl	Engr. Gerry Famucol	Engr. Simon Turno III
7:00-11:00	<b>DON TOBIAS P. MARCELO AWARDS NIGHT</b>			
<b>October 20, 2018 (Saturday)</b>				
<b>Time</b>	<b>Function Room 5 (1st ENVICON)</b>		<b>Technical Room 1 (2nd FIRECON)</b>	<b>Technical Room 2 (2nd FIRECON)</b>
8:00- 9:00	The Ecological Solid Waste Management Act of 2000, RA 9003 IRR		Conflict Between Fire Code, ME Code and NFPA Code	Developing an Integrated Approach for Fire Protection System
	Engr. Ronald Talion		Engr. Paul Ryan Roque	Engr. Luis Tan
9:00- 10:00	RA 8749, Otherwise known as the " Philippine Clean Air Act of 1999"		Calculation Methods for Egress Prediction	Fire Protection Design of High-Rise Building
	Dr. Cleofas Maceda		Engr. Arthur Merillo	Engr. Alexander Listana / Engr. Ronnel Baes
10:00- 11:00	Clean Water Act of 2004, RA 9275 IRR		Fire Protection for Storage Facilities	Means of Egress of Life Safety Code
	Engr. Alberto Recla Jr.		Engr. Alexander Listana	Engr. Nardito Cornelio Jr. / Maj. Jan Garry Lunas, BFP
11:00-12:00	The Sustainable Environmental Protection Programs of DENR		Design and Installation of Foam Water Fire Protection System	BFP Programs and Updates
	Engr. Alberto Recla Jr./ Sec. Roy Cimatua, DENR		Engr. Nardito Cornelio Jr. / Engr. Ronnel Baes	Gen. Leonard Baniago, BFP
12:00-1:00	LUNCH BREAK			
1:00-2:00	Professional Practice Workshop		Internal Affairs Workshop	Education Workshop
	Engr. Nardito Cornelio Jr.		Dr. Jeffrey Singson	Engr. Jose Francisco
2:00-2:30	Motivational talk		Performance Evaluation of a Heat Pump Dryer at Varying Sample Load Capacity per Batch Drying	Air Distribution System in Air Conditioning
	Atty. Romulo Macalintal		Engr. Adonis Closas	Engr. Edgardo Florindo
2:30-3:00	Innovation and Entrepreneurship		None	
	Mr. Wilson florez			
3:00-4:00	Report on Workshop Proceedings Plenary Hall (CPD Subject Matter Meeting)		None	
4:00-5:00	General Membership Meeting (CPD Subject Matter Meeting)			