

CPD Plenary and CPD Technical Session

October 19, 2016 (Wednesday)					
Time					
1:00 pm	Officer's Bearer Course Senining, Gregorio S.				
October 20, 2016 (Thursday)					
	CPD Plenary Session	CPD Technical Session			
TOPIC					
Time	MAIN HALL	ROOM 1	ROOM 2	ROOM 3	ROOM 4
1:15 -2:15	The Mechanical Engineering Education and the Industry's needed Response to Megatrends and Clean Disruption	Investigation on the Emission of a Diesel Generator Fueled by Producer Gas Derived from Jatropa Press-cake on Dual – Fuel Mode Using Response Surface Methodology	Development and Analysis of Dual Plane Chebyshev Rice Transplanter Mechanism	On the Compression of a Stack of Truncated Elastomeric Cones as a Nonlinearly Responsive Spring	Grease Plant Workplace Ventilation Engineering and Management Problems in Critical System Operations Conceptual Analysis: Basis of Re-Design and Development of Ventilation System HVAC
	Virata, Liberato S..	Arbon, Nechoh A. Biona, Jose Bienvenido Manuel M. , Maglaya, Archie B. Monorom, Rith	Bautista, Anthony James C.	Bautista, Basil Aloysius P.	Mabute, Moses B. Jr.
2:30-3:30	Operating and Troubleshooting the Biological Wastewater Treatment Plant: Best Practices Plus a Lot of Trial-and-Error	Jatropha as a Renewable Source for Biofuels	Design and Development of The Shell of a Solar Powered Car Using Computer Aided Design and Computational Fluid Dynamics	Condition-Based Maintenance Best Practice	The Development Of Portable Pneumatic Vulcanizing Machine
	Casulla, Charlemagne M. Cornello, Nardito, M. Jr.	Rith, Monorom, Biona, Jose Bienvenido Manuel M., Sar, Sambo, Gonzaga, Jeremias A., Maglaya, Archie B.	Pantua, Conrad Allan R., Gue, Ivan Henderson, V., Marfori, Isidro III V., Gonzales, Jeremias A.	Gelera, Erickson	Fortaleza, Benedicto N. Balanay, Florencio G., Cantay, Johnrey S. , Dayrit, Augustine A., Gandia, Danicko M.,Pingol, Juvelino P.
October 21, 2016 (Friday)					
	CPD Plenary Session	CPD Technical Session			
TOPIC					
Time	MAIN HALL	ROOM 1	ROOM 2	ROOM 3	ROOM 4
8:00-9:00	OFW Mechanical Engineers & Management Professionals Re-integration Initiative to the Philippines Mainstream	Jatropha Seed-derived Producer Gas Fumigation in a Stationary Diesel Genset: Performances and Emission Characteristics	Fabrication and Optimization of Ball Mill for Grinding Nannchloropsis sp. for Bradford Protein Analysis	Facilities ASSET and Maintenance System (FAMS) Pre-Integrating Asset Management System (AMS) with Computerized Maintenance Management System (CMMS)	Analysis of Air Conditioning System Performance using Flow and Heat Transfer Simulation Software ANSYS CFX
	Malagapo, Eduardo P.	Rith, Monorom, Maglaya, Archie B., Biona, Jose Bienvenido Manuel M., Sar, Sambo Gonzaga, Jeremias A.	Ubando, Aristotle T., Javier, Justyn, Loriaga, James, Pangan, Owen, Gin Suk Ki, Mayol, Andres Philip, Gue, Ivan Henderson V, Maglaya Archie B.	Maglaya, Archie B. Espiloy, John Philip L.; Aquino, Bobby T.; Asumbrado, Prince Englebert P., Fernando, Arvin, H.	Lopez, Neil Stephen A., Galeos, Selena Kay, Dominguez, David Roy, Uy, Bryan Joseph, Calderon, Brian Raphael
9:15 -10:15	Opening of PowerCon DOE Asec. Hon. Mario Marasigan (Guest Speaker) DOE Sec. Hon. Alfonso Cusi (Keynote Speaker) Ms. Ma. Gladys Cruz-Sta Rita (Plenary Speaker 1) Mr. Emmanuel Rubio (Plenary Speaker 2) Mr. J.V. Emmanuel "Jocot" De Dios (Plenary Speaker 3) Mr. Alex Ablaza (Plenary Speaker 4)	Optimization of Helical Coil Heat Exchanger as a Waste Recovery System for Efficient Fuel Consumption	Technology and Project Development of Tiger Grass Pollen Remover with Wood Lathe Machine	Development of Service Level Agreement (SLA) System Based from the Computerized Maintenance Management System (CMMS) Data for Facilities Management Scorecard	Refrigeration Load Calculations for Cold Stores Using an Excel Based Estimating Program
10:15-10:45		Olasiman, Lester Alfred M.	Fadriquel, Orley	Espiloy, John Philip L.,Maglaya, Archie B., Aquino, Bobby T., Fernando, Arvin, H. Asumbrado, Prince Englebert P.	Cabuay, Arnoldo B., Reyes, Rogelio G.
11:00 -12:00		Comparison of the Two Biomass Feedstock used in Biogas Production	Development of a River Flow Simulator Prototype for a Laboratory Experimental Set – Up	Development of Facilities Asset Management System through an MS Excel VBA Integrated with MS Access Database System	Basic and Advance HVAC Design
	Reyes, Rogelio G.	Gonzaga, Jeremias A., Gue, Ivan Henderson V.; Biona, Jose Bienvenido Manuel M. ; Omboy, Byron C. and Maglaya, Archie B.	Fernando, Arvin H., Maglaya, Archie B., Marfori Isidro Antonio V., III	Aquino, Bobby T., Maglaya, Archie B., John Philip L., Espiloy, Fernando, Arvin H. ; Asumbrado, Prince Englebert P.	Reyla, Redentor B.
	CPD Plenary Session	CPD Technical Session			

TOPIC	MAIN HALL	ROOM 1	ROOM 2	ROOM 3	ROOM 4
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		Energy and Environment	Mechanical Design and Manufacturing	Maintenance and Management of Technology	HVAC-R and Other Fields
2:00-3:00	Generate Green Power from Agricultural Waste Biomass Using ORC Technology	Gorlov Helical Marine Turbine for Renewable Energy Production	Design of Piping Network for Close System Application	High Pressure Natural Circulation (HPNC) and Closed Loop Boiler System and Applications	R-12, R-134A, and R-152A: Correlation of their Thermo-Dynamic Properties and Comparisons of Performance Indicators When Used in an Ideal Vapor-Compression Cycle
	Nazare, Antonio M., Reyes, Rogelio G.	Carcasona, Edwin A. Rama, Dunn E., Degorio, Hilario P. Jr., Fabiano, Migraso Jr., Cabana, Danielle D. O., Garces, Julian Paolo M., Longakit, Aldrin Roy, Bulanon, Tiffany Morgan L., Masbad, Neil Arden D., Yang, Mikkel Wilkinson S.	Florindo, Edgardo	Molleno, Gideon Doy III	Catubao, Gaudencio Catubao, N.A., Mancao, D.Y., Jr.
3:45-4:45	Maximizing Power with the Right Energy Mix: Distributed Power (DP) and Combined Heat & Power (CHP)	Renewable Energy Developments in the Philippines	Development of Coupled Bicycles as a Mobile Skills Training Hub for Community Extension Services	Overview of Earthquake Preparedness	Design, Fabrication, and Testing of a Small Scale Wave Energy Converter for Pumping
	Delgado, Edwin F., Reyes, Rogelio G.	De Villa Allan B., Cabaces, Donnalyn Calapatia, Manilyn V.	Galindo, Ronald	Francisco, Romeo G. Jr.	Pastoril, Joey
October 22, 2016 (Saturday)					
8:00-9:00	Mechanical Engineers Career Plan	Thermal, Insulation and Fire Resistance Characteristics of Ternary Blend Geopolymers from Philippine Coal and Rice Hull Ashes	Assessment of Microalgae Production in the Philippines as Alternative Fuel Development of an Adaptive Neural-Fuzzy Network (ANFIS) Model in an Analytical Hierarchy Process (AHP) Methodology for Determination of Life Cycle Impact Factors	Mechanical Characterization of Thin-films, Nano-Materials and 2D Materials: Technologies and Trends	Review of Different Drying Methods Used for Drying Microalgae for Biofuel Production
	Singson, Jeffrey F.	Kalaw, Martin Ernesto,	Gue, Ivan Henderson, V. Ubando, Aristotle T., Maglaya, Archie B.	Mag-isa, Alexander E.	Mayol, Andres Philip, Ubando, Aristotle T., Maglaya, Archie B.
9:00-9:30		An Investigation of the Performance of the Pelamis Wave Energy Converter through Numerical Analysis and Modelling	Design and Evaluation of an Amphibious Trash Recovering Vehicle: A Progress Report	Impact of Innovative Waste to Energy and Climate Change Mitigation	Design and Fabrication of Solar Assisted Thermal Storage using Ice Maker for Air Conditioning Application
9:30-10:00		Flores, Kenneth Earl R. Isla, Igmedio F. Jr., Maglaya, Archie B.	Gan Lim, Laurence A. Castro, Alan Ishmael Garaygay, Mikael, Langilao, Jake Rea, Khristofer Leo	Talio, Ronald O.	Roque, Christien Joy I. Ipanag, Nestor G.
10:15-11:15					Design Criteria of Generator Cooling System for a 2.5MW Permanent Magnet Direct-Drive Wind Turbine Generator
					Augusto, Gerardo L., Culaba, Alvin B., Maglaya, Archie B., Gan Lim, Laurence A.
10:00-12:00	WORKSHOP (PME, APEC, ASEAN Engr., ACPE)	DIVISIONAL WORKSHOP (INTERNAL AFFAIRS) (CPD SUBJECT MATTER MEETING)	DIVISIONAL WORKSHOP (PROFESSIONAL PRACTICE) (CPD SUBJECT MATTER MEETING)	DIVISIONAL WORKSHOP (EDUCATION) (CPD SUBJECT MATTER MEETING)	
1:00-3:00	REPORT OF THE WORKSHOP PROCEEDING (CPD SUBJECT MATTER MEETING)				
3:00-5:00	GENERAL MEMBERSHIP MEETING (GMM) (CPD SUBJECT MATTER MEETING)				