

CPD Plenary and CPD Technical Session				October 19, 2016 (Wednesday)	
and CPD Technical Session					
1:00 pm	Office Bearers' Course				
October 20, 2016 (Thursday)					
CPD Plenary Session		CPD Technical Session			
TOPIC					
Time	MAIN HALL	ROOM 1	ROOM 2	ROOM 3	
		Energy and Environment	Mechanical Design and Manufacturing	Maintenance and Management of Technology	
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	
2:30-3:30	Operating and Troubleshooting the Biological Wastewater Treatment Plant: Best Practices Plus a Lot of Trial-and-Error	Design Criteria of Generator Cooling System for a 2.5M W Permanent Magnet Direct-Drive Wind Turbine Generator	Design and Development of The Shell of a Solar Powered Car Using Computer Aided Design and Computational Fluid Dynamics	Condition-Based Maintenance Best Practice	
October 21, 2016 (Friday)					
CPD Plenary Session		CPD Technical Session			
TOPIC					
Time	MAIN HALL	ROOM 1	ROOM 2	ROOM 3	
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)	
9:15 -10:15	Opening of PowerCon	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	
10:15-10:45					
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	
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		Energy and Environment	Mechanical Design and Manufacturing	Maintenance and Management of Technology	
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	
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	
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-film, Nano-Materials and 2D Materials: Technologies and Trends	
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	
10:15-11:15					