

43rd ANNUAL NATIONAL CONVENTION

TUESDAY

November 13, 2018

Bowling Tournament SM Mall of Asia Bowling Center	Golf Tournament Wack-Wack Golf & Country Club	Plant Tour Bataan Nuclear Power Plant
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LUNCH

Bowling Tournament SM Mall of Asia Bowling Center	Golf Tournament Wack-Wack Golf & Country Club	Plant Tour Bataan Nuclear Power Plant
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**43rd ANNUAL NATIONAL CONVENTION TOPICS AND SCHEDULES**

**WEDNESDAY**

**November 14, 2018**

MEETING ROOM 4,5,6 (AAS)	HALL 1, 2, 3, 4 (EXHIBIT)	FUNCTION ROOM 3	FUNCTION ROOM 4 & 5 (TSC & STP)
<p align="center"><b>EE Student Research Contest</b></p> <p align="center">9:00am - 10:00am Poster Presentation</p> <p align="center">10:00am - 11:40am Oral Presentation</p> <p>Design and Development of Pico Hydro Power Device from Flowing Water in Faucet for Lighting Applications (Lyceum of the Philippines University - Laguna)</p> <p>IoT - Based Wireless Power Monitoring of Appliances (Lyceum of the Philippines University - Laguna)</p> <p>Development of Aerodynamic Magnetic Levitating Vertical Axis Wind Turbine (FEU Institute of Technology)</p> <p>Unmanned Estuary Cleaner (Polytechnic University of the Philippines)</p> <p>Integration of Solar, Wind and Artificial Pico-Hydro Generator Applied in Streetlight: A Community Based Project For Barangay Kaingin, San Pascual Batangas (FEU Institute of Technology)</p> <p align="center">11:40am - 12:00nn Awarding Ceremonies</p> <p align="center">Judges: Engr. Gamaliel F. Itao Engr. Jonathan C. Favi Engr. Roland P. Vasquez</p> <p align="center">Facilitators: Engr. Romano Q. Neyra Engr. Vincent F. Pelago</p>	Exhibit Preparations	JOB FAIR	<p align="center">8:00am - 9:30am TP1 The Digital Filipino Engineers: Upgrading for World Practice (Dr. Florigo Varona/Dr. Ernesto S. De Castro)</p> <p align="center">9:30am - 10:30am STP1 WESTCO: Electrical &amp; Equipment Power Asset Monitoring Condition-Based Maintenance for the Digital Age Engr. Rodolfo R. Peñalosa</p> <p align="center">10:30am - 12:00nn TP2 PRC Updates Hon. Francis V. Mapile</p>
<b>LUNCH</b>			
MEETING ROOM 4,5,6 (AAS)	HALL 1, 2, 3, 4 (EXHIBIT)	FUNCTION ROOM 3	FUNCTION ROOM 4 & 5 (TSC & STP)
<p align="center"><b>EE Faculty Research Colloquium</b></p> <p align="center">1:15pm - 2:00pm Design and Dev't of a Time-Switch using ATMEGA 328P Microcontroller (Alberto R. Delaña)</p> <p align="center">2:00pm - 2:45pm Dev't of Portable Lamp Powered by Matured Coconut Water (Noli M. Esperas, Jr.)</p> <p align="center">2:45pm - 3:30pm Design and Dev't of an IoT Based Home Management System (Oscar Bryan M. Magtibay)</p> <p align="center">3:30pm - 4:15pm Design and Testing of a Solar Pump Controller (SPC) (Thomas D. Ubiña)</p> <p align="center">4:15pm - 5:00pm Dev't of Protective Device during Power Interruption for Air Conditioning Units (Leo Agustin P. Vela)</p> <p align="center">Facilitators: Engr. Ronald Vincent M. Santiago Engr. Roland P. Vasquez</p>	<p>2:00pm - 3:00pm OFFICIAL OPENING OF THE EXHIBIT</p> <p>2:00pm - 7:00pm EXHIBIT VIEWING: Hall 1, 2, 3, 4 Function Room 1,2</p>	JOB FAIR	<p align="center">1:00pm - 2:30pm TP3 Energy Storage, The Next Disruptor... Engr. Eugene F. Araullo</p> <p align="center">2:30pm - 3:30pm STP2 PPI: Practical Application of On-line Partial Discharge Monitoring for Network Performance Improvement Engr. Carl Eastham</p> <p align="center">3:30pm - 5:00pm TP4 2017 Philippine Electrical Code Part 1: Highlights and Impacts Hon. Jaime V. Mendoza</p>

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**THURSDAY**

**November 15, 2018**

<b>FUNCTION ROOM 3, 4 &amp; 5</b>	<b>MEETING ROOM 7,8,9</b>
08:30am-12:00nn OPENING CEREMONIES	(CSC) Student Technical Sessions
<b>LUNCH</b>	
<b>FUNCTION ROOM 3, 4 &amp; 5</b>	<b>MEETING ROOM 7,8,9</b>
1:00pm - 2:30pm IIEE ADVOCACY PROGRAM  Electrical Safety (Engr. Frumencio Tan)  IEC Familiarization (Mr. Jacques Peronnet)  Panel Discussion Q & A Moderators: Engr. Hipolito Lencio Engr. Justo Ma. Lopez, Jr. Engr. Ernesto Cabral Engr. Adelino Garcia, Jr.	(CSC) Student Technical Sessions
2:30pm - 3:30pm K-Ligtas Electrical Safety Excellence Challenge and Awards	
3:30pm - 6:00pm General Membership Meeting	
6:00pm - 11:30pm Practitioners' Night	

**43rd ANNUAL NATIONAL CONVENTION TOPICS AND SCHEDULES**

**FRIDAY**

**November 16, 2018**

MEETING ROOM 4,5,6 (RME)	MEETING ROOM 7,8,9 (AAS)	FUNCTION ROOM 3	FUNCTION ROOM 4 & 5 (TSC & STP)
<p align="center">RME 8:30am-9:30am</p> <p>TP1 Interrupting and Restoring Power - A DU Perspective (Based on Commercial &amp; Industrial Customer's Request) Engr. Ray Anthony Rodriguez</p>	<p align="center"><b><u>Academe Forum</u></b></p> <p>8:00 AM - 10:00 AM K-12 Challenges - Issues and Concerns Engr. Cesar C. Coronado</p> <p>10:00 AM - 11:00 AM PTC Accreditation: A Challenge to HEIs Engr. Ronald Vincent M. Santiago</p> <p>11:00 AM - 12:00 PM Open Forum</p> <p>Facilitators: Engr. Ariel H. Magat Engr. Samuel S. Julio Engr. Jigger F. Bugtong</p>	<p align="center">(CSC) PEC QUIZ SHOW &amp; ESAS</p>	<p align="center">8:00am-9:00am</p> <p>TP5 Island Microgrid (Business and Technology Considerations) Engr. Ramon Asana</p>
<p align="center">9:30am-10:00am</p> <p>STP1 - American Wire and Cables</p>			<p align="center">9:00am-10:00am</p> <p>TP6 Trends on EVs and Charging Stations Mr. Anthony Agoncillo</p>
<p align="center">10:00am - 11:00am</p> <p>TP2 - MOTOR CONTROL / PLC/ VFD Engr. Philip Marvin Joven</p>			<p align="center">10:00am-11:00am</p> <p>TP7 IEC 61850-The Emerging Standard Protocol for Smart Solutions Engr. Jose Marie Melendres</p>
<p align="center">11:00 AM - 12:00 PM</p> <p>STP3 - Panasonic</p>			<p align="center">11:00am-12:00nn</p> <p>TP8 Rotary Ups and High Speed Tranfer System Engr. Almer D. Frades and Voltage Drop Calculation for Lighting and Convenience Socket Circuits Engr. Vergel R. Idos</p>

**LUNCH**

MEETING ROOM 4,5,6 (RME)	MEETING ROOM 7,8,9 (AAS)	FUNCTION ROOM 3	FUNCTION ROOM 4 & 5 (TSC & STP)
<p align="center">1:00pm-2:30pm</p> <p>TP3 Importance of Preventive Maintenance of Electrical Equipment in a Safe Workplace Mr. Casimiro Flores Jr.</p>	<p align="center"><b><u>EE Educators Forum:</u></b></p> <p>1:00 PM - 2:00 PM Electrical Power Distribution: New Technologies and Innovations Engr. Vincent F. Pelago</p> <p>2:00 PM - 3:00 PM Arc Flash Engr. Jozane F. Jalbuena</p> <p>3:00 PM - 4:00 PM Harmonics Engr. Roland P. Vasquez</p> <p>Facilitators: Engr. Ariel H. Magat Engr. Al B. Bunda Engr. Noel L. Olea</p>	<p align="center">(CSC) PEC QUIZ SHOW &amp; ESAS</p>	<p align="center">1:00pm-2:00pm</p> <p>TP9 American and European Standards on Electrical Equipment &amp; Practices Engr. Feldimir D. Siao</p>
<p align="center">2:30pm-3:00pm</p> <p>TP4- Application and Maintenance of Lead Acid Battteries Engr. Ervin Fernandez</p>			<p align="center">2:00pm - 3:00pm</p> <p>TP10 Fundamentals of Power System Modeling Engr. Fortunato C. Leynes</p>
<p align="center">3:00pm-4:00pm</p> <p>STP3 - RME (Lighting Products)</p>			<p align="center">3:00pm - 4:00pm</p> <p>TP11 Turning Ideas Into Realities, Meet the Start-Ups Mr. John Oscar F. King</p>
<p align="center">4:00pm-5:00pm</p> <p>Generator / Transformer Maintenance Engr. Rodolfo R. Peñalosa</p>			<p align="center">4:00pm - 5:00pm</p> <p>TP12 Future Electricity Network Model Mr. Gavin D. Barfield</p>

**43rd ANNUAL NATIONAL CONVENTION TOPICS AND SCHEDULES**

**SATURDAY**

**November 17, 2018**

MEETING ROOM 4,5,6	FUNCTION ROOM 3 (RME)	FUNCTION ROOM 4 & 5 (TSC & STP)
Election Canvassing	8:30am - 9:30am Behavioral Management (Professional Ethics) Engr. Lyndon Bague	8:00am-9:30am TP13 Switchgear Internal Arc Protection in Correlation with Arc Flash Engr. Dionisio Bacudio Jr.
	9:30am - 10:30am RA 11058 - Occupational Safety and Health Standards Dr. Jose Maria S. Batino (OSHC)	9:30am-10:30am <a href="#">STP3 PHELPSDODGE: Electrical Fire Safety for Wires and Cable</a> Engr. Cesar C. Gatpo
	10:30am - 11:30am 21st Century Shipping Challenges Engr. Emmanuel Se	10:30am-12:00nn TP14 The Realities in Arc Flash Studies Engr. Dominico A. Amora
	10:30am - 11:30am RME FORUM	
<b>LUNCH</b>		
MEETING ROOM 4,5,6	FUNCTION ROOM 3, 4 & 5 (PLENARY)	
Election Canvassing	1:00pm - 2:20pm Forum on E-Vehicle Market Trend, Industry Standards and Regulations, Technology and Industry Trend, Environmental and Social Impact Speakers: Mr. Rommel Juan Mr. Paul Catalan Mr. Bong Cruz Mr. Eugene Araullo Mr. Anthony Agoncillo	
	2:30pm - 3:00pm AAPER Engr. Larry C. Cruz	
	3:00pm - 3:45pm LeLAC/PPC Engr. Leo S. Cabasag and Engr. Marlon F. Parot	
	3:45pm - 4:30pm PEC 1 Engr. Gregorio Y. Guevarra and Engr. Marites R. Pangilinan	
	4:00pm - 7:00pm CLOSING CEREMONIES	