

## Sunday, June 23

- 1:00p Registration Open – **2<sup>ND</sup> Floor Escalator Foyer**  
1:00p Vendor Exhibit Setup – **Grand Ballroom 5**  
2:00p (2 hrs) Executive Committee – **St. Johns**  
4:00p (1 hr) Standards Subcommittee Mtg – **St. Johns**  
5:30p Conference Reception – **River Terrace 1**

## Monday, June 24

- 6:30a Attendees' & Guests' Breakfast – **Grand Foyer**  
6:30a Authors' Breakfast - **Daytona**  
7:00a Registration Open – **2<sup>ND</sup> Floor Escalator Foyer**  
8:30a Guest Hospitality Room – **Grand Foyer**

### Session 1: Presiding – Todd Legette, **PPIC Chairman**

#### **Location – Grand Ballroom 7**

- 8:00a Opening Remarks  
8:15a Keynote: "Rayonier Advanced Materials – An Innovative Past and Efficient Future"  
*Paul G. Boynton*  
*President and CEO of Rayonier Advanced Materials Inc.*  
9:15a Impact of Improper Installation, Maintenance and Servicing of Electrical Equipment in Forest Products Industries  
*John A. Kay, C.E.T., Fellow, IEEE – Rockwell Automation*  
*Sidra Malik- Rockwell Automation*  
9:45a **Break**  
10:15a The Problem of Ground Faults on Overhead Lines with High Earth Return Resistance  
*Del John Ventruella, P.E. – High Voltage Maintenance*  
10:45a Assessing the Health of an Electrical System  
*Greg Drewiske, P.E. – Verso Corporation*  
*Austin Kalcec – Verso Corporation*  
11:15a **NPP 1 – TMEIC Corporation**  
"Replacing MV synchronous Generators"  
*Brandon Kim – TMEIC Corporation*  
11:25a Application of Undervoltage Protection to Critical Motors  
*Matt Proctor – Root 3 Power*  
*Terrence Smith, P.E. - GE Grid Solutions*  
11:55a **Lunch – Grand Foyer**  
11:55a **1st Time Attendees' Lunch – River Terrace 3**

### Session 2: Presiding – Mark Zawadzki, **PPIC Technical Program Chairman**

#### **Location – Grand Ballroom 7**

- 1:00p Underfrequency and Undervoltage Load Shedding in an Industrial Plant with Cogeneration Facilities  
*J.C. Das, Life Fellow, IEEE - Power Systems Studies, Inc.*  
*Aaron A. McPhee – Graphics Packaging International*

- 1:30p Making my Paper Mill Safer: An Arc-Flash Energy Reduction Story  
*Haley Newton - Schweitzer Engineering Laboratories, Inc.*  
*Jordan McCrory – Verso Corporation*  
2:00p **NPP 2 – GE**  
"Advanced Motor Protection w/ Electrical Signature Analysis"  
*Eduardo Iglesias – GE*  
2:10p Unique Challenges for Resistance Grounding of High Harmonic Content Power Systems  
*Jeff Glenney, P.E. - Bender Consulting Canada Ltd*  
*Merv Savostianik, P.E. - Bender Consulting Canada*  
*Federico Turner - MegaResistors Corporation*  
2:40p **NPP 3 – ABB**  
"Ability™ Digital Powertrain"  
*Chris Braunlich – ABB*  
2:50p **Break**  
3:20p A Project to Correct Mill Power Factor - Selection and Deployment of a Second Capacitor Bank  
*Chris Burnette, P.E. - ABB Americas Inc.*  
*Chuck Collins - International Paper Company*  
*Warren Hopper, P.E. - International Paper Company (Retired)*  
3:50p A Hidden Hazard - Identifying, Understanding and Preventing Combustible Dust Explosions in Forest Industry Facilities  
*John A. Kay, C.E.T., Fellow, IEEE – Rockwell Automation*  
*David C. Mazur, P.E., PhD – Rockwell Automation*  
4:20p **NPP 4 - ETAP**  
"NetPM™ - Network Project Modeling & Management"  
*Carlos Tlalpan – ETAP*  
4:30p Strategies for Reliable Arc Flash Detection in Low Voltage Switchgear  
*Robert J. Burns, P.E. - Eaton Corporation*  
*Adams D. Baker – Eaton Corporation*  
*Dan E. Hrnecir, P.E. – Eaton Corporation*  
5:00p **Adjourn**

## Tuesday, June 25

- 6:30a Attendees' & Guests' Breakfast – **Grand Foyer**  
6:30a Authors' Breakfast – **Daytona**  
7:00a Registration Open – **2<sup>ND</sup> Floor Escalator Foyer**  
8:30a Guest Hospitality Room – **Grand Foyer**

### Session 3: Presiding – Greg Drewiske, **PPIC Past Chairman**

#### **Location – Grand Ballroom 7**

- 8:00a Opening Remarks  
8:05a Methods for Quantifying Rotor Condition in Synchronous Motors  
*Chris Heron - TECO Westinghouse Motor Company*

- 8.35a A Design Guide to Neutral Grounding of Industrial Power Systems – Part II: Supplementary Topics  
*Nehad El-Sherif, P.E. - MNKYBR Technologies Inc.*  
*Sheldon P. Kennedy, P.E. - Niagara Transformer Corp*  
9:05a **NPP 5 – Post Glover Resistors**  
"Resistor Monitoring Simplified"  
*Stuart Gibbon – Post Glover Resistors*  
9:15a Vintage Low-Voltage Motor Control Centers – Replace or Upgrade?  
*David B. Durocher – Eaton Corporation*  
*Matthew R. Hussey – Eaton Corporation*  
9:45a **Break**  
10:15a Implementing an Intelligent Steam and Electrical Load-Shedding System for a Large Paper Mill: Design and Validation Using Dynamic Simulations  
*Siddharth Rajan – Schweitzer Engineering Laboratories*  
*Guenther Strunk – International Paper Company*  
*Payal Gupta - Schweitzer Engineering Laboratories*  
*Srikar Malladi - Schweitzer Engineering Laboratories*  
*Prasanna Muralimanohar - Schweitzer Engineering Laboratories*  
10:45a Review of the new IEEE STD. 3004.8  
"Recommended Practice for Motor Protection in Industrial and Commercial Power Systems" with Focus on Forest Products  
*John A. Kay, C.E.T., Fellow, IEEE – Rockwell Automation*  
*Lorraine K. Padden, P.E. - Padden Engineering LLC*  
11:15a **NPP 6 – TECO Westinghouse**  
"The Permanent Magnet Option"  
*Allan Grayson - TECO Westinghouse*  
11:25a Most Common Mechanisms and Reasons for Electric Motor Failures in Industry  
*Javier Portos - Integrated Power Services*  
*Kenneth Dean - MOTIVA Port Arthur Refinery*  
*Blake Parker – Integrated Power Services*  
*Jim Cannon - Integrated Power Services*  
12:00p **Lunch (in Subcommittee Meeting Rooms)**  
12:00p **PPIC Subcommittee Meetings**  
Drives and Control Systems – **Grand Ballroom 7**  
Power Distribution Systems – **City Terrace 7**  
Process Control, Engineering, Maintenance, and Construction – **City Terrace 5**  
Safety and Training – **City Terrace 6**  
2:30p **Break**  
3:00p **Full Committee Mtg – Grand Ballroom 7**  
5:00p **Adjourn**

## Wednesday, June 26

- 6:30a Attendees' & Guests' Breakfast – Grand Foyer  
6:30a Authors' Breakfast – **Daytona**  
7:00a Registration Open – **2<sup>ND</sup> Floor Escalator Foyer**  
8:30a Guest Hospitality Room – **Grand Foyer**

### **Session 4: Presiding – Chris Heron, PPIC Secretary/Treasurer Location – Grand Ballroom 7**

- 8:00a Opening Remarks  
8:05a Oxygen at Extremely Low Levels In Transformer  
*Stanley Y. Merritt, P.E. - Highground Services, Inc.*  
*Charles E. Bare II – Highground Services, Inc.*  
8:35a **NPP 7 – Siemens**  
"MindSphere IIoT"  
*Prateek Duggal – Siemens*  
8:45a **PANEL – How to Deal with Obsolete Drive System  
Components and Communication Systems**  
*Greg W. Drewiske, P.E. – Verso Corporation*  
*Steve Pittman - Clearwater Paper Company*  
*Jubin Jackson - New-Indy*  
9:40a **Break**  
10:15a Transformer Fuses - Mind The Gap  
*Del John Ventruella, P.E. – High Voltage Maintenance*  
10:45a **NPP 8 – I-Gard**  
"Automating Electrical Safety: Introducing the AVT  
and iC2"  
*Sergio Panetta – I-Gard*  
10:55a Nuggets of Knowledge - Transformer Service Life  
*Charles E. Bare II – Highground Services, Inc.*  
*Stanley Y. Merritt, P.E. - Highground Services, Inc.*  
11:25a Experiences of a Global Electrical Manufacturing  
Enterprise: The Journey to Become Industry 4.0  
Ready  
*David B. Durocher – Eaton Corporation*  
11:55a **Adjourn**  
12:00p **IAS PPFIC Awards Lunch – Grand  
Ballroom 4**

### **Session 5: Presiding – Alex Wu, PPIC Past Chairman Location – Grand Ballroom 7**

- 1:55p Process Control Networking - Bridging Between  
Process Control and Information Technology  
*Michael Feldkirchner P.E. - Domtar Paper LLC*  
*Christina Lutkus - Domtar Paper LLC*  
2:25p Calculation of Degree of Polymerization in  
Cellulose from Methanol in Oil  
*Stanley Y. Merritt, P.E. - Highground Services, Inc.*  
*Charles E. Bare II – Highground Services, Inc.*  
2:55p **Break**  
3:30p **NPP 9 – Solomon Corporation**  
"Extending the Life of your Electrical Equipment"  
*Brian McCarrick - Solomon Corporation*

- 3:40p **ISA Presentation – No Associated Paper**  
Leverage Your Security System Project: MARSEC  
*H. Pierce Rumph, P.E. - Logical Systems LLC*  
4:10p **Unusual Failures**  
*Moderator – Warren Hopper*  
*International Paper (Retired))*  
4:45p **Adjourn**  
5:40p **Paper Awards / Closing Event - Optional**  
**One Ticked Included in Registration – Additional**  
**Tickets must be Pre-Purchased**  
**Buses Leave Hotel at 5:50p**

## Thursday, June 27

### **Tutorials**

- 7:00a Tutorial Attendees' Breakfast – **River Terrace  
Foyer**  
7:00a Tutorial Registration Open – **River Terrace Foyer**  
8:00a **PPFIC TUTORIAL #1 (12 hrs) – River Terrace 3**  
Tappi Drives Short Course Tutorial  
*Tom Trueb - efiSolutions, Inc*  
*Mark Weaver – 3Quarks Engineering*  
*Michael Highsmith – Rockwell Automation*  
*Michael Kozlowski – ABB*  
*Greg Drewiske – Verso Corporation*  
8:00a **PPFIC TUTORIAL #2 (4 hrs) – Boardroom 3**  
The Internet of Things / Machine Learning  
*Pat Dixon - Global Process Automation*  
*Bill Medcalf - Global Process Automation*  
10:00a **Break**  
12:00p **Lunch – River Terrace Foyer**  
1:00p **PPFIC TUTORIAL #3 (4 hrs) – Boardroom 3**  
1584 Tutorial (Guide For Performing Arc Flash  
Hazard Calculations)  
*Marcelo Valdes – ABB*  
*Albert Marroquin - ETAP*  
3:00p **Break**  
5:00p **Adjourn**  
1:00p **ISA Tutorial (4 hrs) – City Terrace 5**  
An Update on Consistency Transmitter  
Measurement Technology & Process  
Considerations  
*Mike Hendricks - BTG*

## Friday, June 28

### **Tutorials**

- 7:00a Tutorial Attendees' Breakfast – **River Terrace 3**  
7:00a Tutorial Registration Open – **River Terrace Foyer**  
8:00a **PPFIC TUTORIAL #1 (12 hrs) – River Terrace 3**  
Tappi Drives Short Course Tutorial - continued  
10:00a **Break**  
12:00p **Adjourn**



The Institute of  
Electrical and Electronic  
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## 2019 IEEE IAS PULP, PAPER and FOREST INDUSTRIES CONFERENCE (PPFIC)

65<sup>th</sup> Annual Conference  
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