

Sunday, June 18

- 1:00p Registration Open
Bicentennial Pavilion Rotunda
- 1:00p Vendor Exhibit setup
Bicentennial Pavilion D, E, & F
- 3:00p Executive Committee – **Hotel Cavallino Room**
- 5:30p Conference Reception
Bicentennial Pavilion Rotunda, B & C

Monday, June 19

- 6:30a Attendees' & Guests' Breakfast
Bicentennial Pavilion B & C
- 6:30a Authors' Breakfast
Bicentennial Pavilion Economic Development Boardroom
- 7:00a Registration Open
Bicentennial Pavilion Rotunda
- 8:30a Guest Hospitality Room
Living Room 3rd Floor

Session 1: Presiding – Greg Drewiske, PPIC Chairman

Bicentennial Pavilion A

- 8:00a Opening Remarks
- 8:15a Keynote: “787 Electric Power Systems and Future Trends in More Electric Airplanes”
Jeff White
Technical Fellow, Electrical Power Systems – Boeing
- 9:15a **IAS Update**
Steve Coppinger – IEEE IAS Process Industries Department Chair
- 9:30a Document Management for Design Engineering, Construction, and Owner Operators for the New Enterprise
Greg Van Wormer – RKO Solutions
Mike Larkin – International Paper
- 10:00a **Break**
- 10:30a Absence of Voltage Testers: A Guide to Listing Requirements
Rachel Bugaris – Panduit Corp.
- 11:00a Case Studies of Stator Winding Turn Insulation Failures in Medium Voltage Motors
Sang Bin Lee, Kang, Tae-June Kang – Korea University
Heedong Kim, Taesik Kong – KEPCO Research Institute
Chaewoong Lim – SN Heavy Electric Company
- 11:30a **NPP 1 – TECO-Westinghouse**
Quick Ship Vertical Motor & Drive Solutions for the Paper Industry
Allan Grayson
Olin Bundy
- 11:40a Power System Study at a Century-Old Paper Mill
Christopher Burnette – General Electric
Lawrence Farr – Evergreen Packaging Inc
Gary Ogles – Evergreen Packaging Inc

- 12:10p **Lunch – Bicentennial Pavilion B & C**
- 12:10p **1st Time Attendees' Lunch**
Bicentennial Pavilion Economic Development Boardroom

Session 2: Presiding – Todd Legette, PPIC Technical Program Chairman

Location - Bicentennial Pavilion A

- 1:15p MV Generator Ground Fault Arcing Power Damage Assessment
Alex Wu – Global Engineering Company
- 1:45p Successful Technology Upgrade Reduces Thermo-Mechanical Pulp Mill Energy Footprint
Dave Durocher – Eaton Corporation
Mark Higginson – North Pacific Paper Corporation
- 2:15p **NPP 2 – ETAP**
ETAP Star Auto: Automated Protection and Coordination Evaluation
John Francis
- 2:25p Ground Fault Protection - All You Need to Know
Nehad El-Sherif – MNKYBR Inc.
- 2:55p **Break**
- 3:25p Advanced Feeder Protection Applications
Wayne Hartmann – Beckwith Electric
- 3:55p **NPP 3 – WEG**
WEG Specialty Product Solutions for Paper Mills
David Briggs
- 4:05p Optimization of MV Distribution System Designs
Raymond Catlett – ABB Inc
Samy Faried – ABB Inc.
- 4:35p **Adjourn**

Tuesday, June 20

- 6:30a Attendees' & Guests' Breakfast
Bicentennial Pavilion B & C
- 6:30a Authors' Breakfast – **Bicentennial Pavilion Economic Development Boardroom**
- 7:00a Registration Open
Bicentennial Pavilion Rotunda
- 8:30a Guest Hospitality Room
Living Room 3rd Floor

Session 3: Presiding – Mark Zawadzki, PPIC Secretary/Treasurer

Bicentennial Pavilion A

- 8:00a Opening Remarks
- 8:05a Arc Flash Hazard - When Over-Estimating Under-Estimates a Problem
Del Ventruella – High Voltage Maintenance
- 9:05a **NPP 4 – inoLECT**
inoRAC2-M Modular Remote Racking System
Dan Ducote

- 9:15a Digital Excitation Systems - Growing Obsolescence of Aging Systems
Richard C. Schaefer – Basler Electric Company
- 9:45a **Break**
- 10:15a Operation and Starting of PAM Motors Using Vacuum Contactors
J.C. Das – Power Systems Studies, Inc.
Kevin Lancaster – AMEC Foster Wheeler, Inc.
- 10:45a **NPP 5 – Post Glover**
Resistance Grounding Solutions
Stu Gibbon
- 10:55a Operation of Variable Frequency Drive Motor Systems with Source Voltage Unbalance
E.B. Agamloh – Advance Energy
Scott Peele – Duke Energy
Joe Grappe – Duke Energy
- 11:25a Type B Ground-Fault Protection on Adjustable Frequency Drives
Torsten Gruhn – Bender Incorporated
Jeff Glenney – Bender Consulting Canada
Merv Savostianik - Bender Consulting Canada
- 11:55a **NPP 6 – Siemens**
Get Sm@rter with Siemens Sm@rtGear™
Prateek Duggal
- 12:05p **Lunch (in Subcommittee Meeting Rooms)**
- 12:15p **PPIC Subcommittee Meetings**
Drives and Control Systems – **Bicentennial Pavilion A**
Power Distribution Systems – **Bicentennial Pavilion B**
Process Control, Engineering, Maintenance, and Construction – **Hotel Burano Room**
Training, Safety, Standards and Codes – **Hotel Torcello Room**
- 3:00p **Break**
- 3:30p **Full Committee Mtg- Bicentennial Pavilion A**
- 5:00p **Adjourn**

Wednesday, June 21

- 6:30a Attendees' & Guests' Breakfast
Bicentennial Pavilion B & C
- 6:30a Authors' Breakfast – **Bicentennial Pavilion Economic Development Boardroom**
- 7:00a Registration Open
Bicentennial Pavilion Rotunda
- 8:30a Guest Hospitality Room
Living Room 3rd Floor

Session 4: Presiding – Alex Wu, PPIC Past Chairman

Bicentennial Pavilion A

- 8:00a Opening Remarks
- 8:05a Arc Flash Risks in Switchgear Metering Compartments
Marissa Spencer – Eaton Corporation
Thomas Natali – Eaton Corporation
William S. Vilcheck – Eaton Corporation
Jeffery A Brode – Eaton Corporation

- 8:35a Installing, Operating, and Maintaining DC Motors in a Paper Mill Environment
Chris Heron – TECO-Westinghouse
- 9:05a **NPP 7 – Northwest Motor Service**
Motor Reliability Solutions
Tyler Hartshorn
Josh Regina
- 9:15a What Do You Do When the Lights Go Out?
Greg Drewiske – Verso Corporation
Austin Kalcec – Verso Corporation
- 9:45a **Break**
- 10:15a NFPA 70E-15 Shock and Arc Flash Risk Assessment Best Practices
Mike Doherty – eHazard
- 10:45a LED Performance and Application Considerations for Industrial Environments
Devon Jenkins – Eaton Crouse-Hinds
Robert Gibbert – Eaton Crouse-Hinds
Asiri Jayawardena – Eaton Crouse-Hinds
- 11:15a **NPP 8 – Basler Electric**
Single Function Motor Protection: ES-55 Power Factor Relay
Keith Danaher
- 11:25a Methanol as an Ageing Marker for In Service Transformers
Charles E. Bare II – Highground Services, Inc
Stanley Y. Merritt – Highground Services, Inc
- 11:55a **Adjourn**
- 12:00n **IAS PPFIC Awards Lunch**
Hotel Venice Ballroom

Session 5: Presiding – John Kay
PPIC Past Chairman

Location - Bicentennial Pavilion A

- 1:55p PANEL - The “Silver Tsunami” – Our Aging Workforce – Opportunities and Challenges for the Forest Products Industry
Greg Drewiske – Verso Corp.
Warren Hopper – International Paper
Michael J. Feldkirchner – Domtar Paper
- 2:50p On-Line Partial Discharge Condition Monitoring of Complete Networks for The Pulp and Paper Industry: Challenges and Solutions Explained Through Case Studies
Lewis Dodd – HVPD Ltd
Riccardo Giussani – HVPD Ltd
Aaron McPhee – International Paper
Andrew Burgess – PDMSGlobal LLC
- 3:20p **NPP 9 – Eaton Corporation**
Eaton Arc Quenching Magnum DS Switchgear - Personnel and Switchgear Protection in a Flash
Adams Baker
- 3:30p **Break**
- 4:00p Common Problems in Commissioning of HRG Systems
Michael Pingal – i-Gard Corporation
Sergio Panetta – i-Gard Corporation

- 4:30p Unusual Failures
Moderator – Warren Hopper
- 4:45p **Adjourn**
- 5:30p **Paper Awards / Closing Event - Optional**
Tickets must be pre-purchased
Buses Leave Hotel

Thursday, June 22
Tutorials

- 7:00a Tutorial Attendees’ Breakfast
Bicentennial Pavilion F
- 7:00a Tutorial Registration Open
Bicentennial Pavilion Rotunda
- 8:00a TUTORIAL #1 (8 hours):
Bicentennial Pavilion C - (Part 1 of 2)
IAS/TAPPI Paper Machine Drives Short Course
Tom Trueb, EFI Solutions, Inc.
Mark Weaver, 3 Quarks Engineering
Mike Highsmith, Rockwell Automation
Bob Van Lieshout, Rockwell Automation
Peter Werner, PH Werner Consulting LLC
Pat Link, ASDS Inc.
Burt Judson, Retired Rockwell Automation
- 8:00a TUTORIAL #2 (4 hours): – **Bicentennial Pavilion B**
Electrical Safe Work Practices for the Forest Industry – NFPA 70E and OSHA
Daryl D Ray Crow – DRC Consulting
- 10:00a **Break**
- 12:00n **Tutorial Lunch - Bicentennial Pavilion F**
- 1:00p TUTORIAL #3 (4 hours):
Bicentennial Pavilion B
2017 NEC Significant Industrial Changes
Derek Vigstol - NFPA
- 3:00p **Break**
- 5:00p **Adjourn**

Friday, June 23
Tutorials

- 7:00a Tutorial Attendees’ Breakfast
Bicentennial Pavilion F
- 7:00a Tutorial Registration Open
Bicentennial Pavilion Rotunda
- 8:00a TUTORIAL #1 – (4 hours):
Bicentennial Pavilion C
IAS/ TAPPI Paper Machine Drives Short Course (Part 2 of 2)
- 10:00a **Break**
- 12:00n **Adjourn**



The Institute of
Electrical and Electronic
Engineers, Inc.

**63rd Annual Pulp, Paper
and Forest Industries
Technical Conference**

Sponsored by the
Pulp and Paper Industry
Committee
of the
Industry Applications Society

**Murano Hotel
Tacoma, WA**

June 18 - 23, 2017

