

## SUNDAY 12 June

- 1300 Registration Open  
**Lobby Boardroom**
- 1300 Vendor Exhibit Setup  
**Niagara Room**
- 1300 PPIC Standard - Study Group  
**Postponed**
- 1500 Executive Committee Meeting  
**Brock Room**
- 1730 Conference Reception  
**Rainbow Salon**

## MONDAY 13 June

- 0630 Attendee and Guest Breakfast  
**Niagara Room**
- 0630 Author Breakfast  
**Victoria Room**
- 0700 Registration Open  
**Lobby Boardroom**
- 0830 Guest Hospitality Room  
**Victoria Room**

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### SESSION 1 **Brock Room**

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MODERATOR: *M Zawadzki - PPIC Chair*

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- 0800 Welcome / Opening Remarks -*M Zawadzki*
- 0815 **KEYNOTE** 100 Years of Power Generation at Sir Adam Beck 1 - *Kent Keeler*
- 0900 A History of Papermaking Around Niagara Falls - *JA Kay (Consultant)*  
*DC Mazur PhD (Rockwell Automation)*
- 0930 **NPP 1**
- 0940 IEC vs NEMA/UL Medium Voltage Motor Control: Which One Should You Use and Does It Matter? - *H Karandikar, A Delozzo, D Bani (ABB), L Woollen (Cree-LED)*
- 1010 **BREAK**
- 1030 Using IEEE 1584:2018 to Evaluate Recommendations in NFPA 70E Table 130.7.C(15)(a) - *M Valdes (ABB)*  
*P Sullivan (DuPont)*
- 1100 Bleach Plant Pumping System Optimization Case Study - *M Kozlowski (ABB)*  
*WC Livoti (KCF Technology), WS Hopper (retired)*
- 1130 **NPP 2**
- 1140 IEC 61850-Based Advanced Bus Transfer Scheme for Industrial Substations - *R Muziol, C Crites, P Parikh (GE), D Pole (Imperial Oil)*

- 1210 **LUNCH**  
**Niagara Room**

- 1210 **1st Time Attendee Lunch**  
**Niagara Room**

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### SESSION 2 **Brock Room**

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MODERATOR: *T Legette - Int'l Paper*

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- 1315 Every Step You Take: Optimizing DC Machine Selection - *D Rhodes (retired)*  
*C Heron (Integrated Power Services)*
- 1345 **PANEL** Updates to IEEE 841:2021
- 1430 **NPP 3**
- 1440 **BREAK**
- 1500 Motor Control Examined, Categorized, and Optimized - *R Johnson (retired)*  
*D Forsman (International Paper)*
- 1530 Troubleshooting: The Acceptable Energized Work - *K Cunningham (ES Squared)*
- 1600 **NPP 4**
- 1610 Safety Lockout on AC and DC Drives for Paper Mills - *JG Castillon, B Sainz*  
*R Villarreal (AMI Automation)*
- 1640 **ADJOURN**

## TUESDAY 14 June

- 0630 Attendee and Guest Breakfast  
**Niagara Room**
- 0630 Author Breakfast  
**Victoria Room**
- 0700 Registration Open  
**Lobby Boardroom**
- 0830 Guest Hospitality Room  
**Victoria Room**

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### SESSION 3 **Brock Room**

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MODERATOR: *E Held - Secretary*

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- 0800 Developing an Effective Electrical Maintenance Strategy - *G Drewiske (Verso)*
- 0830 Reconditioned LV Circuit Breakers: Considering Electrical Safety for Application in Industry - *D Durocher (retired), T Domitrovich (Eaton)*
- 0900 MV Circuit Breakers and Contactors Are Not The Same - Neither Are Their Protection Methods - *JA Kay (Consultant), LK Padden (Padden Engineering), DC Mazur PhD (Rockwell Automation)*
- 0930 **NPP 5**

- 0940 **BREAK**

- 1000 Different Types of Shaft Bonding and Their Effectiveness - *FC Tranquillini (Toshiba)*  
*B Krusemark (retired), MK Zawadzki (International Paper)*
- 1030 Cost Benefit Analysis of Arc Mitigation Technologies - *H Karandikar, T Neighbours (ABB)*
- 1100 Blowing the Rust Off Motor Storage Practices - *C Heron (Integrated Power Services)*
- 1130 Human Performance in Workplace Electrical Safety - *N El-Sherif (MNKYBR Technologies)*  
*M Doherty (E-Hazard)*
- 1200 **NPP 6**
- 1210 **LUNCH (In Subcommittee Meeting Rooms)**

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### **Subcommittee Chairs serve as moderators**

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*For the meetings below, all are encouraged to attend*

- 1220 Subcommittee Meeting - DCS  
**Canadian A Room**
- 1220 Subcommittee Meeting - PDS  
**Canadian B Room**
- 1220 Subcommittee Meeting - PCEMC  
**King George Room**
- 1340 Subcommittee Meeting - S+T  
**Brock Room**
- 1510 **BREAK**
- 1530 PPIC Full Committee Annual Meeting  
**Brock Room**
- 1700 **ADJOURN**

## WEDNESDAY 15 June

- 0630 Attendee and Guest Breakfast  
**Niagara Room**
- 0630 Author Breakfast  
**Victoria Room**
- 0700 Registration Open  
**Lobby Boardroom**
- 0830 Guest Hospitality Room  
**Victoria Room**

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### SESSION 4 **Brock Room**

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MODERATOR: *C Heron - Vice Chair*

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- 0800 Avoiding Switching Transients on MV Transformers - *J Kruger, M Skovmose, S Dicu (Allnorth Consultants)*

- 0830 The Development of the IEEE P2969 Continuous Thermal Monitoring Standard: A Major Corporation's Commitment to Protect Their Electrical Assets  
- *P Baen (P Baen LLC), F Leija (Weyerhaeuser)*
- 0900 Integral Earthing Within MV MCCs Adds New Levels of Safety - *JA Kay (Consultant)*  
*NC Bhatt, JL Fowler (Rockwell Automation)*
- 0930 **NPP 7**
- 0940 Aged DC Adjustable Speed Drive System: Upgrade or Convert to AC System  
- *M Paaso (Quad Plus), J Hendrix (ABB)*
- 1010 BREAK**
- 1030 Re-Examining di/dt SCR Failure mode in Soft Starters -*SR Simms, TA Farr (Eaton), G Braga (PWP Lab), A Jacobs (Pactiv Evergreen)*
- 1100 A Practical Application of IEEE 1584:2018  
- *A Reeves, M Freyenberger, M Hodder (Eaton)*
- 1130 The Industry 4.0 Lexicon  
- *PJ Dixon (DPAS)*
- 1200 **IAS PPIC AWARDS LUNCH**  
Elizabeth Room

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**SESSION 5** Brock Room  
MODERATOR: *C Heron - Vice Chair*

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- 1400 **PANEL** 1584:2018 What Do We Do Now?
- 1450 **NPP 8**
- 1500 **BREAK**
- 1520 **PANEL** How To Write/Format IEEE Technical Papers
- 1605 **NPP 9**
- 1615 **Unusual Failures**
- 1645 **ADJOURN**
- 1800 Paper Awards / Closing Event (Optional)  
Wayne Gretzky Estates Bus Pick Up Lobby

**THURSDAY 16 June**

- 0700 Tutorial Attendees' Breakfast  
**Brock Room**
- 0700 Tutorial Registration Open  
**Brock Room**
- 0800 TUTORIAL #1 (4 HOUR)  
**Brock Room**  
Fault Analysis of Electrical Distribution Systems  
*Terrence Smith (GE)*
- 0800 TUTORIAL #2 (4 HOUR)  
**Elizabeth Room**  
Electrical Safety Management - Best Practices  
*Mike Doherty (E-Hazard)*
- 1000 **BREAK**
- 1200 Tutorial Attendees' Lunch  
**Brock Room**
- 1300 TUTORIAL #3 (4 HOUR)  
**Brock Room**  
IEEE 1584- Title TBD  
*Daleep Mohla (DCM Consulting) et al*
- 1500 **BREAK**
- 1700 **ADJOURN**



The Institute of  
Electrical and Electronic  
Engineers, Inc.

**2022 IEEE IAS  
PULP and PAPER  
INDUSTRY  
CONFERENCE (PPIC)**

**67th Annual Conference**  
Sponsored by the  
Pulp and Paper Industry  
Committee of the  
*Industry Applications Society*



**Niagara  
Falls, ON  
Canada**

**12-16 JUNE 2022**

