

HYDRO-QUÉBEC 31 SYMPOSIUM — Program Schedule

Monday, November 13 — Place Dupuis			
09:00-12:30	HQ Private	Workshop 1: The IoT evolution in the 4G and 5G networks	Place Dupuis, Salon Bleu, 2 ^d Floor
12:30-13:30		Lunch (Not provided)	
13:30-16:30	HQ Private	Workshop 2 : Future Power Utility Communications Network	Place Dupuis, Salon Bleu, 2 ^d Floor
Tuesday, November 14 — Hotel Bonaventure			
08:30-08:40		Opening Remarks & Symposium and Program Day 1 Presentation	Westmount/Outremont
08:40-09:40	IEEE-HQ JOINT SESSION	P1: Ram Sastry-Building a Smart City: A Perspective from a Power Utility	Westmount/Outremont
09:40-10:30	HQ Private	P2: 4th Industrial Revolution and Digital Utility: Data Science and Microgrid	Westmount/Outremont
10:30-11:00		Coffee Break (Provided)	Ad-hoc Meetings in Saint-Pierre Room
11:00-11:45	HQ Private	P3: The Bitcoin & Blockchain Technology Landscape	Westmount/Outremont
11:45-12:30	HQ Private	P4: Transactive Energy and Blockchain	Westmount/Outremont
12:30-14:00		Lunch (Not provided)	
14:00-14:45	HQ Private	R1: DER Integration: Challenges, Opportunities, and New Capabilities	Westmount
14:00-14:30	IEEE-HQ JOINT SESSION	HQ-D1: AI - Machine Learning and Large-scale Data Analysis, Applied to the Smart Grid	Outremont
14:30-15:00	IEEE-HQ JOINT SESSION	HQ-D2: AI - Machine learning for Equipments' Diagnostic and Pronostic	Outremont
14:45-15:30	HQ Private	R2: Unlocking the Value of Virtual Power Plants Through Residential Solar & Storage	Westmount
15:00-15:30	IEEE-HQ JOINT SESSION	HQ-D3: Smart Charging of Electric Cars	Outremont
15:30-16:00	HQ Private	Coffee Break (Provided)	
16:00-16:30	HQ Private	D4: Artificial Intelligence Serving the Grid : Application to Pictures Analysis	Outremont
	HQ Private	R3: Status and Perspectives of Photovoltaic Solar Energy	Westmount
16:30-17:00	HQ Private	D5: Analytics Challenges - From the Proof of Concept to the Exploitation	Outremont
	HQ Private	R4: PV/Storage : Testbench at LTE	Westmount
17:00-17:30	HQ Private	D6: Understanding the Deep Learning and its Applications	Outremont
	HQ Private	R5: Software Defined Networking with Future Utility Use Case	Westmount
Wednesday, November 15 — Hotel Bonaventure			
08:30-09:40	IEEE-HQ JOINT SESSION	P5: Brian Harrell-Physical Security is From Mars, Cybersecurity from Venus	Westmount/Outremont
09:40-10:30	HQ Private	P6: Practical IoT Security, Eliminating Blind Spots That Cause Unplanned Downtime	Westmount/Outremont
10:30-11:00		Coffee Break (Provided)	
11:30-11:45	HQ Private	P7: How Cognitive Intelligence Enables Near-Instant Reactions to Digital Threats	Westmount/Outremont
11:45-12:30	HQ Private	P8: Cybersecurity for Smart Grids Using an IT/OT Convergence Approach	Westmount/Outremont
12:30-14:00		Lunch (Not provided)	
14:00-14:30	IEEE-HQ JOINT SESSION	C1: Moving from Lessons Observed to Lessons Learned (ICS specific)	Outremont
	IEEE-HQ JOINT SESSION	I1: Internet of Things (IoT) for Power Grid Automation	Westmount
14:30-15:00	IEEE-HQ JOINT SESSION	C2: Leveraging IT-OT Security Convergence to Manage Complex Threats to Critical Infrastructure	Outremont
	IEEE-HQ JOINT SESSION	I2: Node-RED : Connecting Things Together	Westmount
15:00-15:30	IEEE-HQ JOINT SESSION	C3: EPRI 2018 R&D Portfolio and Roadmap	Outremont
	IEEE-HQ JOINT SESSION	I3: Distributed Energy Resources and Microgrids on the Demand Side	Westmount
15:30-16:00		Coffee Break (Provided)	
16:00-16:30	HQ Private	C4: Integrating IoTs to SmartGrid - Interoperability and Cybersecurity Challenges	Outremont
	HQ Private	I4: Results from a Connected Thermostats Demonstration Project	Westmount
16:30-17:00	HQ Private	C5: NERC - CIP for Critical Infrastructures Protection	Outremont
	HQ Private	I5: Evaluation of Low Power Instrument Transformer for an Alternator	Westmount
17:00-17:30	HQ Private	C6: Cybersecurity Risks Assessment based on CEI 62443 standard	Outremont
	HQ Private	I6: Tests to Assess 61850-9-2 based Stand Alone Merging Units for Metering Purposes	Westmount
Thursday, November 16 — Place Dupuis			
08:30-12:00	HQ Private	Workshop 3: Cyber Security Metrics for the Electric Sector (EPRI)	Place Dupuis, Salon Bleu, 2 ^d Floor
12:30-13:30		Lunch (Not provided)	
13:30-16:30	HQ Private	Workshop 4: Intelligence is Power: Cognitive Computing in Electric Systems	Place Dupuis, Salon Bleu, 2 ^d Floor
13:30-16:30	HQ Private	Workshop 5: 5G System Design: From modeling to simulation, testing & prototyping using MATLAB	Place Dupuis, Room 6, 3 ^d Floor