

PANEL 2: TECHNOLOGY/ANALYTICS - SESSION SCHEDULE *[note: this schedule is subject to change]*

Anna Chittum Jon Feldman		ITEM	LEAD AUTHOR/ORGANIZATION/EMAIL	TITLE
Wed 8/16	Session 1 8:30 am - 10:00 am Ch Ch Ch Changes in Approaches to Existing Technologies	1	Eric Muller, Independent Electricity System Operator eric.muller@ieso.ca	Electrale Innovation Ltd Hydraulic Air Compressor (HAC) Demonstrator Project
		2	Richard Schaefer, Baldor Electric Company	Hybrid Motor Technology to Achieve Efficiency Levels Beyond NEMA Premium
		3	Michael Ivanovich, Air Movement and Control Association International, Inc.	A revolutionary method of saving energy for commercial and industrial fan systems
	Session 2 1:30 pm - 3:00 pm Livin' on the Industrial Edge	4	Nathan Barnett, Applied Energy Group, Inc.	Robot Proliferation from a Load Forecasting Perspective
		5	Martin Reisinger, University of Stuttgart	Urban production systems: smart rooftop greenhouses on factories
		6	Kelsey Horowitz, National Renewable Energy Laboratory	Cost, Supply Chain, and Manufacturing Competitiveness Issues Related to SiC-based Variable Frequency Drives for Industrial Motor Applications
Thurs 8/17	Session 1 8:30 am - 10:00 am Squeezing More Out of Your Data	7	Peter Kleinhenz, Go Sustainable Energy	Co-Benefits of Detailed M&V: Piggybacking Off Required Measurement and Verification to Improve System Savings and Performance
		8	Vergil Weatherford, Navigant Consulting	Beyond the Spreadsheet: How to Grow Your Own Energy Data Science Team
		9	John McMurry, Vermont Energy Investment Corporation	Seeing is Believing: Data Visualization Dashboard Turns Ski Area Staff into Efficiency Experts
	Session 2 1:30 pm - 3:00 pm New Trendy Stuff	10	Jesse Remillard, ERS	TRENDS AND OBSERVATIONS OF ENERGY USE IN THE CANNABIS INDUSTRY
		11	Sachin Nimbalkar, Oak Ridge National Laboratory	Smart Manufacturing Technologies and Data Analytics for Improving Energy Efficiency in Industrial Energy Systems
		12	Steve Mulqueen, Energy Smart Industrial	Adversary or Ally: Industrial Strategic Energy Management and Demand Response - Can they be Integrated?
Fri 8/18	Session 1 8:30 am - 10:00 am Industrial Dashboard Confessional	13	Marc-Andre Richard, Hydro Quebec Research Institute	Daily load profiles clustering: a powerful tool for medium-sized industries demand side management
		14	Ramesh Rao, Graphet Data Mining	A Framework to Standardize Site-Wide Energy Analytics Results - collaboration between large industrial user, energy data mining
		15	Matthew Doolin, Duke University	New Benchmarking Tools for Industrial Manufacturing: An Industry Collaboration to produce ENERGY STAR Energy

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ALTERNATES (Back-ups):

1	Thomas Wenning, Oak Ridge National Laboratory	Quantifying the statistical importance of utilizing regression over simple energy intensity calculations for tracking efficiency improvements in industry
2	Keith Klontz, Advanced Motor Tech	Permanent Magnet Motor with Tested Efficiency Beyond Ultra-Premium/ IE5 Levels
3	Joel Zahlan, The Cadmus Group	Optimizing Air Compressor Systems Using Dynamic Sequencing Strategies in Variable Air Demand Environments