

## SCHEDULE: PANEL 1 - Innovative Energy Technology Systems and Methods

John Malinowski Rob Naranjo		PAPER #	LEAD AUTHOR	TITLE
Wednesday, July 24	Session 1 (8:30 - 10:00 am) System Approaches	37	Robb Dussault, Schneider Electric	<i>Dashboard Demistified: Making Sense of Industrial Energy Management Visualization Systems</i>
		47	Spencer Lipp, Lockheed Martin	<i>Merging of the Industrial Customer's Goals with Energy Efficiency</i>
		48	Tim Raffio, University of Dayton Industrial Assessment Center	<i>Integrated Systems Plus Principles Approach to Industrial Energy Efficiency</i>
	Session 2 (10:30 am - 12:00 noon) Industrial Case Studies	27	Ali Hasanbeigi, Lawrence Berkeley National Laboratory	<i>Emerging Energy-Efficiency and CO<sub>2</sub> Emissions-Reduction Technologies for Industry: A Review of Technologies for Alternative Ironmaking and Pulp and Paper Industry</i>
		58	Kevin Carpenter, Clark Energy Group	<i>An Innovative Approach to Controlling Plastic Grinders in Injection-Molding Plants</i>
		82	Zeecha Van Hoose, North Pacific Paper Corporation	<i>Development of the Largest-Ever Pacific NW Energy Efficiency Project</i>
Thursday, July 25	Session 3 (8:30 - 10:00 am) System Case Studies	108	Paul Bertram, Kingspan Insulated Panels	<i>Thinking Forward: Leadership in a Global Marketplace</i>
		51	Gerald Church, Joule Energy, Inc.	<i>Evaluating a Three Year Continuous Energy Improvement Program</i>
		217	James Dodenhoff, Southern California Edison	<i>Technology Drivers of Improved Energy Productivity in Manufacturing Process Enhancement Projects</i>
	Session 4 (10:30 a.m. - 12 noon) Waste Heat Recovery	175	Allan Dicion, Willis Energy Services	<i>Innovative Energy Conservation through Scrap Pre-heating in an Electric Arc Furnace</i>
		176	Liam Kelly, Willis Energy Services	<i>Innovative Self-Generation Projects: Case Studies in Canada</i>
		181	Baskar Vairamohan, Electric Power Research Institute	<i>New Technologies for Reducing and Recovering Wasted Heat Energy in Industry</i>

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Friday, July 26	<b>Session 5</b> <b>8:30 - 10:00 am</b> <b>Efficiency Case Studies</b>	71	Rick Thibodeau, Vermont Energy Investment Corporation	<i>Applying Data Analytics to Overcome Efficiency Measure Implementation Barriers in an Industrial Production Facility: A Case Study</i>
		76	Abdul Qayyum Mohammed, University of Dayton	<i>Energy Efficient Design, Retrofit and Control of Evaporative Condensers in Ammonia Refrigeration Systems</i>
	<b>Session 6</b> <b>10:30 am - 12:00 noon</b>			