

NILM2016

MAY 14 - 15 | VANCOUVER, CANADA

WORKSHOP PROGRAM

Day 1: Saturday, May 14		
Time	Event	Presenters/Authors
9:00 AM	Registration & Breakfast	
9:20 AM		
9:40 AM	Day 1 Welcome Address by Stephen Makonin & Andrew Berrisford	
10:00 AM	Topic: Energy Analytics	Bruce Townson (Ecotagious) - NILM: Vehicle or Destination?
10:20 AM		Romain Benassi (HomePulse) - Disaggregation of space heating and water heating from real life 10-minute load curves
10:40 AM		Topic Discussion & Bio Break
11:00 AM	Keynote by Dr. Lyn Bartram - Eco-Visualizations: Visualizing NILM and appliance level data (title tbc)	
11:20 AM		
11:40 AM		
12:00 PM	Lunch Break	
12:20 PM		
12:40 PM		
1:00 PM	Topic: Applications & Value	Paper 20: Is disaggregated electricity feedback more effective than aggregate feedback at reducing energy consumption?
1:20 PM		Paper 8: If You Measure It, Can You Improve It? Exploring The Value of Energy Disaggregation
1:40 PM		Paper 22: Can We Find the End Use in Smart Metering Data?
2:00 PM		Topic Discussion & Bio Break
2:20 PM	Topic: Industry & Power Utilities	Claude Godin (DNV-GL) - Q&A Discussion Panel of Invited Panelists. Panel Members: Chris Homes (EPRI), Wenpeng Luan (China EPRI), Bill Bush (Enetics), Katie Russell (ONZO)
2:40 PM		
3:00 PM		
3:20 PM	Afternoon Coffee/Tea Break	
3:40 PM	Topic: Other Topics	Paper 4: How well can HMM model load signals
4:00 PM		Paper 9: Neural Network Ensembles to Real-time Identification of Plug-level Appliance Measurements
4:20 PM		Paper 7: Gemello: Creating a Detailed Energy Breakdown from just the Monthly Electricity Bill
4:40 PM		Topic Discussion & Bio Break
5:00 PM	Poster Celebration	Poster Lightning Talks
5:20 PM		Poster Session (12+ posters)
5:40 PM		
6:00 PM to Late	Workshop Social & Reception (everyone walks to Big Smoke Burger)	
Day 2: Sunday, May 15		
Time	Event	Presenters/Authors
9:00 AM	Registration & Breakfast	
9:20 AM		
9:40 AM	Day 2 Welcome Address by Stephen Makonin	
10:00 AM	Topic: Data & Datasets	Grant Fisher (Pecan Street) - Pecan Street's Dataport
10:20 AM		Paper 2: Handling Imperfections in Energy Disaggregation
10:40 AM		Topic Discussion & Bio Break
11:00 AM	Keynote by Dr. George W. Hart - Life After NILM	
11:20 AM		
11:40 AM		
12:00 PM	Lunch Break	
12:20 PM		
12:40 PM		
1:00 PM	Topic: Meters & Hardware	Robert Sonderegger (Itron) - The RIVA Meter and Platform
1:20 PM		Etienne Barnard (Sense) - The Sense energy monitor: real-time load disaggregation using signals with high time resolution
1:40 PM		Topic Discussion & Bio Break
2:00 PM	Topic: Algorithms, Part 1	Paper 19: The Neural Energy Decoder: Energy Disaggregation by Combining Binary Subcomponents
2:20 PM		Paper 25: Non-Intrusive Appliance Load Identification with the Ensemble of Classifiers
2:40 PM		Paper 26: A Fully Unsupervised Appliance Modelling Framework for NILM
3:00 PM	Afternoon Coffee/Tea Break	
3:20 PM	Topic: Algorithms, Part 2	Paper 13: An Active Learning Framework for Non-Intrusive Load Monitoring
3:40 PM		Paper 3: Detecting IT and Lighting loads using Common Mode Conducted EMI Signals
4:00 PM		Paper 5: Greedy Deep Disaggregating Sparse Coding
4:20 PM		Topic Discussion for Parts 1 and 2
4:40 PM	Closing & Best Paper Award, Workshop Officially Ends at 5:00pm	

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