

Paper Session W - M II: Power System Loads: Wednesday, September 5th, 2018

When: 10:30 am-12:30 pm

Where: Ballroom C1

Chair: Valentina Cecchi, University of North Carolina at Charlotte, USA

Co-Chair: Daniel Feltes, Siemens Power Technologies International, USA

[1] 10.30 am – 10.50 am: Enhanced Load Modeling with Expanded System Monitoring

Jouni Peppanen, Jason A. Taylor (Electric Power Research Institute, USA)

[2] 10.50 am – 11.10 am: Optimal Allocation of Dispersed Generators for Voltage Dependent Practical Loads

Navdeep Kaur, Sanjay Kumar Jain (Thapar Institute of Engineering and Technology, India)

[3] 11.10 am – 11.30 am: Forecasting Peak Daily Load in Distribution Feeders

Matthew Haslett Leak, Ganesh Kumar Venayagamoorthy (Alabama Power Company, Clemson University, USA)

[4] 11.30 am – 11.50 am: Case Studies on Dynamic Load Modeling

Carlos Grande-Moran, Bernardo Fernandes, Daniel Feltes, James Feltes, Ming Wu, Robert Wells (Siemens Power Technologies International, ITC Holdings Corp., USA)

[5] 11.50 am – 12.10 pm: Impacts of Distributed Energy Resources and Load Models on Conservation Voltage Reduction

Tumininu Lawanson, Roozbeh Karandeh, Valentina Cecchi, Andrew Kling (University of North Carolina at Charlotte, Duke Energy, USA)

[6] 12.10 pm – 12.30 pm: Deep Neural Network Based Non Intrusive Load Status Recognition

Arnav Kundu, Gandhali Prakash Juvekar, Katherine Davis (Texas A&M University, USA)