GreenMetrics 2012 Schedule

9:00 – 9:05 Introduction

IT Track

9:05 – 10:00 Keynote talk
"Challenges in Multi-Modal Transport Planning"
Dr. Jochen Mundinger, Chairman routeRANK Ltd

10:00 – 11:00 Paper session 1 – "Greener IT" (20 minutes per paper, including Q&A)
"Measuring Energy Consumption for Short Code Paths Using RAPL"
Marcus Hähnel, Björn Döbel, Marcus Völp, Hermann Härtig (TU Dresden)

"Empirical Evaluation of Power Saving Policies for Data Centers"
Michele Mazzucco (University of Tartu), Isi Mitrani (Newcastle University)

"Evaluating the Need for Complexity in Energy-aware Management for Cloud Platforms"
Pooja Ghumre, Junwei Li, Mukil Kesavan, Ada Gavrilovska, Karsten Schwan (Georgia Institute of Technology)

11:00 – 11:30 Break

Smart Grid Track

11:30 – 12:15 Invited talk 1
"Stochastic Analysis of Real and Virtual Energy Storage in the Smart Grid"
Jean-Yves Le Boudec (EPFL)

12:15 – 13:00 Invited talk 2
"Branch Flow Model: Relaxations, Convexification, Computation"
Steven Low (Caltech)

13:00 – 14:30 Lunch

14:30 – 15:15 Invited talk 3
"Evaluation of the Impacts of Geographically-Correlated Failures on Power Grids"
Gil Zussman (Columbia)

15:15 – 16:00 Invited talk 4
"Real-time distributed control of electrical vehicle charging"
Catherine Rosenberg (Waterloo)

16:00 – 16:30 Break

16:30 – 17:30 Paper session 2 – "Smarter Grids" (20 minutes per paper, including Q&A)
"On the Impact of Storage in Residential Power Distribution Systems"
Omid Ardakanian, Catherine Rosenberg, S. Keshav (University of Waterloo)

"Electric Grid Balancing through Low-Cost Workload Migration"
David Chiu (Washington State), Christopher Stewart (Ohio State), Bart McManus (Bonneville Power Administration)

"Survivability Analysis of Distribution Automation Networks with Reactive Power Compensation"
Daniel Sadoc Menasche, Rosa M. Meri Leao, Edmundo de Souza e Silva (UFRJ), Alberto Avritzer, Sindhu Suresh (Siemens Corporate Research), Kishor S. Trivedi (Duke University), Raymond Marie (IRISA/INRIA), Lucia Happe (Karlsruhe Institute of Technology), Anne Koziolek (University of Zurich)

17:30 – 17:35 Wrap-up