

CompSust'10 Poster Guide



A. Doctoral Consortium Posters

D1	Models and Algorithms for Efficient Electromobility <i>Andreas Artmeier</i> (Technische Universität München, Germany)
D2	V2G: Electric Vehicle Coalitions for Vehicle-To-Grid Power Regulation <i>Sachin Kamboj</i> (University of Delaware)
D3	Mobility on Demand: A Market Economy of Trips <i>Dimitris Papanikolaou</i> (Massachusetts Institute of Technology)
D4	Green Fleet Maintenance using Retrofits and Replacements: An Approximate Dynamic Programming Approach <i>Timon Stasko</i> (Cornell University)
D5	Game Theoretic Techniques for Transportation and Supply Chain Management <i>Tae Il Kim</i> (Pennsylvania State University)
D6	Service Path Attribution Networks (SPANs): Spatially Quantifying the Flow of Ecosystem Services from Landscapes to People <i>Gary Johnson</i> (University of Vermont)
D7	Using Multi-touch Tabletops to Create and Compare Neighbourhood Designs that Satisfy Constraints <i>Jennifer Fernquist</i> (University of British Columbia, Canada)
D8	The Effects of Energy Storage On An Optimal Power Flow Network <i>Mumu Xu</i> (California Institute of Technology)
D9	Personal Energy Metering <i>Simon Hay</i> (University of Cambridge, U.K.)
D10	Saving Energy Using Occupant-Oriented Control (OOC) Techniques for Smart Thermostats <i>Tamim Sookoor</i> (University of Virginia)
D11	Information Provenance in the Knowledge Curation Process and its Effects on Energy Consumption Decisions <i>Jonathan Lung</i> (University of Toronto, Canada)
D12	Exploring Sustainability via Optimal Control Theory and Differential Variational Inequalities <i>Sung Hoon Chung</i> (Pennsylvania State University)
D13	Software Quality in Climate Modelling <i>Jon Pipitone</i> (University of Toronto, Canada)
D14	Descriptive Analysis of the Global Climate System and Predictive Modeling for Uncertainty Reduction Using Complex Networks <i>Karsten Steinhäuser</i> (University of Notre Dame)
D15	Could Carbon Offset Markets Lead to Higher Emissions and Lower Welfare? <i>Benjamin Leard</i> (Cornell University)
D16	Efficiency Effects of Increased U.S. Biofuels Mandates <i>Joel Landry</i> (Cornell University)

D17	Biodegradable Nanofillers to Improve Starch Films in Food Packaging Applications N Vigneshwaran (Rutgers University / Central Institute for Research on Cotton Tech., India)
D18	Computational Challenges in Material Discovery: Bridging Constraint Reasoning and Unsupervised Learning Ronan LeBras (Cornell University)
D19	Collective Hidden Markov Models for Modelling Bird Migration Dan Sheldon (Oregon State University)
D20	Cost-Effective Recovery of an Endangered Species: The Red-Cockaded Woodpecker Ryan Finseth (Cornell University)
D21	Multi-Agent Model of Johne's Disease in Dairy Cows Kiyam Ahmadizadeh (Cornell University)
D22	Juvenile-Adult Discrete-Time Fishery Model with Constant and Periodic Harvesting Policies Nianpeng Li (Howard University)
D23	New Approach for Continental River Dynamics Ahmad Tavakoly (University of Texas, Austin)
D24	Creation of Database Over Wastewater Technologies Fabien Carminati (University of British Columbia, Canada / ESSTIN, France)
D25	Autonomous Exploration Platform for Oceanographic Data Collection Bryant Mairs (University of California, Santa Cruz)
D26	A Global Forest Cover Monitoring System Varun Mithal (University of Minnesota, Twin Cities)
D27	The Application of Multiple Objective Linear Programming to Land Conservation Jacob Fooks (University of Delaware)
D28	Optimal Wildfire Planning Against a Stochastic Objective Gwen Spencer (Cornell University)
D29	Optimal Policies for Renewable Resource Allocation Stefano Ermon (Cornell University)
D30	Optimization for Food Resource Programs David Bergman (Carnegie Mellon University)
D31	Learning with Resource Capacity Constraints Yunsong Guo (Cornell University)

B. General Participant Posters

P33	Evolutionary Many-objective Optimization for Sustainability Hernan Aguirre
P34	Planning and Optimization for River Management Shlomo Zilberstein
P35	Real-Time Environmental Sensors for Sustainable Management: Challenges and Opportunities David Hill

P36	Computational Tools for Architecting the Nations's Space-based Earth Observation Program <i>Daniel Selva</i>
P37	Learning Species Distribution Models from Citizen Science Data <i>Weng-Keen Wong</i>
P38	Combining Boosted Regression Trees and Hierarchical Species Occupancy Models <i>Rebecca Hutchinson</i>
P39	Optimization Models for Red-Cockaded Woodpecker Management <i>Bistra Dilkina, other Cornell/TCF Members</i>
P40	A State Prediction Methodology for Electric Power Grid Operation <i>Ning Zhou</i>
P41	An Advanced Framework for Enabling Electricity Infrastructure Real-Time Decision Support <i>Yousu Chen</i>
P42	Machine Learning for Wind Energy Systems <i>Kalyan Veeramachaneni and Una-May O'Reilly</i>
P43	Constraint-Based Scheduling for Reducing Peak Electricity Use <i>Helmut Simonis</i>
P44	Computation's Role in Building the Smart Grid for a Sustainable Future <i>David Waltz</i>
P45	Wind Power Forecasting in Electricity Markets <i>Audun Botterud</i>
P46	Preference Reasoning for Optimal Building Operation <i>Anika Shumann</i>
P47	Chance-Constrained Optimal Control and its Application to Connected Sustainable Home <i>Masahiro Ono</i>
P48	Standardizing Urban Sustainability Analysis <i>Daniel Weismann and David Quinn</i>
P49	Water Resources with Climate Change and Growing Population <i>Auroop Ganguly</i>
P50	The MIT Deliberatorium: Enabling Large-Scale Deliberation <i>Mark Klein</i>
P51	Sustaining Cyberspace: Some Computational Aspects <i>Roger Hurwitz</i>
P52	Available spot, undecided
P53	Available spot, undecided
P54	Available spot, undecided
P55	Available spot, undecided
