



CEDM Annual Meeting, 23-24 May 2018
Singleton Room, Roberts Hall, Carnegie Mellon University

Wednesday, May 23:

09:00 – 09:30	<i>Hot Buffet Breakfast</i>
09:30 – 09:45	Welcome and overview – Inês Azevedo & Granger Morgan
09:45 – 10:00	Introductions around the room
Part 1: The future of energy systems and transitions for de-carbonization	
10:00 – 10:20	Donti et al. , Characterizing the uncertainty in damage reductions from interventions and loads in PJM, <i>working paper</i>
10:20 – 10:40	Sherwin et al. , Estimation of the year-on-year volatility & the unpredictability of the U.S. energy system, <i>Nature Energy</i>
10:40 – 11:00	Schivley et al. , Assessing the evolution of power sector carbon intensity in the U.S., <i>Environmental Research Letters</i>
11:00 – 11:20	<i>Coffee and Snack Break</i>
11:20 – 11:40	Deetjen et al. , Generator dispatch method for simulating marginal emissions factors for the power sector, <i>working paper</i>
11:40 – 12:00	Patino et al. , Uncertainty on future electricity demand in China, <i>working paper</i>
Part 2: Air quality and greenhouse gases in energy systems	
12:00 – 12:20	Sergi et al. , Evaluating exported and imported health damages from emissions across U.S. counties, <i>working paper</i>
12:20 – 12:40	Sengupta et al. , High resolution chemical transport modeling of UF matter over Pittsburgh, <i>working paper</i>
12:40 – 13:00	Hanus et al. , A benefit-cost analysis for solar PV in educational institutions, <i>working paper</i>
13:00 – 13:40	<i>Lunch Break</i>
13:40 – 14:00	Sun et al. , Estimating the emissions consequences from increasing the use of coal in the U.S., <i>working paper</i>
Part 3: Transportation	
14:00 – 14:20	Ward et al. , On-demand ridesourcing has reduced per-capita vehicle registrations & air pollutant emissions in U.S. states, <i>working paper</i>
14:20 – 14:40	Kaack et al. , Decarbonizing intraregional freight systems with a focus on modal shift, in review, <i>ERL</i>
14:40 – 15:00	Dowlatabadi et al. , Car sharing, 3 papers: 2 in <i>Transportation Policy</i> and 1 in <i>ERL</i>
Part 4: Power sector	
15:00 – 15:20	Reed et al. , Increasing transmission capacity through conversion of HVAC lines to HVDC, <i>working paper</i>
15:20 – 15:40	Keen et al. , The value of solar for PECO and its ratepayers, <i>working paper</i>
15:40 – 16:00	Oliver et al. , Low-income solar ownership in Vermont: Overcoming barriers to equitable access, <i>working paper</i>
16:00 – 16:20	<i>Coffee and Snack Break</i>
Part 5: Recent elicitations for energy technologies	
16:20 – 16:40	Whiston et al. , Expert assessments of the cost & expected future performance of proton exchange membrane fuel cells for vehicles, in review, <i>PNAS</i>
16:40 – 17:00	Glasgo et al. , Expert assessments on the future of direct current in buildings, in review, <i>ERL</i>
17:00 – 17:20	Baik et al. , An elicitation tool to value small amounts of power in the event of outages of long duration, <i>working paper</i>
17:20 – 17:30	Wrap up from day 1
18:00	<i>Dinner at Casbah</i>

Thursday May 24

09:00 – 09:20	Continental Breakfast
Part 6: Perceptions of climate change and air pollution	
09:20 – 09:40	Dryden et al. , Public perceptions of how long air pollution and carbon dioxide remain in the atmosphere, <i>Risk Analysis</i>
09:40 – 10:00	Taylor et al. , Public priorities and expectations of climate change impacts in the United Kingdom, <i>Journal of Risk Research</i>
10:00 – 10:20	Harcourt et al. , Investing in a good pair of wellies: how do non-experts understand the expert terminology of climate change impacts and adaptation?, <i>working paper</i>
Part 7: Will nuclear power play a role in decarbonizing in the next 40 years?	
10:20 – 10:25	Morgan , The great SMR fleet, <i>working paper</i>
10:25 – 10:35	Abdulla et al. , Evaluating the potential role of nuclear power in decarbonizing the industrial process heat sector, <i>working paper</i>
10:35 – 10:45	Rath et al. , Assessment of a hybrid system that use Small Modular Reactors (SMRs) to back up intermittent renewables and dealinte water, <i>working paper</i>
10:45 – 10:55	Ford et al. , There could be a global SMR market, <i>working paper</i>
10:55 – 11:00	Morgan et al. , U.S. nuclear power: the vanishing low-carbon wedge, <i>working paper</i>
11:00 – 11:10	Q&A and discussion
11:10 – 11:15	Wrap up
11:15 – 11:20	<i>Good-bye over coffee and snack closing break for the CEDM annual meeting</i>
13:00	<i>(Advisory board meets with lead PIs over lunch)</i>