

Second Annual Meeting of the center for Climate and Energy Decision Making

Day 1: May 21

08:00 - 08:30	<i>Breakfast - Coffee, tea, fruit and pastries</i>
08:30 - 08:45	Round of three-sentence introductions
08:45 - 09:05	Overview of CEDM - <i>Granger Morgan/Inês Azevedo</i>
09:05 - 09:20	Open discussion
Session 1: Decisions and Behavior in Energy Efficiency	
09:20 - 09:30	Overview of CEDM work on energy efficiency and “rebound” effects - <i>Inês Azevedo</i>
09:30 - 09:40	Direct and indirect rebound effects for the U.S. household using IO analysis - <i>Brinda Thomas</i>
09:40 - 09:50	Energy and rebound in first nation villages - <i>Hadi Dowlatabadi</i>
09:50 - 10:00	Lessons learned from 100 million vehicle registrations - <i>Paul Fischbeck</i>
10:00 - 10:15	Open discussion
10:15 - 10:35	Coffee/Tea break
Session 2: Decision-Making in Climate Mitigation Strategies	
10:35 - 10:45	Overview of CEDM work on mitigation - <i>Granger Morgan</i>
10:45 - 10:55	Public choice of low carbon energy technologies - <i>Lauren Fleishman</i>
10:55 - 11:05	CEIC and the RenewElec project - <i>Jay Apt/Paulina Jaramillo</i>
11:05 - 11:15	The role of PUCs in adoption of low carbon energy - <i>Dalia Patiño Echeverri</i>
11:15 - 11:25	Expert elicitation on small modular nuclear reactors - <i>Ahmed Abdulla</i>
11:25 - 11:35	Plug-in vehicle life-cycle costs and benefits - <i>Jeremy Michalek/Costa Samaras</i>
11:35 - 11:45	Marginal emissions factors for the U.S. electricity system - <i>Kyle Siler-Evans</i>
11:45 - 12:10	Open discussion
Lunch and Poster Session	
12:10 - 12:40	60 second presentation on many of the posters in preparation for the poster session & box lunches
12:40 - 13:30	Poster session
Session 3: Incorporating Environmental and Economic Impacts Under Uncertainty in Decision Making Processes	
13:30 - 13:40	CEDM work on adaptation - <i>Inês Azevedo</i>
13:40 - 13:50	Impacts of ocean acidification on mollusk production and low income nutrition - <i>Sarah Cooley/Scott Doney</i>
13:50 - 14:00	Robust alternatives for climate adaptation in forest land management - <i>Tim McDaniels</i>
14:00 - 14:10	A multi-expert scenario analysis for systematic comparison of expert weighting approaches - <i>Umit Guvenc</i>
14:10 - 14:20	Economic incentives and regulatory framework for shale gas well site reclamation in PA - <i>Austin Mitchell</i>
14:20 - 14:30	Risks of offshore wind - <i>Steven Rose</i>
14:30 - 14:40	Carbon footprints, uncertainty and decision-making - <i>Scott Matthews</i>
14:40 - 14:55	Open discussion
14:55 - 15:10	Coffee/Tea break
Session 4: Climate and Weather: Uncertainty, Decision-Making and Attitudes	
15:10 - 15:20	CEDM work on climate and weather - <i>Granger Morgan</i>
15:20 - 15:30	Scenario discovery – <i>Rob Lempert</i>
15:30 - 15:40	Tradeoffs in SRM: Temperature <i>versus</i> sea level - <i>Klaus Keller</i>
15:40 - 15:50	New hurricane forecast products with more lead time for disaster preparation - <i>Iris Grossmann</i>
15:50 - 16:00	Evolution of climate change attitudes and policies as a function of extreme event feedback - <i>Rob Axtell</i>
16:00 - 16:10	Does tropical cyclone modification make sense? - <i>Kelly Klima</i>
16:10 - 16:20	Modeling international coalitions and geoengineering - <i>Kate Ricke/Juan Moreno Cruz</i>
16:20 - 16:35	Open discussion
Wrap-up for first day	
16:35 - 17:35	General round table discussion
17:35 - 18:00	Any final questions from members of CEDM Advisory Board
18:00	Leave for dinner

Poster Session

Decision Making and Uncertainty in Climate Change Mitigation and the Supply of Electricity

1. Uncertainty analysis of methane emissions from natural gas production - *Stefan Schwietzke*
2. Integrating remote wind resources: The role of energy storage - *Julian Lamy*
3. The effect of long-distance interconnection on wind power variability - *Emily Fertig*
4. Wind power forecasts for operating reserves procurement - *Brandon Mauch*
5. Cost effectiveness of hybridized solar and fossil power plants compared to stand-alone PV or CSP plants - *Jared Moore*
6. A consequential analysis of changes to electric power system emissions due to variable wind - *David Luke Oates*
7. Effects of government incentives on U.S. wind innovation and capacity - *Nathaniel Horner*
8. Regional allocation of biomass to U.S. energy demands under a portfolio of policy scenarios - *Kim Mullins*
9. Private rents coming from wind feed-in tariffs in Portugal during 2000-2010 - *Ivonne Peña*
10. Modeling for Insight using Tools for Energy Model Optimization and Analysis (Temoa) - *Joseph DeCarolis*
11. Regional variation in power plant turn over resulting from the timing of climate change policy - *Chris Hendrickson*

Decision Making, Behavior and Policy Related to Energy Demand and Climate Change Mitigation

12. Impact of federal incentives on adoption of hybrid electric vehicles - *Alan Jenn*
13. Analyzing consumer preferences for lighting technologies using discrete choice analysis - *Jihoon Min*
14. Assessing the effect of EISA and EPA regulations on mercury emissions from lighting - *Huimin Tan*
15. Utility demand-side efficiency spending - *Russell Meyer*
16. The electricity consumption and energy savings potential of video game consoles in the U.S. - *Eric Hittinger*
17. Low-hanging fruit? Reducing fuel burn and emissions from taxiing aircraft - *Parth Vaishnav*
18. Energy saving programs: The potential environmental cost of emphasizing monetary savings - *Daniel Schwartz*

Decision Making and Perceptions on Carbon Capture and Sequestration

19. Responses to balanced communications among recipients with opposing beliefs: The case of CCS - *Gabrielle Wong-Parodi*
20. Implications of carbon capture and storage for air quality - *Jinhyok Heo*
21. Geostatistical parameter estimation for CO₂ storage assessment in deep saline formations - *Olga Popova*
22. Coupling wind power with CCS coal plants with amine-storage - *Rubenka Bandyopadhyay*

Climate, Weather and Environmental Impacts: Analysis under Uncertainty

23. A climate sensitivity estimate using an Earth System model with a 3D ocean - *Roman Olson*
24. Prioritizing the engineering in geoengineering - *Ashley Mercer*
25. Supply and demand of river forecasts - *Frauke Hoss*
26. Ocean acidification and its impacts: An expert survey - *Granger Morgan*
27. Hurricane modification and adaptation in Miami-Dade County, Florida - *Kelly Klima*

Outreach and Education Efforts

28. Summer center for climate, energy, and environmental decision-making - *Kyle Siler Evans*
29. Climate change and public opinion - *Robert Cavalier/Tim Dawson*

Day 2: May 22**Advisory Board**

The Advisory Board will be meeting in Roberts Engineering Hall 351 from 08:30-11:45 to write the Advisory Board report. CEDM investigators and students will be available to talk with Advisory Board members on any questions they may have.

08:00 - 08:30	<i>Breakfast</i> - Coffee, tea, fruit and pastries
08:30 - 10:00	Writing of the Advisory Board report
10:00 - 10:15	<i>Coffee break</i>
10:15 - 11:45	Writing of the Advisory Board report
11:45 - 12:15	Feedback from Advisory Board Committee to CEDM Executive Committee
12:15 - 13:30	<i>Lunch & wrap up</i>

CEDM Investigators

08:00 - 08:30	<i>Breakfast</i> - Coffee, tea, fruit and pastries		Video clip recording for CEDM PhD students (Baker Hall 129)
08:30 - 10:00	PIs will prepare text for the CEDM annual report to NSF (Singleton Room)	CEDM PhD student activity: opinion piece	
10:00 - 10:15	<i>Coffee break</i>		
10:15 - 11:45	Research opportunities, specific proposals and renewal proposal		
11:45 - 12:15	Feedback from the Advisory Board		
12:15 - 13:30	<i>Working lunch</i> - how to respond to the Advisory Board feedback		
13:30 - 14:00	Discussion of candidate topics for Theory and Methods workshop		
14:00 - onwards	Breakout groups to work on pending things		