

FRIDAY June 20		
Johnson Theatre (Paul Creative Arts Center)		
8:00-8:10	<b>Opening Remarks</b> VP for Research, Dr. Taylor Eighmy Dr. L. Gordon Kraft UNH	
8:10-8:50	<b>Keynote Lecture</b> US Energy Scenario in the 21 <sup>st</sup> Century Dr. V. K. Mathur UNH	
	<b>Kingsbury S145</b>	<b>Kingsbury N101</b>
	Chair: Dr. Gordon Kraft	Tides/Currents/Waves Chair: Dr. Ken Baldwin
9:00-9:30	Appledore Island's Sustainable Energy System - Wind and Solar Kevan Carpenter UNH	Tidal Energy Peter Browne, DTA
9:30-10:00	History and Overview of Tidal Energy Jack Pare	NEMREC DOE Initiative Barbaros Celikkol, UNH UNH/Lucid/DOE Gorlov Turbine Project Martin Wosnik, UNH
BREAK (15 min)		
	Hydroelectric Chair: Ken Meinelt	Power Grid Issues Chair: Andrew Schneider
10:15-10:45	Hydro Power in NH Ken Meinelt	Zero Demand Growth Initiative Kevin Sprague Unil
10:45-11:15	PSNH's Renewable Hydro Power Fleet Bob Gunderson PSNH	Power Grid Interconnections Tim Roughan National Grid
11:15-11:45	Hydroelectric - Renewable Energy Ray Wiegert Devine Tarbell & Associates	New Super Conductor Technology Tom Welsh Long Island Power Authority (National Grid)
BOX LUNCH		
	Green Buildings Chair: Dr. Ledy Klotz	Solar Power Chair: Darwin James
12:45-1:15	Buildings and Energy Use Dr. Ledy Klotz Clemson University	Basics of Solar Hot Water Jack Bingham Seacoast Energy Alternatives
1:15-1:45	Reducing Energy Use in NH Buildings Matt O'Keefe, UNH Energy Office Dan Arons, Archterra Inc.	Photovoltaics: Status of Key Technologies Chandra Khattak GT Solar, Inc.
1:45-2:15	Building Integrated Solar Systems Paul Neiman Dawn Solar	Concentrated Solar Power Technology Dr. V. K. Mathur UNH
BREAK (15 min)		
	Energy Efficient Lighting Chair: Dr. Joseph Murdoch	Solar/Nuclear Power Chair: Darwin James
2:30-3:00	Lamp and Ballast Technologies Paula Ziegenbein Osram Sylvania	Photovoltaics on Campus: A Survey of Projects Online Willi Kessler UNH
3:00-3:30	Sustainable Lighting Solutions Kelly Cota Reflex Lighting	Nuclear Power - Is It Really An Option? Tim Lucas MIT
3:30-4:00	Lighting Controls Kam McCormick Leviton Controls	Fusion Energy: Are We There Yet? Luca Chiesa MIT
BREAK		
5:00-5:30	UNH ECOLine - Using Landfill Gas to Meet Campus Energy Needs Paul Chamberlin, UNH New England Center (Great Bay Room)	
5:30-6:45	Buffet Dinner New England Center (Main Dining Room)	
6:45-7:30	Keynote Address How US Universities Could Save The World Dr. Paul Werbos, National Science Foundation New England Center (Great Bay Room)	

SATURDAY June 21		
	Kingsbury S145	Kingsbury N101
	Smart Grid Topics Chair: Justin Esfeller	Wind Power Chair: Dr. Gordon Kraft
8:30-9:00	Thin Films for Photovoltaics Shurita Hu UNH	Wind Power Introduction Dr. Gordon Kraft
9:00-9:30	"Smart" Grid Justin Esfeller UNH	Lempster (NH) Wind Farm Ed Chetani Iberdrola Renewables
9:30-10:00	"Smart" Grid Justin Esfeller UNH	Wind Power Ralph Nelson, PE Devine Tarbell & Associates
BREAK (15 min)		
	Tracking and Reducing Greenhouse Gas Emissions Chair: Dr. Cameron Wake	Wind Power Chair: Dr. Gordon Kraft
10:15-10:45	Carbon Solutions New England Dr. Cameron Wake UNH	Deep Water Wind Power Dr. George Hart Ocean Energy Institute
10:45-11:15	Microbial Fuel Cells Dr. Jenina Jambeck Lisa Damiano UNH	Sustainability at UNH Dr. Tom Kelly UNH
11:15-11:45	Renewable Polymers Dr. Yvon Durant UNH	NH State Energy Policy Senator Martha Fuller Clark Rep. Jim Garrity Rep. Naida Kaen
BOX LUNCH		
	Energy Storage Chair: Dr. Chris White	Geothermal Chair: Blake Martin
12:45-1:15	Energy Storage Dr. Chris White UNH	Geothermal Blake Martin Weston and Sampson
1:15-1:45	Energy Storage Flywheels Dr. Frank Ruddleph Beacon Power	Geothermal Carl Olio Water Energy Distributors
1:45-2:15	Energy Storage Flywheels Dr. Frank Ruddleph Beacon Power	Biodiesel Production Chair: Dr. P.T. Vasudevan UNH
BREAK (15 min)		
	Converting Biomass to Energy Chair: Richard Despins	
2:30-3:00	Wood Procurement Richard Roy PSNH	Veggie Diesel Craig Casserino Leonardo Technologies, Inc.
3:00-3:30	Northern Wood Power Richard Despins PSNH	Financing Alternative Energy Chair: Bruce Sommer UNH / Bluestem Ventures
3:30-4:00	The Role of Wood Pellets Steven Walker New England Wood Pellet	Global Integrated Issues Jim Lang Cambridge Energy Research Associates
BREAK (15 min)		
4:15-5:00	Discussion Panel Jim Lang, Cambridge Energy Research Associates Martha Fuller Clark, NH State Senator Jim Garrity, NH State Representative Dr. George Hart, Ocean Energy Institute Dr. Tom Kelly, UNH Office of Sustainability Michael Gregory, FPL	