Agenda
NSF-Sponsored Faculty/Industry Workshop
(Organized by the University of Minnesota)
www.cusp.umn.edu

Reinventing Power Programs through Sustainability-Focused Curriculum

April 5-6, 2018 NAS Building, Washington, DC

Workshop Objectives:

Discuss the Electric Power/Energy Systems Curriculum with emphasis on Sustainability

- Describe and disseminate undergraduate/graduate curriculum developed through ONR funding
- Grand challenge on inspiring and training students to solve global problems in sustainability
- Discuss challenges in education of "Electric Power"
- Create a large and vibrant community of teaching/learning scholars

Thursday, April 5, 2018

8:00-10:15	Welcome Remarks and Importance of Reform in Electric Energy Education: - Welcome Remarks by Dr. Proctor Reid, NAE - Welcome Remarks by Prof. Mostafa Kaveh, Dean of CSE, University of Minnesota - CAPT Lynn Petersen, Program Officer, Office of Naval Research (ONR) - Dr. Kishan Baheti, Program Director, Energy, Power, Control and Networks (NSF) - Dr. Isik C. Kizilyalli - ARPA-E Program Director
10:15-10:45	Networking; coffee
10:45-11:30	Power-Related CUSP™ Curriculum – Professor Ned Mohan, University of Minnesota
11:30-1:00 p.m.	Lunch (provided)
1:00-3:00	Application Areas: - Mark Ahlstrom – VP, Renewable Energy Policy, NextEra Energy Resources - Terry Boston – President and CEO (Ret) of PJM - Stephen Markle, Director of Electric Ship Office - Photovoltaics - Dr. Patrick Chapman, Senior Director-Development, SunPower
3:00-3:30	Networking; refreshments
3:30-4:30	- Demand Response as Virtual Storage – John Reinhart, Great River Energy - Electric Vehicles – Dr. Rashmi Prasad, General Motors Research & Development
4:30-5:00	Open Discussion Chaired by Prof. Anil Pahwa, Program Director, Energy, Power, Control and Networks (NSF)

Friday, April 6, 2018

8:00-12:00	Hands-on Experience with an Extremely Low-Cost Embedded Controller Programmed through a Model-Based Simulation Platform Developed through ONR Funding

Registration:
This workshop is open to everyone interested in this field. The Registration Fee is $195 through https://z.umn.edu/nsfpowerdc2018.

Contact: Prof. Ned Mohan; Email: mohan@umn.edu
Location of the Event: **NAS Building** in Washington, DC