Agenda
NSF-Sponsored Faculty/Industry Workshop
(Organized by the University of Minnesota)
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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

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