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
8:00-10:00 Welcome Remarks and Importance of Reform in Electric Energy Education:
- Welcome Remarks by Dr. Proctor Reid, NAE
- 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
10:00-10:30 Networking; coffee
10:30-11:30 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

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

Accommodation:
A block of rooms has been reserved at four hotels adjacent to the event location. Our NSF grant will pay for two nights of lodging of the faculty at U.S. universities: Engineering Deans, ECE Department Heads, and “Power Faculty” (tenured and tenure-track), on a first-come basis.

Participants are responsible for making their own reservation with the hotels listed below; after receiving your registration, we will supply names of the eligible faculty to the hotels so that you are not charged for these two nights of lodging [April 4 and 5, 2018] at check out.
Hotels: These are not in any order of preference.

Hotel 1: Avenue Suites Georgetown:
Thelma Sabi, Sales Coordinator  tsabi@modushotelsdc.com  (202) 337-7600 ext 3008
Dwight Harris, Reservation Agent on Property,  dharris@modushotelsdc.com  (202) 403-2616

Hotel 2: The River Inn contact:
The same as above:
Thelma Sabi, Sales Coordinator  tsabi@modushotelsdc.com  (202) 337-7600 ext 3008
Dwight Harris, Reservation Agent on Property,  dharris@modushotelsdc.com  (202) 403-2616

Hotel 3: One Washington Circle contact:
1-800-424-9671, reservations@thecirclehotel.com

Hotel 4: Club Quarters Hotels, DC – you may contact their Member Services number 203-905-2100
and referencing the group code NSF404 or use the link

Industry and Other Participants:
The procedure for industry and other participants to register is the same as that for the faculty. Please note that our grant will not be able to cover your lodging.

Registration:
This workshop is open to everyone interested in this field. The Registration Fee is $195 through https://z.umn.edu/nsfpowerdc2018. The registration deadline is March 5, 2018 for the lodging support.

Contact: Prof. Ned Mohan; Email: mohan@umn.edu

Location of the Event: National Academy of Sciences Building in Washington, DC at 2101 Constitution Ave NW.