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
- CAPT Lynn Petersen, Program Officer, Office of Naval Research (ONR)
- Dr. Kishan Baheti, Program Director, Energy, Power, Control and Networks (NSF)
- Dr. Gavin Schmidt on Climate Change: Attribution and Prediction – Director, NASA Goddard Institute for Space Studies (invited; not confirmed)

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
- Dr. Isik C. Kizilyalli - ARPA-E Program Director

3:00-3:30 Networking; refreshments
3:30-4:00 Electric Vehicles – a speaker from GM - invited; not confirmed
4:00-4:30 Photovoltaics - Dr. Patrick Chapman (Senior Director-Development, SunPower)
4:30-5:00 Demand Response as Virtual Storage – John Reinhart, Great River Energy

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 below:  

**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.

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

**Location of the Event:** NAS Building in Washington, DC