

Power Area Graduate Seminars



Fall 2012

Seminars in Fall 2012 will normally be held on Monday's at noon in 103 EECH. For more information go to www.freedm.ncsu.edu and navigate to "webinars."

[Elevator Pitch Day](#) by Jonathan Kimball, Mariesa Crow and MS&T current researchers, Nov. 12

[Brushless DC Generator Construction for Low Speed Hydrokinetic Turbine](#) by Amshumaan Kashyap, Nov. 5

[Stochastic Model for Solar Sensor Array Data](#) by Faris Alfari, Oct. 29

[A Distributed Algorithm for Electrical Vehicle Charging Under Capacity Constraints](#) by Dr. Jinjun Xiong, IBM Thomas J. Watson Research Center, Oct. 26 @ 1:00 pm, Rm 236 EECH

[Development of an Educational Small Scale Electric & Hybrid Electric Vehicle Setup](#) by Poria Fajri, Oct. 22

[Nonlinear Power Sharing Controller for a Double-Input H-Bridge-Based Buckboost-Buckboost Converter](#) by Reza Ahmadi, Oct. 15

[Information Flow Properties for Security in Cyber-Physical Systems](#) by Bruce McMillin, Oct. 01

[Hybrid Multilevel Power Interters](#) by Hossein Sepahvand, Sept. 24

[The July 2012 India Blackouts - What Happened and Could It Happen Here?](#) by Mariesa Crow, Sept. 17

[Two talks in preview of ECCE](#), by Darren Paschedag and Jonathan Kimball, Sept. 10 in 103 EECH.

Embedded Electronics for the Solar Power Industry, Patrick Chapman; IEEE
Rolla/IAS Chapter Meeting, 8/27/12 @ 12pm, G-31 EECH

Spring 2012

Seminars in Spring 2012 will be held Wednesdays at 4pm in 101 EECH.

Experimental Test Bench Model for Electric-Drive Vehicle Emulation, given
February 29 by Poria Fajri

Modeling of Vanadium Redox Flow Battery, given February 22 by Xin Qiu

Addressing Capacitor Voltage Regulation and Control Challenges in Multilevel
Power Converters, given February 15 by Hossein Sepahvand

Hydrokinetic Energy - The Future in Green Energy Technology, given February 1
by Dr. Arindam Banerjee, MAE Department

A New Approach in OpenDSS – ODCC, given January 25 by Onur Kahveci

Enabling Frequency and Voltage Regulation in Microgrids Using Wind Power
Plants, given January 18 by Anshuman Vaidya