

*Holcombe Department of Electrical and Computer Engineering  
Seminar Series*

**Smart Grid**

Dr. David Hart

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**Abstract**

The power industry is developing and deploying various new technologies to enable the smart grid. These include technologies such as Phasor Measurement Units (PMUs), automated switches and reclosers, Advanced Metering Infrastructure (AMI), and renewables. This presentation will provide an overview of how technologies advanced and events occurred to enable and drive the new smart grid. As the new smart grid becomes a reality, challenges and opportunities will be reviewed.

**Biography of Speaker**

David G. Hart is Senior Director Protection and Control at Quanta in Raleigh, NC. Dr. Hart holds a Ph.D. in Electrical Engineering from Clemson University. In addition to smart metering, his areas of focus have included many power system areas including generator protection, transmission protection and control, and distribution protection and control, as well as distribution and feeder automation. Dr. Hart has numerous technical disclosures and patents and is excited to have had the opportunity to work on smart grid technology from one end of the grid to the other.