Smart Grid Overview for Engineers

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Most smart grid discussions look at smart grid from a completely non-technical standpoint. This discussion will take a different tact and look at the technical issues behind smart grid. The discussion will include:

- What is smart grid and who benefits?
- Key definitions of terms for smart grid
- Introduction to the smart grid interoperability model
- Smart grid building blocks for engineers
- Why is smart grid important?
- Key example projects

With more than $10 billion in government grants globally, the smart grid is one of the fastest growing engineering segments in the world. More than 12,000 engineering jobs are currently unfilled globally and that grows by more than 3,000 each year. Universities are turning out less than 1/3 of the required power engineers to work on the grid.

Speaker Bio:
Douglas Houseman has extensive experience in the energy and utility industry. With more than 30 years experience he is one of the few members of the industry who has worked globally. Doug has been involved in projects in more than 30 countries. Doug is routinely invited to speak at international events in the industry. He has been widely quoted in a number of international publications and was named part of the World Generation Class of 2007, one of 30 people in the global utility and energy industry so named. Doug was the lead investigator on one of the largest studies on the future of distribution companies over the last 5 years working with more than 100 utilities and 20 governments.

All students, faculty, and anyone interested are welcome.