

**ECE Graduate Seminar**

# **Momentum behind Smart Grid – What it is and Why it's Important**

**Terry Mohn**

Founder, General MicroGrids Inc.

Ex Vice Chairman of the GridWise Alliance

Adviser, U.S. Departments of Energy, Commerce and NIST

Co-Chairman, United Nations MicroGrid Work Group

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## **Talk Abstract**

Legislative mandates, state and federal policy, and climate debate aims to improve our aging electricity infrastructure. A public/private partnership has been established to achieve a modern grid, a "smarter grid". By the proper application of new technology and incorporating the consumer into the asset investment strategy, the electric industry can develop a systematic implementation plan that not only modernizes the grid, but accommodates a carbon emission strategy needed in this century. This interactive discussion will focus on a range of topics from the macro-economic imperative needed for a digitally-based and environmentally clean society to gaps that exist in both energy policy and technological advances.