

# ECE Energy Systems Seminar Series

## The Enernet

Linda Rankin

Making our energy transmission and distribution infrastructure smarter is viewed as a key ingredient to meeting energy demands in a sustainable manner in the 2030 timeframe. The importance of this capability, called the Smart Grid, is echoed by the allocation of over \$4B in the stimulus package to Smart Grid projects by the Obama administration. After describing the issues in meeting our 2030 energy needs, this talk will describe the role of the Smart Grid in achieving our energy objectives. Diving a little deeper, the IT technologies that are used to create a smarter grid will be described along with a discussion of the challenges and opportunities in adopting these capabilities to the utility industry.

**Date:** Friday, November 13  
**Time:** 1:00pm  
**Location:** FAB 10

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*Linda Rankin is currently a Research Scientist and Adjunct Faculty member at Portland State University. A former Principal Engineer from Intel Corporation, she has more than 20 years of experience in the high tech industry in system architecture and the design of strategic technologies. She has directed and led projects across companies as well as multi-national teams, and holds more than 25 patents/patents pending both domestically and internationally. Her current area of interest in the area of information technology applied to the Smart Grid.*