

# Department of Mathematics

## *Fall 2016 Colloquium Series*



### **“Planning for Uncertainty: Power Planning Models for the Northwest”**

Steven Simmons,  
Northwest Power & Conservation Council

**Thursday, September 29, 2016**

**Behavioral and Social Sciences Building Room 166, 4 pm**

Planners, forecasters, and math modelers at the Northwest Power & Planning Council have taken a unique quantitative approach to power planning for the Northwest. Using a suite of models and analytics with uncertainty and risk at the core, the team develops least-cost low risk resource strategies for the Northwest. This presentation will provide a high level overview of some of the specialized modeling, forecasting and planning tools the Council uses to formulate long term power strategies for the Northwest.

*Steven Simmons joined the Northwest Power & Conservation Council in 2012 as a senior economist where he leads load forecasting and modeling for electric vehicles and battery storage, market price forecasting for electricity and natural gas, and generating resource cost modeling for wind, solar and natural gas. Before coming to the council, Steve led Integrated Resource Planning for Northwest Natural in the energy industry, and was a senior engineer in the semiconductor industry where he led modeling efforts for both LSI Corp. and Micron Inc. Steven holds a B.S. in Systems Control Engineering from the UC San Diego, and a M.S. in Math Modeling/Environmental Systems from Humboldt State (1994).*

For a complete abstract, go to <http://www.humboldt.edu/math/news-and-events/math-colloquium>

***We cordially invite you to the Pre-Colloquium Tea on the third floor of the BSS  
building at 3:30 pm on Thursday.***