



The Math/Stats Colloquium
Department of Mathematics and Statistics
San José State University



Carol Meyers

Lawrence Livermore National Laboratory

**Working for a National Laboratory
in Operations Research**

OCTOBER 8, 2014, MH320

Abstract: In this talk I will describe the kinds of math I use in my job at Lawrence Livermore National Laboratory, as well as giving an introduction to the discipline of operations research. The talk will focus primarily on two projects I have worked on. The first of these involves using optimization techniques to assess policy options for downsizing the US nuclear weapons stockpile, and the second topic addresses using supercomputers to help solve energy grid planning problems, based on ongoing work with energy stakeholders in the state of California.

Background: One semester linear algebra.

About the speaker: Carol Meyers has worked as a mathematician at Lawrence Livermore National Laboratory since receiving her PhD in operations research from MIT in 2006. Her expertise is in the areas of integer and linear programming optimization, risk analysis, decision theory, and discrete event simulation.

SNACKS IN MH331B AT 2:30 PM

TALKS START AT 3 PM

For more information, see our full schedule at:

<http://www.math.sjsu.edu/~hsu/colloq/>