



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



# Carol Meyers

Lawrence Livermore National Laboratory

*Optimizing the Enterprise:  
My Career at a National Laboratory*

MARCH 25, 2020, VIA ZOOM

**Abstract:** Are you curious about the work done at a national lab? Are you interested in learning how *operations research* is applied to real problems? In this talk I will introduce the field of operations research and describe the kinds of math I have used in my 13 years at Lawrence Livermore National Laboratory. The talk will give a broad perspective across several application areas, including nuclear stockpile modeling, counterterrorism, energy grid modeling, and improving efficiency at my own lab. These projects span a range of time frames, sponsors, and team sizes, and hopefully will give a flavor of the diverse work we do.

*Background:* No mathematical background necessary.

**About the speaker:** Carol Meyers is a mathematician and associate program leader for nuclear weapons enterprise evaluation and planning at Lawrence Livermore National Laboratory. Her expertise is in integer and linear programming optimization, decision theory, cost analysis, schedule analysis, and risk analysis. She holds a BA in math from Pomona College and a Ph.D. in Operations Research from MIT.

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