



## Winter Colloquium Series

### Problems in Applied Optimization

**Dr. Jillian Cannons**  
**Mathematics, Cal Poly Pomona**

#### **Abstract:**

Optimization problems arise in a vast array of different application areas. This talk will discuss three optimization situations occurring in different fields of engineering. In particular, the first deals with the problem of maximizing data throughput in a communications network. The second addresses the minimization of error probability in a wireless sensor network through the optimal placement and assignment of relays. The final stems from the use of robotics in agriculture and considers how to optimally align data from different sources.

**Thursday, March 3, 12:05 - 12:50pm in 3-1637**