

**MECHANICAL ENGINEERING DEPARTMENT  
ISyE 8773-8774**

**Space Optimization at Target Corporation**

by

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3:30 p.m. — Graduate Seminar  
Room 1130 ME**

**ABSTRACT** — With over 1,500 stores of varying shapes and sizes in diverse markets, Target faces a constant challenge to put the right products in the right stores in the right quantities. Additionally, the placement of items within the stores must be done in a way that is easy for guests to shop. In this talk, I will discuss current efforts to use optimization to determine how to place products on shelves while considering product restrictions, presentation strategies, and inventory goals.

**BIO** — Lisa Miller is a Senior Optimization Analyst at Target Corporation. She earned her B.S. in Discrete Mathematics and Ph.D. in Industrial Engineering from Georgia Institute of Technology. Before joining Target, Dr. Miller was a postdoctoral associate and assistant professor at the University of Minnesota from 2002-2006. Her research interests are in optimization modeling and algorithms.