

**DANIEL J. EPSTEIN DEPARTMENT OF
INDUSTRIAL AND SYSTEMS ENGINEERING**

EPSTEIN INSTITUTE SEMINAR • ISE 651 SEMINAR

***Applications of Operations Research in
Healthcare at the University of Michigan
Health System***

Amy Cohn

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Department of Industrial and Operations Engineering
University of Michigan**

ABSTRACT

In this talk, I will demonstrate some of the challenges and opportunities of applying operations research techniques to healthcare problems. I will focus in particular on the importance of close collaboration with healthcare practitioners and the variety of methodologies that can be of use. Examples will be drawn from cardiothoracic transplant surgery, asthma in pediatric emergency medicine, and the scheduling of medical residents.

**TUESDAY, MARCH 12, 2013
VON KLEINSMID CENTER (VKC) ROOM 100
3:45 – 5:00 PM**

SPEAKER BIO



Professor Amy Cohn is an Associate Professor and Thurnau Professor in the Department of Industrial and Operations Engineering at the University of Michigan College of Engineering. She is also the Associate Director of the University of Michigan Center for Healthcare Engineering and Patient Safety, as well as an Affiliate of the MIT Global Airline Industry Program. Her research interest is in applied combinatorial optimization, primarily in aviation and healthcare. She received her Ph.D. in Operations Research from the Operations Research Center at the Massachusetts Institute of Technology in 2002 and earned the A.B. in Applied Mathematics from Harvard University in 1991.