

## IPC Short Course: Operations Research or the Mathematics of Strategic Decision Making

Thursday March 18, 2010

- 9:00–9:30 *Check-In/Light Breakfast (Hosted by IPAM)*
- 9:30–9:45 *Welcome to IPAM - Russ Caflisch*
- 9:45–10:00 **William Massey** (Princeton University)  
*Overview of Operations Research*
- 10:00–10:45 **Illya Hicks** (Rice University)  
*Discrete Optimization and Social Networks*
- 10:45–11:00 *Break*
- 11:00–11:45 **Monica Jackson** (American University)  
*Detecting global clustering patterns and outliers on spatially correlated data for disease surveillance*
- 11:45–12:00 *Break*
- 12:00–12:45 **Mariana Olvera-Cravioto** (Columbia University)  
*An OR perspective on ranking information*
- 12:45–1:45 *Lunch (hosted by IPAM)*
- 1:45–2:30 **Julie Ivy** (North Carolina State University)  
*Partially Observable Markov Decision Process Models for Medical Decision Making*
- 2:30–2:45 *Break*
- 2:45–3:30 **William Massey** (Princeton University)  
*Queueing Theory and the Operations of Communication Systems*
- 3:30–3:45 *Break*
- 3:45–4:45 **William Massey** (Princeton University)  
*Closing Comments and Discussion*
- 5:00–7:00 *Reception (Location: IPAM Lobby)*
- 7:00–12:00 *Yoga Class*



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