

FALL 2015

SPRING 2016

# Network Dynamics and Control

## WORKSHOPS AT THE TWO INSTITUTES

Deterministic and stochastic dynamical systems on networks currently provide an essential approach to modeling in many areas of application, especially in the biosciences. This fact underscores the importance to the mathematical sciences community of developing tools to understand the interplay between network structure and dynamical processes, as well as how network dynamics can be controlled. Because of this, IMA and MBI are joining together to host this topical and unique yearlong program.

### IMA WORKSHOP

Distributed  
Control and  
Decision Making  
Over Networks

9.28-10.2.2015

### IMA WORKSHOP

Analysis  
and Control  
of Network  
Dynamics

10.19-23.2015

### IMA-MBI WORKSHOP

Biological  
Systems and  
Networks

11.16-20.2015

### MBI WORKSHOP

The Interplay  
of Stochastic  
and Deterministic  
Dynamics in  
Networks

2.22-26.2016

### MBI WORKSHOP

Dynamics in  
Networks  
with Special  
Properties

1.25-29.2016

### MBI-IMA WORKSHOP

Control and  
Observability  
of Network  
Dynamics

4.11-15.2016

### MBI WORKSHOP

Generalized  
Network  
Structures and  
Dynamics

3.21-25.2016

### OPPORTUNITIES

- POSTDOCTORAL  
FELLOWSHIPS
- LONG-TERM  
VISITS
- PARTICIPATION  
IN WORKSHOPS

Institute for Mathematics  
and its Applications

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**mbi**  
Mathematical Biosciences Institute  
at The Ohio State University

For more information about the IMA Annual Thematic Program **Control Theory and its Applications** and the MBI Emphasis Program **Dynamics of Biologically Inspired Networks**, please go to [www.ima.umn.edu](http://www.ima.umn.edu) and [mbi.osu.edu](http://mbi.osu.edu).