



ICERM

Institute for Computational and Experimental Research in Mathematics

SEMESTER PROGRAM: FALL 2016

Topology in Motion

September 6 – December 9, 2016

Organizing Committee:

Yuliy Baryshnikov, *University of Illinois*

Fred Cohen, *Rochester University*

Matthew Kahle, *The Ohio State University*

Randall Kamien, *University of Pennsylvania*

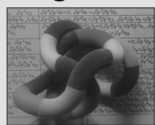
Sayan Mukherjee, *Duke University*

Igor Pak, *UCLA*

Ileana Streinu, *Smith College*

Rade Zivaljevic, *Belgrade University*

Program Description:



This program aims at exploring those areas of topology where the research challenges stem from scientific and engineering problems and computer experiments rather than the intrinsic development of the topology proper. In this context, topology is a toolbox of mathematical results and constructions which impacts and inspires developments in other areas. Born as a supporting discipline, aimed at creating a foundation of intuitive notions immensely useful in differential equations and complex analysis, algebraic topology remains indispensable in many disciplines.

Associated Workshops:

- Unusual Configuration Spaces
September 12 - 16, 2016
- Stochastic Topology and Thermodynamic Limits / *October 17 - 21, 2016*
- Topology and Geometry in a Discrete Setting / *November 28 - December 2, 2016*



Program and participant details:
<http://icerm.brown.edu>

ICERM welcomes applications for long- and short-term visitors. Support for local expenses may be provided. Decisions about online applications are typically made 1-3 months before each program, as space and funding permit. ICERM encourages women and members of underrepresented minorities to apply.

About ICERM: The Institute for Computational and Experimental Research in Mathematics is a National Science Foundation Mathematics Institute at Brown University in Providence, RI.

