

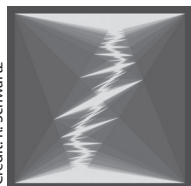


# ICERM

Institute for Computational and Experimental  
Research in Mathematics

## Low-dimensional Topology, Geometry, and Dynamics

September 9 – December 6, 2013



Credit: R. Schwartz

**Program Description:** This semester-long program focuses on the recent impact of computation and experiment on the study of the pure mathematics sides of topology, geometry, and dynamics. Specific areas include 3-dimensional topology, the study of locally symmetric spaces, low-dimensional dynamics, and geometric group theory. Included are areas where computation has not yet had an impact, but might do so in the near future.

### Workshop 1: Exotic Geometric Structures

September 15–20, 2013

### Workshop 2: Topology, Geometry and Group Theory, Informed by Experiment

October 21–25, 2013

### Workshop 3: Geometric Structures in Low- Dimensional Dynamics

November 18–22, 2013

### Organizing Committee:

Marc Culler, University of Illinois, Chicago  
Nathan Dunfield, University of Illinois, Urbana-Champaign  
Walter Neumann, Barnard College, Columbia University  
Richard Schwartz, Brown University  
Caroline Series, University of Warwick  
Dylan Thurston, Barnard College, Columbia University  
Genevieve Walsh, Tufts University  
Anton Zorich, IMJ, University Paris-7

To learn more about ICERM's programs, organizers, confirmed program participants, and to submit an application, please visit our website:

<http://icerm.brown.edu>

**Participation:** ICERM welcomes applications for long- and short-term visitors. Support for local expenses may be provided. Full consideration will be given to applications received by March 15, 2013. Decisions about online applications are typically made 1–3 months before the 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, Rhode Island. Its mission is to broaden the relationship between mathematics and computation.

