



Pacific Institute *for the*  
Mathematical Sciences

# PIMS Symposium on the Geometry and Topology of Manifolds

29 June - July 10, 2015

Earth Sciences Building  
University of British Columbia

This conference will gather mathematicians working on a broad range of topics in the geometry and topology of manifolds and provide an opportunity for researchers and graduate students to learn about new connections. The program will include a combination of expository and research talks, as well as time for informal contacts and exchanges of ideas.

## PROPOSED THEMES

- geometric structures and analysis on manifolds (e.g Ricci flow, Einstein metrics, special holonomy)
- geometric group theory and 3-manifolds; geometric topology (e.g surgery theory, cobordism and stability of diffeomorphisms)
- smooth 4-manifolds and gauge theory; symplectic geometry and topology

## CONFIRMED PLENARY SPEAKERS

- Martin Bridson (Oxford)
- Ruth Charney (Brandeis)
- Octav Cornea (Université de Montréal)
- Mike Davis (Ohio State)
- Benson Farb (Chicago)
- Tom Farrell (Binghamton)
- Soren Galatius (Stanford)
- Marco Gualtieri (Toronto)
- Wolfgang Lueck (Bonn)
- Ib Henning Madsen (Copenhagen)
- Ciprian Manolescu (UCLA)
- John Pardon (Stanford)
- Oscar Randal-Williams (Cambridge)
- Daniel Ruberman (Brandeis)
- Gang Tian (Princeton)

**ORGANIZERS:** Boris Botvinnik (Oregon), Ian Hambleton (McMaster), Alexei Kovalev (Cambridge) and Dale Rolfsen (UBC)

**WEBSITE:** [www.pims.math.ca/scientific-event/150629-psgtm](http://www.pims.math.ca/scientific-event/150629-psgtm)

