



Pacific Institute *for the*
Mathematical Sciences
www.pims.math.ca

West Coast Algebraic Topology Summer School: Topological Field Theories

The University of British Columbia

July 7-12, 2014



This summer school is aimed at graduate students and post-docs, though all are welcome. Its goal is for participants to learn about the different aspects of the study of topological field theories, reaching the research frontier as much as possible. These different aspects include:

- (1) the origins of topological quantum field theory in physics
- (2) the mathematical formulation and relation to bordism theory
- (3) extended theories and the cobordism hypothesis
- (4) examples and applications, such as string topology, factorization homology and examples from representation theory

SCIENTIFIC COMMITTEE: David Ayala, Andrew Blumberg, John Francis, Dan Freed (chair), Owen Gwilliam, Kate Poirier, Chris Schommer-Pries

ORGANIZING COMMITTEE: Alejandro Adem, Ralph Cohen, Dev Sinha

REGISTRATION: Application and Registration for this event will open in early 2014

See website for further details: <http://www.pims.math.ca/scientific-event/140707-wcatss>



STANFORD
UNIVERSITY