

Submittee: Ursula Whitcher

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Title: PIMS-NSF Undergraduate Workshop on Supersymmetry

Event Type: Conference-Workshop

Location:

PIMS, University of British Columbia, Vancouver, Canada.

Dates:

August 14-20, 2016

Topic:

Mathematics and physics of Adinkras.

Methodology:

Speakers gave pedagogical lectures and led problem sessions. We organized a panel session on graduate school in the US and Canada. We coordinated with TRIUMF to hold a poster session and public lecture by S. Jim Gates, and toured TRIUMF as an excursion. The week culminated in student presentations.

Objectives Achieved:

We introduced a group of talented undergraduate students to cutting-edge problems at the boundary between mathematics and physics.

Scientific Highlights:

Participants described the workshop as a unique experience that furthered and clarified their professional goals. Several groups of students have applied to present projects from the PUWS workshop in the undergraduate poster session at the Joint Mathematics Meetings in January 2017.

Organizers:

Doran, Charles, Mathematics, University of Alberta

Iga, Kevin, Natural Science Division, Pepperdine University

Whitcher, Ursula, Mathematics, University of Wisconsin-Eau Claire/ Mathematical Reviews

Speakers:

Minako Chinen, Mathematics, University of Alberta: graduate teaching assistant

Charles Doran, Mathematics, University of Alberta: geometrization

S. Jim Gates, Physics, University of Maryland: physics mini-course

Delilah Gates, Physics, Harvard: graduate teaching assistant
Kevin Iga, Natural Sciences, Pepperdine University: algebra mini-course
Dagan Karp, Mathematics, Harvey Mudd College: graduate school panel organizer
Jordan Kostiuik, Mathematics, University of Alberta: graduate teaching assistant
Stefan Mendez-Diez, Mathematics, Bard College: physics mini-course

Links:

<http://people.uwec.edu/whitchua/supersymmetry/>
