Submittee: Barbara Csima
Date Submitted: 2014-10-08 12:13
Title: Two Weeks at WATERLOO - A Summer School for Women in Math
Event Type: Summer-School

Location:
University of Waterloo

Dates:
August 10-23, 2014

Topic:
This was a summer school for female undergraduate mathematics students. Two mini-courses were offered, "Kakeya sets, or, a handbook of parallel parking", taught by Professor Malabika Pramanik from the University of British Columbia, and "Algorithmic learning theory", taught by Professor Jennifer Chubb Reimann from the University of San Francisco.

Methodology:
The courses met four days each of the two weeks. As part of the courses, the students worked in small groups on a research project. Three guest lectures by prominent women mathematicians were given, including one public lecture. Tours were made to meet with female mathematicians in industry at IBM, Sun Life and Maplesoft. The students also visited the Fields Institute.

Objectives Achieved:
The purpose of the workshop was to encourage and inspire talented women students to continue their studies in mathematics and to consider graduate work in mathematics. The students reported that the school was a worthwhile experience. The majority indicated that they were more interested in graduate school now than they had been before. Many told us how much they enjoyed meeting and doing mathematics with other women students and instructors. They found it helpful to hear the life stories and different career paths of women mathematicians.

Organizers:
Campbell, Sue Ann, Applied Mathematics, University of Waterloo // Csima, Barbara, Department of Pure Math, University of Waterloo // Hare, Kathryn, Department of Pure Math, University of Waterloo // Frigon, Marlene, University of Montreal // Laba, Izabella, University of British Columbia // Pramanik, Malabika, University of British Columbia // Lalin, Matilde, University of Montreal // Wolkowicz, Gail, McMaster University //

Speakers:
Pramanik, Malabika, University of British Columbia, Mini-course "Kakeya sets, or, a handbook of parallel parking" // Chubb Reimann, Jennifer, University of San Fransisco, Mini-course "Algorithmic learning theory" // Zeeman, Mary Lou, Mathematics, Bowdoin College, Public Lecture "Understanding Tipping Points in Climate and Sustainability" // Viinikka, Julia, Sun Life, Lecture "Provocative Risk" // Dewar, Megan, Tutte Institute for Mathematics and Computing, Lecture "Universal Cycles" // Sulem, Catherine, Department of Mathematics, University of Toronto, Lecture "The dynamics of ocean waves" //

Links:
