

Submittee: Cecilia Hutchinson
Date Submitted: 2010-08-05 08:59
Title: 7th Mathematical Biology Summer Workshop
Event Type: Conference-Workshop

Location:
University of Alberta

Dates:
May 11 to 21, 2010

Topic:
Mathematical Biology

Methodology:
Introduction of mathematical modeling and analysis applied to real biological systems, involving intensive interactions between participants and faculty members via lectures, presentations, problem-solving sessions, tutorials, and project coaching. Graduate students and postdoctoral fellows provided additional instruction by helping as teaching assistants and project coaches.

Objectives Achieved:
Sixteen participants (promising senior-level undergraduate students as well as beginning graduate students) were introduced to mathematical modeling and analysis applied to real biological systems.

Scientific Highlights:
On the final day of the Workshop, student teams presented results of their week-long research on a topic of their choice in mathematical biology.

Organizers:
de Vries, Gerda, Mathematical & Statistical Sciences, Alberta; Dawes, Adriana, Mathematical & Statistical Sciences, Alberta; Hillen, Thomas, Mathematical & Statistical Sciences, Alberta; Lewis, Mark, Mathematical & Statistical Sciences, and Biological Sciences, Alberta; Wang, Hao, Mathematical & Statistical Sciences, Alberta

Speakers:
de Vries, Gerda, Mathematical & Statistical Sciences, Alberta - Lectures on Stochastic Models - Presentation on research interests // Hillen, Thomas, Mathematical & Statistical Sciences, Alberta - Lectures on ODE Models - Presentation on research interests // Lewis, Mark, Mathematical &

Statistical Sciences, and Biological Sciences, Alberta - Lectures on Discrete Models - Presentation on research interests // Wang, Hao, Mathematical & Statistical Sciences, Alberta - Lectures on PDE Models and Parameter Estimation - Presentation on research interests // Maini, Philip, Mathematical Institute, Oxford - Keynote presentation on research in mathematical biology // Hilker, Frank, Mathematical Sciences, Bath - Presentation on research interests

Links:

http://www.math.ualberta.ca/~mathbio/summer_workshops/index-SW-all-info.html

File Uploads:

Additional Upload 1: http://www.pims.math.ca/files/final_report/Addendum-to-PIMS-Report.pdf
