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AUG. 22 2013 | 106-13

Top mathematicians and scientists to attend Laurier conference

WATERLOO – Wilfrid Laurier University is hosting the 2013 International Conference on Applied Mathematics, Modeling and Computational Science (AMMCS-2013) from Aug. 26 to 30 on the university's Waterloo campus.

Some of the world's top researchers in applied mathematics, modeling and computational science will report advances in their disciplines, which include computational fluid dynamics, nanoscience, mathematical biology and medicine, risk management, decisions and games, and more.

"The conference offers researchers, industrialists, engineers and students the opportunity to present their latest research, to interact with the experts in the field, and to foster the interdisciplinary collaborations required to meet the challenges of modern science, technology and society," said Laurier Mathematics Professor Roderick Melnik, a Canada Research Chair in Mathematical Modelling and an organizer of the event.

This year's conference features distinguished scientists, including George Papanicolaou from Stanford University, Marty Golubitsky from Ohio State University, Vaughan Jones from Vanderbilt University, Emily Carter from Princeton University, Ronald Coifman from Yale University and others. There will be more than 50 sessions and 19 plenary and semi-plenary speakers. Several prizes will be awarded to students and young researchers, including the AMMCS Kolmogorov-Wiener Prize for Young Researchers.

This conference will also feature a special session exploring women in science and mathematics, which includes talks by Catherine Mavriplis, NSERC Chair for Women in Science and Engineering, titled "Fifteen years of funded programs to advance women in science and engineering: progress and persistent challenges," and by Judith Giordan, co-founder of the Chemical Angel Network, titled "The power of diversity: women's leadership in STEM fields." The session was organized by faculty members from Laurier's Centre for Women in Science.

Max Blouw, Laurier's president and vice-chancellor, will open the conference at 8:30 a.m. on Monday, Aug. 26 in the Bricker Academic Building, room BA201.

The conference is part of the worldwide Mathematics of Planet Earth celebration and is organized in cooperation with the Society for Industrial and Applied Mathematics, the American Institute of Mathematical Sciences, and the universities of Guelph and Toronto, with support from the Fields Institute and others.

AMMCS is a major interdisciplinary, international conference held biennially. For more information about the conference, visit www.ammcs2013.wlu.ca.

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