

NEWS RELEASE



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Laurier centennial math conference attracts top scientists to the region

WATERLOO – More than 400 of the world's top scientists will converge on Wilfrid Laurier University's Waterloo campus from July 25 to 29 for the International Conference on Applied Mathematics, Modeling and Computational Science (AMMCS-2011) – one of the largest conferences of its kind ever held in Waterloo Region.

"The conference will address a wide range of problems at the forefront of modern science and technology, ecology and medicine, and economics and finance," said Laurier Mathematics Professor Roderick Melnik, a Canada Research Chair in Mathematical Modelling and co-organizer of the event. "There are many exciting sessions that we know scientists – as well as the community at large – would find interesting."

Among the many scientists and mathematicians attending are experts from the Courant Institute of Mathematical Sciences at New York University, the Massachusetts Institute of Technology, Brown University, the NASA Langley Research Center.

"The original submissions came from more than 900 authors in 43 countries on six continents," said Ilias Kotsireas, a professor in the Department of Physics and Computer Science and co-organizer. "We pared that down to approximately 400 papers that we feel will provide a wide range of topics for debate."

Approximately 50 sessions will cover topics such as mathematical problems in nano- and biotechnologies, supply chain and product development, green energy sources, mathematical modeling in neuro-sciences, disease modeling, and modeling complex systems such as the human placenta. There will also be 10 one-hour talks by distinguished scientists and mathematicians.

The AMMCS-2011 conference follows the Waterloo Workshop in Computer Algebra 2011, which was hosted at Laurier's Waterloo campus in May. Both events are part of the university's centennial celebrations.

"We felt these events could play an important role in marking the university's 100th anniversary," said Kotsireas. "They will also bring people to campus who will get to learn more about Laurier as a university and as a community."

The AMMCS-2011 conference received major funding from the Fields Institute for Research in Mathematical Sciences, SHARCnet, and Maplesoft. For more information about the conference, visit www.ammcs2011.wlu.ca.