
Mathematics Opportunities

Fields Institute Program on Special Functions and q -Series

The Fields Institute for Research in Mathematical Sciences announces a two-week program, "Special Functions, q -Series and Related Topics", to be held Monday, June 12 to Friday, June 23, 1995 at the University of Toronto.

The first week (June 12–16) will consist of five mini-courses (three to four hours of lectures each) on the following topics: q -Series (Lecturer: George Gasper, Northwestern University); Orthogonal Polynomials (Lecturer: Walter Van Assche, Katholieke Universiteit Leuven); Asymptotics of Orthogonal Polynomials (Lecturer: Paul Nevai, Ohio State University); Computer Algebra and Special Functions (Lecturer: Doron Zeilberger, Temple University); and Quantum Groups and q -Special Functions (Lecturer: Tom Koornwinder, University of Amsterdam).

In the second week (June 19–23) there will be a workshop concentrating on the following research topics in relation to special functions and q -series (a different emphasis for each day): Orthogonal Polynomials and Special Functions; Multivariable Theory; Number Theory and Combinatorics; Computer Algebra; Quantum Groups and Representation Theory. For each topic there will be three invited one-hour speakers and a selection of contributed papers. The invited speakers included: Krishnaswami Alladi (University of Florida), Bruce C. Berndt (University of Illinois), Peter Borwein (Simon Fraser University), David Chudnovsky (Columbia University), Gregory Chudnovsky (Columbia University), Pavel I. Etingof (Harvard University), I. M. Gelfand (Rutgers University), R. Wm. Gosper (Symbolics, Inc.), Robert A. Gustafson (Texas A&M University), D. M. Jackson (University of Waterloo), A. Klimyk (Academy of Sciences of Ukraine), Hendrik T. Koelink (Katholieke Universiteit, Belgium), Christian Krattenthaler (Vienna University), M. Noumi (University of Tokyo), E. Opdam (University of Leiden, the Netherlands), and Peter Paule (Johannes Kepler University, Austria).

For more information, or to receive a registration package early in 1995, please contact: Lynne Wight, The Fields Institute, 185 Columbia Street West, Waterloo, Ontario, Canada N2L 5Z5; telephone 519-725-0096; fax 519-725-0704; e-mail spfunct@fields.uwaterloo.ca.

This event will follow the CMS 50th anniversary meeting (University of Toronto, June 4–8, 1995) and a conference on Special Functions and Related Topics in Analysis

(York University, June 9–10, 1995). The York University conference is dedicated to Lee Lorch on his forthcoming 80th birthday and will include talks by R. Askey, M. Ismail, M. Muldoon, R. Wong, and others to be announced. Those interested in the Lee Lorch conference should contact M. E. Muldoon, Mathematics & Statistics, York University, North York, Ontario M3J 1P3; telephone 416-736-5250; e-mail muldoon@mathstat.yorku.ca.

— *Fields Institute Announcement*

NRC Program for Collaboration with fSU Scientists

The National Research Council (NRC) has announced a new program whereby American scientists and engineers can host colleagues from the newly independent states of the former Soviet Union (fSU). The program is funded by the U.S. Agency for International Development.

This program allows colleagues to visit for six to twelve months to carry out joint research. The program is intended to support collaborative projects with a strong potential for commercial applications and/or potential to improve the quality of life in the U.S. and in the fSU. Of particular interest are projects that will enable fSU researchers who have worked in defense-related areas to apply their skills to civilian activities.

Grants of up to \$3,000 for travel and \$1,000 per month for living expenses will be made. Of particular interest are applications that demonstrate strong commitment on the part of the U.S. host and/or host institution. The participating countries are: Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Russia, Tajikistan, Turkmenistan, Ukraine, and Uzbekistan.

Application deadlines are **March 1, 1995**, for visits beginning by September 30, 1995, and **October 1, 1995**, for visits beginning by June 30, 1996. Application packets are available from: National Research Council, Office for Central Europe and Eurasia (FO2014), 2101 Constitution Avenue, N.W., Washington, DC 20418; telephone 202-334-3680; fax 202-334-2614; e-mail occe@nas.edu.

—*NRC Announcement*