

# CMS Summer 1999 Meeting

*Memorial University of Newfoundland, St. John's, Newfoundland, May 29 – June 1, 1999*

On behalf of Memorial University of Newfoundland and on the occasion of its 50<sup>th</sup> anniversary, the Department of Mathematics and Statistics extends a warm welcome to all participants in the 1999 Summer Meeting of the Canadian Mathematical Society. All scientific activities will take place at Memorial University of Newfoundland, St. John's, Newfoundland, from Saturday, May 29 to Tuesday, June 1, 1999.

**PLENARY SPEAKERS:** Tom Korner (Cambridge), R. K. Brylinski (Pennsylvania State), Ed Barbeau (Toronto), Michael van den Bergh (Limburg/Belgium).

**PRIZE LECTURES:** The Jeffery-Williams Lecture will be given by John Friedlander, University of Toronto. The Krieger-Nelson Prize will be given by Nicole Tomczak-Jaegermann, University of Alberta.

## SESSIONS

**Combinatorics and its Applications** (Org: Nabil Shalaby, Memorial University of Newfoundland and Doug Stinson, University of Waterloo); Frank Bennett (Halifax), Charles Colbourn (Maine), Kathryn Heinrich (SFU), Alexander Rosa (McMaster), Doug Stinson (Waterloo), Luc Vinet (Montreal).

**Education: What Mathematical Competitions Do for Mathematics** (Org: Bruce Shawyer and Ed Williams, Memorial University of Newfoundland); Ed Barbeau (Toronto), Ron Dunkley (Waterloo), Rita Janes (Director of NCTM, co-founder of Newfoundland and Labrador Mathematics League), Tony Gardiner (Birmingham), Shannon Sullivan (MUN student).

**Graduate Student Seminar:** A special session is being organized for graduate students. Anyone interested in participating in the organization of this program should contact Dr. Hermann Brunner, Meeting Director, at the following address: cms99@math.mun.ca.

**Joint CMS-CRM Session on Harmonic Analysis** (Org: Kathryn Hare, University of Waterloo); J. Benedetto (Maryland), B. Forrest (Waterloo), Jean-Paul Gabardo (McMaster), E. Granirer (UBC), H. Henig (McMaster), Z. Hu (Windsor), R. Kerman (Brock), Tom Korner (Cambridge), T. Lau (Alberta), D. Oberlin (Florida), J.-O. Ronning (Skode U.), G. Sinnamon (UWO), S. Wainger (Wisconsin).

**Nonlinear Analysis and its Applications** (Org: Sankatha Singh and Bruce Watson, Memorial University of Newfoundland); G. Allasia (Torino), J. Borwein (SFU), P. Gauthier (Montreal), K. Goebel (Lublin), W. A. Kirk (Iowa), W. Light (Leicester), S. Park (Seoul), B. Rhoades (Indiana), W. Takahashi (Tokyo), E. Tarafdar (Australia), J. Whitfield (Lakehead).

**Perspectives in Ring Theory** (Org: Eric Jespers, Vrije Universiteit Brussel and Edgar Goodaire, Memorial University of Newfoundland); Yuri Bahturin (Moscow),

Michael van den Bergh (Limburg/Belgium), Jan Okninski (Warsaw), D. S. Passman (Wisconsin), Mohan Putcha (North Carolina State), Lex Renner (UWO), S. K. Sehgal (Edmonton).

**Joint CMS-Fields Institute Session on Representation Theory** (Org: Abraham Broer, McGill University); Rane K. Brylinski (Pennsylvania State), Jon Brundan (Oregon at Eugene), Clifton Cunningham (Massachusetts), Sam R. Evens (Arizona at Tucson), Loek Helminck (North Carolina State), Markus Hunziker (Brandeis), Alex S. Kleshchev (Oregon at Eugene), Friedrich Knop (Rutgers), V. Lakshmibai (Northeastern), W. Monty McGovern (Seattle), George McNinch (Notre Dame), Fiona Murnaghan (Toronto), Monica Nevins (Alberta), Mark Reeder (Boston College), Yasmine Sanderson (Rutgers), Gordan Savin (Utah), Eric Sommers (Harvard), Peter Trapa (Institute for Advanced Studies).

**Surveys in Mathematics** (Org: Kumar Murty, Toronto); speakers to be announced.

**Contributed Papers:** Contributed papers of 15 minutes duration are invited and graduate students are particularly urged to participate. Abstracts for CMS contributed papers should be prepared as specified below. For an abstract to be eligible, the abstract must be received before **March 31, 1999**. The abstract must be accompanied by its contributor's registration form and appropriate fees.

**WORKSHOP ON COMBINATORICS:** Participants might like to note that Memorial University is host for an AARMS-sponsored Workshop of Combinatorics from May 24-28, 1999. Details can be obtained from Dr. Nabil Shalaby, Department of Mathematics and Statistics, Memorial University of Newfoundland; nshalaby@math.mun.ca.

**SUBMISSION OF ABSTRACTS:** The CMS publishes abstracts for all scheduled talks. Titles for Plenary Speakers, Prize Lecturers, and Invited Special Session Speakers for the scientific and education programme will appear in the **April** issue of the *CMS Notes*. Titles for Contributed Papers will appear in the **May** issue of the *CMS Notes*. All abstracts will be published in the meeting programme and will be available on the Canadian Mathematical Electronics Services (Camel) <http://camel.math.ca/CMS/Events/summer99/> and on the CMS99 Summer Meeting Web Site: <http://www.math.mun.ca/~cms99/>.

**Plenary Speakers, Prize Lecturers, and Invited Special Session Speakers for the scientific and education programme:** These speakers are asked to submit their abstracts to the CMS as instructed by their organizers. Abstracts may be sent electronically, following instructions given below. Abstracts may also be prepared on the standard CMS form available from the session organizer or the CMS office in Ottawa. Abstracts should be sent to Dr. Richard Charron, Department of Mathematics and Statistics, Memorial University of Newfoundland, St. John's, Newfoundland CANADA A1C 5S7, so **as to arrive by the invited speaker deadline of February 26, 1999.**

**Contributed Papers:** Those submitting contributed papers may submit their abstracts electronically, following instructions given below, or by using the standard CMS form available from the CMS office in Ottawa, in the February issue of the *CMS Notes*, or at the CMS Web site. Abstracts should be sent to Dr. Richard Charron, Department of Mathematics and Statistics, Memorial University of Newfoundland, St. John's, Newfoundland CANADA A1C 5S7, so **as to arrive by March 31, 1999.**

**Electronic submission of abstracts:** Files should include the speaker's name, affiliation, complete address, title of talk, and the abstract itself. Files may be sent by e-mail to Dr. Richard Charron, at: [abstracts@cms.math.ca](mailto:abstracts@cms.math.ca). *Please note the appropriate deadline given above for the submission of your abstract.*

**SOCIAL EVENTS:** Social events include a cash-bar reception on Friday evening during evening registration and a delegates' luncheon (the cost of this luncheon is included in all registration categories). Tickets will be available for an evening of Dinner Theatre following the theme *Newfoundland Kitchen Party*.

**REGISTRATION:** Registration fee information and forms are available from the CMS Executive Office, 577 King Edward, Suite 109, PO Box 450, Station A, Ottawa, Ontario, CANADA K1N 6N5 Tel: 613-562-5702, FAX: 613-565-1539, e-mail: [meetings@cms.math.ca](mailto:meetings@cms.math.ca), web: <http://camel.math.ca/CMS/Events/summer99/> OR from CMS99, Department of Mathematics and Statistics, Memorial University of Newfoundland, St. John's, Newfoundland, CANADA A1C 5S7, Tel: 709-737-8783, FAX: 709-737-3010, e-mail: [cms99@math.mun.ca](mailto:cms99@math.mun.ca).

Speakers should contact their organizers for special speaker rates. **Electronic pre-registration** is available on our Camel site at <http://camel.math.ca/CMS/Events/summer99/>. This site also has the latest information on the meetings.

**ACCOMMODATION:** It is recommended that those attending the conference book early to avoid disappointment. Blocks of rooms have been reserved at three different facilities and will be held until **May 1, 1999**. Reservations not in by that date will be on a request only, space available basis. Rates quoted are in Canadian dollars.

#### **Hotel Newfoundland**

Cavendish Square, St. John's, Newfoundland

Check-in: 15:00; Check-out: 12:00

Reservation Deadline: **May 1, 1999**

Rates: \$119, single/double occupancy, *Canadian Pacific* \$129, single/double occupancy, *Canadian Deluxe* (An additional charge of \$20/room for additional person.)

Applicable taxes: 15% HST

Phone: 709-726-4980 Reservations

FAX: 709-726-2025

Toll-free reservations: 1-800-441-1414 ; <http://www.noia.nf.ca/hotelnf.htm>.

#### **Quality Hotel**

2 Hill O'Chips, St. John's, Newfoundland

Check-in: 13:00; Check-out: 12:00

Reservation Deadline: **May 1, 1999**

Rates: \$85, single/double occupancy

(A complimentary upgrade to harborside guest rooms, pending availability, is offered, free parking.)

Applicable taxes: 15% HST

Phone: 709-754-7788; Toll-free reservations: 1-800-228-5151

#### **MUN Housing**

Memorial University of Newfoundland, St.,John's, Newfoundland

Check-in: 13:00; Check-out: 12:00

Reservation Deadline: **May 1, 1999**

Rates: (est.) \$32, single occupancy; \$50, double (twin beds) occupancy

Applicable taxes: 15% HST

Phone: 709-737-4003

E-mail: [ptulk@morgan.ucs.mun.ca](mailto:ptulk@morgan.ucs.mun.ca); <http://www.housing.mun.ca/>.

**CHILD CARE:** Child care is available at the MUN Day-care Centre, located on the MUN campus, St. John's, Newfoundland. Hours of operation are 7:45 to 17:15 from Monday to Friday. Rates are \$23 per day for children from two to 10 years of age. Please contact Anne Goebel at 709-737-4728 to make arrangements.

**TRAVEL:** Participants are urged to check their travel arrangements to make sure they are destined for St. John's, Newfoundland (call YYT) and **NOT** Saint John, New Brunswick (call YSJ). Upon arrival, taxis are available for the 15-minute ride from the airport to the hotels. A shuttle service will be arranged from the hotels to the meeting site.

**ACKNOWLEDGEMENTS:** The CMS and the Meeting Committee wishes to extend its thanks to the CRM, the Fields Institute, the following sponsors from Memorial University of Newfoundland: the Faculty of Science, the Vice-President (Research), the School of Graduate Studies, and the members of the Department of Mathematics and Statistics, for its support. The CMS wishes to acknowledge the contribution of the Meeting Committee in presenting these exciting scientific, educational, and social programs.

**MEETING COMMITTEE:** *Meeting Director:* Hermann Brunner (MUN), *Local Organizing Committee:* Richard Charron (MUN), *Ring Theory:* Eric Jespers (Brussels) and Edgar Goodaire (MUN), *Harmonic Analysis:* Kathryn Hare (Waterloo), *Representation Theory:* Abraham Broer (McGill), *Combinatorics:* Nabil Shalaby (MUN) and Doug Stinson (Waterloo), *Nonlinear Analysis:* Sankatha Singh (MUN) and Bruce Watson (MUN), *Surveys in Mathematics:* Kumar Murty (Toronto), *Education:* Bruce Shawyer (MUN) and Ed Williams (MUN), Monique Bouchard (CMS), Graham Wright (CMS), Rosalind English (MUN), Wanda Heath (MUN).