XXII INTERNATIONAL COLLOQUIUM ON GROUP THEORETICAL METHODS IN PHYSICS

GROUP22

University of Tasmania,
Hobart, 13-17 July 1998

FIRST ANNOUNCEMENT AND CALL FOR PAPERS

Themes and Special Sessions

Traditionally ICGTMP meetings highlight areas of mutual interaction between experimental and theoretical physics on the one hand, and mathematical aspects of group theory and symmetries on the other. They are organised thematically, with plenary sessions providing topical reviews and recent advances, as well as parallel sessions. Contributions are invited under the following headings:
Symmetry techniques in

- *atomic, molecular and cluster physics (ATOM);*
- *condensed matter physics and statistical mechanics (CMSM);*
- *dynamical systems, integrable systems, pde's (DYNS);*
- *foundations of quantum physics (QPHY);*
- *mathematical physics (MPHY);*
- *nuclear and particle physics (NUPP);*
- *quantum fields and strings (QFST);*
- *quantum optics (QOPT);*
- *relativity and gravitation (GREL).*

Within these themes, a number of topics of recent intense interest will be featured in Special Sessions, including:

- *duality symmetries (DUAL);*
- *integrable model symmetries (INTM);*
- *symmetries of nonlinear equations (NLIN);*
- *quantum algebras and related combinatorics (QALG);*
- *symmetry techniques for biological systems (BIOS).*

For details of abstract submission see below.

The 1998 colloquium will be held at the University of Tasmania, Hobart, between Monday 13 and Friday 17 July 1998 *inclusive*. Sessions will be held in the lecture theatres of the Physics Building, and at the University Centre. About 15 plenary lectures are planned, mainly during mornings, interspersed with the parallel talks (at least two sessions per day with about four parallel streams) and poster displays.

To date the plenary speakers include:

I Bars (U S California)
G Ellis (Capetown U)
F Iachello (Yale U)
N H Ibragimov (UNW Mmabatho)
B H J McKellar[1] *(U Melbourne)*
N Mukunda[1] *(CTS Bangalore)*
B Nienhuis (U Amsterdam)
A M Perelomov[1] *(U Zaragoza)*
W J Spence (QMW London)
P Steinhardt (U Pennsylvania)
P Winternitz (CRM Montreal)

Standing Committee:
A Arima (Japan), J L Birman (USA), A Bohm (USA), L L Boyle (UK), V K Dobrev (Bulgaria), H D Doebner (Germany, chair), J P Gazeau (France), G C Ghirardi (Italy), R Gilmore (USA), B Gruber (Austria), F Iachello (USA), R Kerner (France), Y S Kim (USA), A Kostelecky (USA), V I Man'ko (Russia), M A del Olmo (Spain), T D Palev (Bulgaria), A I Solomon (UK), L Vinet (Canada), K B Wolf (Mexico).

1998 International Advisory Committee:
R J Baxter (ANU), P Goddard (Newton I), M-L Ge (Nankai IM), B Hu (Hong Kong Baptist U), C A Hurst (U Adelaide), N H Ibragimov (UNW Mmabatho), J R Klauder (U Florida), G Milburn (U Queensland), Y Ohnuki (Nagoya W U), G Pogosyan (JINR Dubna), K Srinivasa Rao (IMS Madras), N Reshetikhin (UC Berkeley), S-J Rey (Seoul NU), M Schlesinger (U Windsor), P Sorba (LAPP Annecy), G Thompson (ICTP Trieste) J Wess (MPI München), B G Wybourne (Kopernika U)

ANZ Scientific Organising Committee:
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Local Organising Committee:
P D Jarvis (secretary), R Delbourgo (treasurer), S P Corney (publicity), D S Liu

Accommodation

A number of cheap rooms[2] ($\sim$ \$A 35 bed and breakfast) is available at a nearby University college; bookings for these and other budget hotels and motels (\$A 50 - 100) will be handled by a conference travel agent who will also handle pre- and post- conference tours, the accompanying persons programme, and child care. Details will be given in the second circular (see below).

Events

Registration will be available on the Sunday afternoon (12th July) as well as on Monday morning. A welcome reception will be held on Monday evening, with the conference dinner on Thursday evening. On Tuesday evening delegates are invited to attend a free public evening science lecture (to be given by Prof Paul Steinhardt). Planned excursions include: Mt Field National Park (rainforest and alpine scenery, native wildlife) and Port Arthur (Tasmania's convict heritage) on Wednesday afternoon. On Saturday morning (18th) a tour of Salamanca market is suggested.

Travel and Climate

Hobart has excellent air links with major cities in the south-east of Australia, with several connecting flights per day (one hour flying time from Melbourne). Winter daytime temperatures average 10°C and days may be fine and sunny, but delegates should be prepared for some rain and bring adequate warm clothing.

[1] to be confirmed

[2] All prices in AUD (currently \$A1 $\sim$ \$US .7)

Fees

The standard registration fee[2] will be $A 350 (students $A 200) which will cover morning and afternoon teas, welcome reception, abstracts book, and the proceedings volume, but not meals or excursions, which will be able to be prepaid separately at the same time as the registration fee. Details will be provided in the second circular (see below).

Travel and Visas

A 'Visitor Visa' should suffice for overseas delegates coming to Australia for a visit including conference[3] attendance(s). For other classes of visa a letter of invitation may be required, which we are happy to provide on request. The time taken to process visas varies widely, so allow ample time for this, preferably three months in advance. It is advisable to enquire about this at once at your local Australian embassy or consulate.

Application Form and Call for Papers

The email distribution of this announcement is accompanied by a LaTeX template which we ask you to fill and return in order to be on the list to receive the second circular. If you have only seen the announcement through this leaflet, you may request this template by sending an email to our email address given below with subject line 'request for application form', or you can submit your application via the ICGTMP98 web pages (address below). Our LaTeX template also serves for submission of your talk/poster abstract (one paper per presenting author); please complete the appropriate fields in this file and return, or submit your abstract via the ICGTMP98 web pages (address below). If you are absolutely unable to use email or the web, please airmail or fax your full details, including any abstract and theme area, to our mail address below.

Deadlines:

Abstract submission:	**3 April 1998**
Acknowledgement of receipt:	**17 April 1998**
Notification of acceptance:	**29 May 1998**

In the event of our being unable to accommodate all accepted papers in the talks category, we shall assign some as posters. Decisions on acceptances will be made by the Australia-New Zealand scientific organising committee and the local committee whose members shall also be involved in editing the proceedings volume (to be published by International Press).

Second Circular: February 1998

Financial Support

The conference may be able to offer financial support to a *limited* number of delegates, depending on the level of sponsorship. The second circular will contain details of procedures to be followed, but you may wish to indicate your interest now.

[3] see below for associated regional meetings

Contact Information

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http://oberon.phys.utas.edu.au/ICGTMP98/

Related Scientific Meetings:

Second Australasian Conference on General Relativity and Gravitation (ACGRG2), Sydney, July 6-10 1998
http://www.maths.usyd.edu.au:8000/u/ACGRG2/
Workshop on CP Violation, National Institute for Theoretical Physics, (Adelaide), July 3-8 1998
http://www.physics.adelaide.edu.au/cssm/workshops/CP_98.html