



MISG 2004
26 – 30 January 2004
at the University of Auckland

First Circular
17th October 2003

The 2004 MISG (Mathematics-in-Industry Study Group) will be held at the University of Auckland (City Campus) from Monday 26th January to Friday 30th January 2004, and you are cordially invited to participate. This workshop brings together professional mathematicians and industrial researchers for 5 days of intense collaboration on approximately 7 projects presented by Australian and New Zealand industry and business groups.

MISG 2004 Reference Group

- Massey University at Albany (Graeme Wake, Robert McKibbin)
- University of Auckland (Allison Heard, Steve Taylor, David Ryan)
- University of Waikato (Alf Sneyd)
- AgResearch (Tanya Soboleva)
- Massey University at Palmerston North (Bruce van-Brunt)
- Victoria University of Wellington (Mark McGuinness)
- Industrial Research (Graham Weir)
- University of Canterbury (Beverly Horn, Ian Coope)
- Canesis Network (Clive Marsh, Andy Wilkins)
- University of Otago (Boris Baeumer)

Goals

The MISG goals are to:

- Stimulate greater awareness in Australian and New Zealand industry and business of the problem solving power of mathematics
- Promote the diffusion and transfer of mathematical modelling and problem - solving to industry and business at large
- Establish better links between industry and academic mathematics
- Provide improved university education of mathematicians through
 - expanded employment prospects for mathematics graduates
 - fresh research problems for mathematicians
 - innovative material for teaching courses

Procedure

The format of the MISG 2004 will be unchanged from past meetings. On the first day, industrial representatives will describe a set of scientific projects of industrial origin. Mathematicians will then work collaboratively with the industry participants on the projects for three days before presenting their results on the final day. Each project will be managed by two moderators whose role will be to coordinate preliminary work including literature searches, outline any preliminary thoughts which need to be worked on, elicit contributions from all present, provide summaries throughout the workshop and assist in the preparation of a final technical report for the industrial participants. A plenary session with an invited talk, followed by preliminary problem reports will be held on Wednesday afternoon.

Problems to be presented

The list of projects will not be complete until November; however at this stage we are engaged in negotiations with several companies and we anticipate that the range of problems will be as diverse and challenging as in previous years. A complete list and brief description of projects will accompany our second circular in early December.

Accommodation and meals

Bed and breakfast accommodation will be available at O'Rorke Hall, 16 Mount St, Auckland City, for NZD \$59 per person for bed and breakfast in single study bedrooms with share facilities (this includes all linen and towels). The Hall is within 10 minutes walking distance of the workshop location and is close to the city where there is a large variety of restaurants and entertainment. Delegates are asked to confirm with Andrew Phillips (ac.phillips@auckland.ac.nz) by 22nd December, 2003 if they are staying in the Hall. If you do not wish to stay at O'Rorke, some suggestions for alternative accommodation are given below. When booking, state that you are a participant of the MISG workshop.

NZD = 0.87 AUD (approx)

Accommodation

Name	Address	Contact Details	Room Type	Charge (per room per night)	Facilities
Copthorne Harbour City Hotel	96-100 Quay Street, Auckland City	+64 (0) 9 377 0349 www.copthorneharbourcity.co.nz	Harbour view, twin or king	NZ \$125	Corporate breakfast included in tariffs
Flag Suites New President	27-35 Victoria Street West, Auckland City	+64 (0) 9 303 1333 www.newpresidenthotel.co.nz	Studio	NZ \$107	No meals included, but location is fairly central with nearby restaurants
Auckland City Hotel	131 Beach Rd, Auckland City	+64 (0) 9 303 2463 www.aucklandcityhotel.co.nz	Double or twin Single	NZ \$79 NZ \$65	Full breakfast included in tariffs

Please note:

Accommodation is the responsibility of the delegate. Please ensure you have personally made arrangements with the hotel/motel you are planning to stay at.

Rental Vehicles

If you wish to hire a vehicle for the duration of MISG 2004, Budget Rent a Car can provide a variety of late model cars and a range of other vehicles, all fitted with air conditioning. Budget have a depot at Auckland International Airport for your convenience.

Budget Rent A Car
+64 (0) 9 256 8447
Fax: +64 (0) 9 275 7095

Airport Shuttles

Auckland Airbus provides a transport service to and from Auckland International Airport every 20 minutes (30 minutes after 6pm). Airbus is available to all travellers and operates from stops outside the terminals at Auckland Airport. Reservations are not required. Contact telephone +64 (0) 9 375 4702.

Lunches

To facilitate discussion there will be organized lunches on Monday and Friday during the MISG.

Financial support

Students needing a grant-in-aid are asked to provide a brief written statement on their current enrolment status (degree, institution, dates) and a supporting statement from their supervisor. Grants of NZD500 are envisaged. New Zealand students can also apply to the New Zealand Mathematical Society for support (see NZMS newsletter).

The MISG 2004 Student Workshop

We strongly support participation in MISG 2004 by postgraduate and honours students from New Zealand and Australia. As in the past we will again be conducting a special workshop for these participants – students will be given guidance on how the workshop will proceed. Further details on the MISG 2004 Student Workshop will appear in the second circular.

Registration

Delegates must register, by completing the attached form, via email, or via the website <http://misg2004.massey.ac.nz/>.

Queries

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