EXPLORATORY EXPERIMENTATION AND COMPUTATION
IN NUMBER THEORY WORKSHOP

Wednesday 7 July to Friday 9 July 2010

The UNIVERSITY of NEWCASTLE

Keynote speakers include:

Jonathan Borwein (University of Newcastle)
Professor Borwein is a leading expert in analysis, number theory and one of the creators of experimental mathematics. He is known for an incredible number of contributions which relate special functions and integrals to the world of the numbers and mathematical constants. He will lecture on the arithmetic of uniform random walks.

Heng Huat Chan (National University of Singapore)
Professor Chan is well known for his prominent contributions to the areas influenced by Ramanujan. His lecture will be devoted to identities for modular forms.

Frank Garvan (University of Florida)
Professor Garvan is a worldwide specialist in q-series with numerous applications to number theory and combinatorics. He will report on congruences for modular functions.

Other speakers will include:

- **Assoc Prof Wadim Zudilin** (University of Newcastle)
- **Professor Ole Warnaar** (University of Queensland)
- **Professor Richard Brent** (Australian National University)
- **Dr Shaun Cooper** (Massey University)

The workshop is supported by AMSI (The Australian Mathematical Sciences Institute) and CARMA (The University of Newcastle's Priority Research Centre for Computer Assisted Research Mathematics and Applications)

Registration is Free. The workshop will contribute toward the cost of accommodation for participants if required.

Intention to Attend should be sent by Friday 11 June to:

Juliane Turner
The University of Newcastle
Email: juliane.turner@newcastle.edu.au
Phone: 02 49215483

Please indicate your accommodation requirements (e.g. single or double motel room) and if wishing to present a talk: its title together with a short abstract.

Wadim Zudilin, Workshop Organizer

http://carma.newcastle.edu.au/