THE UNIVERSITY OF
NEWCASTLE
AUSTRALIA

Exploratory Experimentation and Computation
In Number Theory Workshop
7 July – 9 July 2010

Wednesday 7 July

1.00pm	Lunch on arrival
2.30pm	Frank Garvan (*keynote speaker*): "Biranks for partitions into 2 colors and some theta function identities"
3.30pm	Pee Choon Toh: "Finite analogues of Rogers--Ramanujan type identities"
4.20pm	Welcome Reception

Thursday 8 July

9.30am	Heng Huat Chan (*keynote speaker*): "Ramanujan and the theory of modular forms"
10.30am	Morning Tea
11.00am	Richard Brent: "Ramanujan and Euler's constant"
12.00am	Ole Warnaar: "Higher-rank Rogers--Ramanujan identities"
1.00pm	Lunch
2.30pm	Shaun Cooper: "Apéry sequences and series for $1/\pi$"
3.30pm	Afternoon Tea
4.00pm	George Willis: "Rigidity for homomorphisms from arithmetic groups to locally compact groups"
5.00pm	Reza Rezaeian Farashahi: "On group structures realised by elliptic curves over a fixed finite field"
5.50pm	*Discussions*
6.30pm	Workshop Dinner

Friday 9 July

9.30am	Jonathan Borwein (*keynote speaker*): "The arithmetic of uniform random walks"
10.30am	Morning Tea
11.00am	James Wan: "Probability densities of random walks"
11.45am	Wadim Zudilin: "Series for $1/\pi$ revisited"
12.30pm	*Discussions*
1.00pm	Lunch and close