Prospects in q-series and modular forms Schedule

Wednesday July 14

(Chair: *Jeremy Lovejoy*)

10.00-11.00   *Bruce Berndt* (University of Illinois at Urbana-Champaign)
Ramanujan Reaches His Hand from His Grave and Steals Your Theorems from You

11.00-11.30   *Tea and coffee*

11.30-12.30   *Rob Rhoades* (Stanford University)
Duality and Differential Operators for Harmonic Maass Forms

12.30-14.30   *Lunch*

14.30-15.30   *Karl Mahlburg* (Princeton University)
Partitions, Probability, and Percolation

15.30-16.00   *Tea and coffee*

16.00-17.00   *Kazuhiro Hikami* (Naruto University of Education)
Superconformal Algebras and the Entropy of hyperKahler Manifolds

17.30   *Reception*

Thursday July 15
(Chair: *Sander Zwegers*)

10.00-11.00   *Winfried Kohnen* (Universität Heidelberg)
Generalized modular functions

11.00-11.30   *Tea and coffee*

11.30-12.30   *Anne Taormina* (Durham University)
Open questions in string compactification

12.30-14.30   *Lunch*

14.30-15.30   *Sameer Murthy* (Paris 6)
Quantum black holes and mock modular forms

15.30-16.00   *Tea and coffee*

16.00-17.00   *Song Heng Chan* (Nanyang Technological University)
Congruences for Ramanujan's ϕ function

17.00   *Conference photo*

19.00   *Conference dinner*

Friday July 16
(Chair: *Robert Osburn*)

9.00-10.00   *Özlem Imamoglu* (ETH Zürich)
Real quadratic analogues of singular moduli

10.00-10.15   *Tea and coffee*

10.15-11.15   *Frank Garvan* (University of Florida)
Biranks for partitions into 2 colors and some theta function identities

11.15-11.30   *Tea and coffee*

11.30-12.30   *Don Zagier* (MPIM and Collège de France)
Mock modular forms of small order