

Biarri Applied Mathematics THE BAM CONFERENCE

Development and application of mathematical
solutions to real world problems



Conference Date, Time and Location

20 February 2012, starting 8:50am sharp
Building 78, Room 224 of the St Lucia Campus, University of Queensland (see map)

Agenda

8:30 - 8:50	Arrival of all guests		
8:50 - 9:00	Introduction	Dr Ben Hollis and Assoc Prof Joseph Grotowski	Biarri and University of Queensland
9:00 - 9:45	Mathematics And Statistics On The Road; Case Studies Of Applications To Current Traffic Problems With Practical Results	David Shteinman	University of NSW
9:45 - 10:15	Practical Maths: Using Commercial Optimisation Solvers	Dr Andrew Grenfell	Biarri
10:15 - 10:30	Morning Tea		
10:30 - 11:15	Optimising Bicycle-Sharing Schemes	Dr Heng-Soon Gan	University of Melbourne
11:15 - 12:00	How To Prepare For Performing A Routing Optimisation	Dr Philip Kilby	NICTA
12:00 - 13:00	Lunch		
13:00 - 13:45	An Optimisation Approach To Maintenance Scheduling For Capacity Alignment In The Hunter Valley Coal Chain	Prof Martin Savelsbergh	University of Newcastle
13:45 - 14:15	Optimising Rolling Stock In Queensland Coal Chains	Dr Ben Hollis	Biarri
14:15 - 14:45	Fibre Network Design Optimisation	Chris Forbes	Biarri
14:45 - 15:00	Afternoon Tea		
15:00 - 15:45	GIS-Based Optimisation Tools For Analysing Transport And Electricity Networks	Dr Simon Dunstall	CSIRO
15:45 - 16:15	Water Grid Network Optimisation	Dr David Philpot	Biarri
16:15 - 16:45	Traffic Flow Optimisation	Jonathon White	Biarri
16:45 - 16:50	Conclusion	Dr Ben Hollis	Biarri

Refreshments

Morning tea, lunch and afternoon tea will be provided. Lunch will be in the University of Queensland Science Learning Centre, Building 67, Level 2 (see map).

Transport

The St Lucia campus of the University of Queensland can be conveniently accessed via car, ferry, bus, train or bicycle. Please visit www.uq.edu.au/maps/directions.html?menu=1 for directions.

St Lucia campus map

