

Australasian Bayesian Network Modelling Society

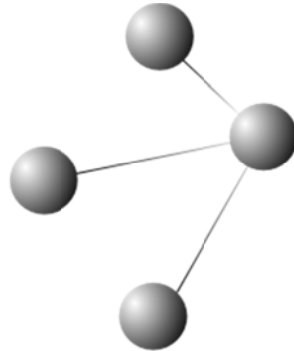


Annual Conference
Hobart Tasmania
27-28 November 2013

Conference program

Special thanks to our conference and tutorial sponsors:

Bayesian Intelligence: www.bayesian-intelligence.com



BAYESIAN
INTELLIGENCE

The Landscapes and Policy Hub: <http://www.nerplandscapes.edu.au/>

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POLICY *hub*

School of Zoology, University of Tasmania: <http://www.utas.edu.au/zoology/>



Reef Life Survey, University of Tasmania: <http://reeflifesurvey.com/>



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Need help?!

Contact Regina Magierowski

reginam@utas.edu.au

0400 126 024

Conference Program

Wednesday 27th November

09:30	David Albrecht	Welcome and Conference Opening
Session 1: Methods		
09:45	Ameneh Shobeirinejad, Ben Stewart-Koster, Peter Bernus, Jarrod Trevathan and Stephen Mackay	The effect of Bayesian network structure on the reliability of the model's outputs
10:15	Jim Lewis	Meeting the demands of network peak demand: Implementing a model of a complex socio-technical system using MS Excel
10:45	Morning tea	
Session 2: Fire		
11:15	Trent Penman, Christine Eriksen, Bronwyn Horsey and Ross Bradstock	Limitations of Bayesian Networks in public risk advice
11:45	Owen Woodberry, Steven Mascaro, Ann Nicholson and Kevin Korb	A user-friendly web-based BN interface for assessing bush fire risk
12:15	Panagiota Papakosta, Anke Scherb and Daniel Straub	Wildfire risk estimation by a Bayesian network – Example from a Mediterranean region
12:45	Lunch	
Session 3: Methods		
13:45	David Albrecht	An Experimental Design approach to Sensitivity Analysis
14:15	Kevin Korb, Steven Mascaro and Ann Nicholson	BayesWatch: An Anomaly Detection System
14:45	Michael Bane, Stuart Morgan, Ann Nicholson and Machar Reid	Ranking Prediction by Bayesian Inference
15:15	Afternoon tea	
Session 4: Methods		
15:45	Erik Nyberg and Kevin Korb	Synergy and Redundancy
16:15	Ian Hord	Building 24 Bayesian Risk Models in Nine Months
16:45	AGM	
19:00	Conference dinner	Kathmandu Cuisine-Battery Point

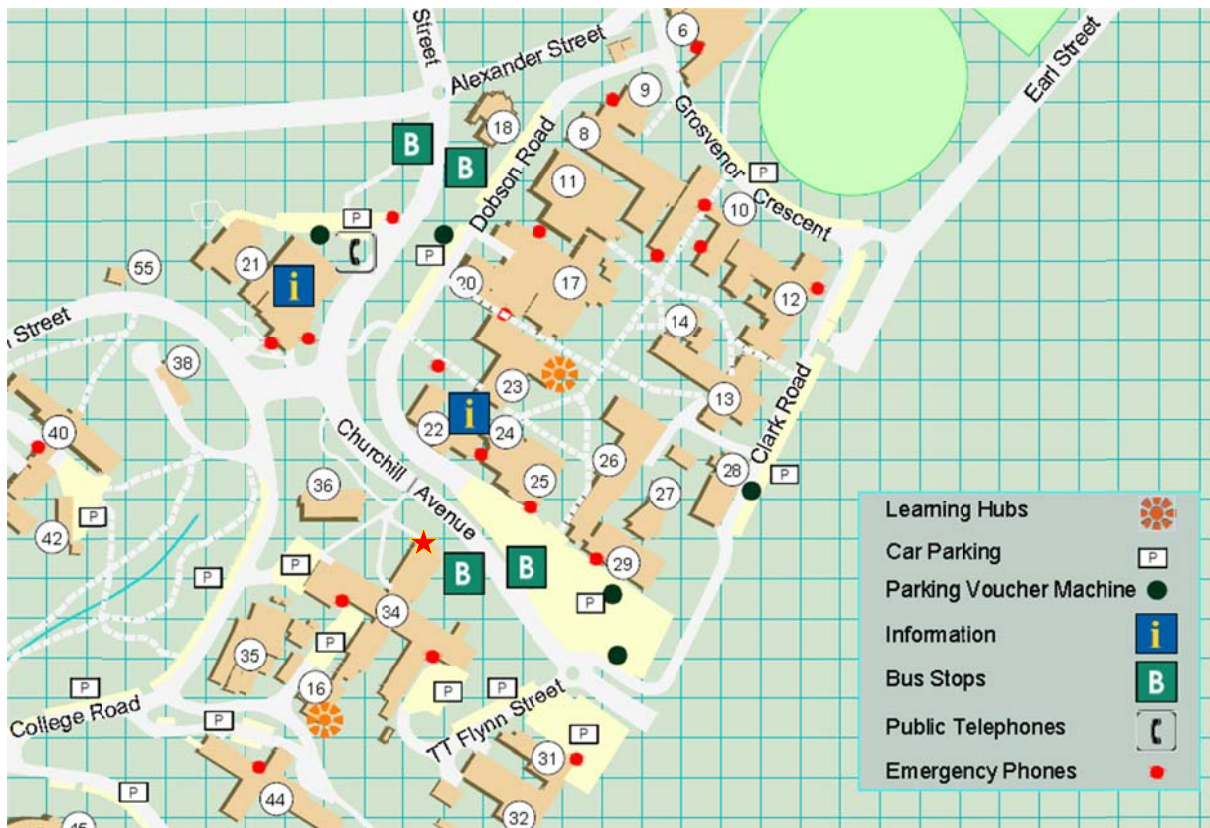
Thursday 28th November

Session 5: Software/Software developments		
08:00	Anders Madsen	Hugin (Denmark time: Wed 10pm)
08:45	Norman Fenton	AgenaRisk (UK time: Wed 9:45pm)
09:30	Morning tea	
Session 6: Ecology, Environment & Management		
10:00	Regina Magierowski, Peter Davies and Steve Read	The Tasmanian River Condition Bayesian Network
10:30	Lauchlin Wilkinson, Yung En Chee, Ann Nicholson and Pedro Quintana-Ascencio	An Object-oriented Spatial and Temporal Bayesian Network for Managing Willows in an American Heritage River Catchment
11:00	Owen Woodberry, Steve Sinclair and Ann Nicholson	An object-oriented dynamic Bayesian network for adaptive management of the Victorian Western Grasslands Reserve
11:30	Sina Frank, Petra Doell, Martin Welp, Umut Halik and Hamid Yimit	Integrating experts' knowledge into Bayesian Networks – The case of ecosystem services of urban and peri-urban vegetation in Xinjiang, NW China
12:00	Lunch	
Session 7: Mixed bag		
13:00	Lauren Cole, Trent Penman and Andy Davis	Modelling the disappearance of floating algal wrack and its impact on marine invertebrate biodiversity in a future ocean
13:30	Tali Boneh, Ann Nicholson, Kevin Korb, Rodney Potts and Peter Newham	A dynamic Bayesian network template for fog forecasting
14:00	Stephen Pawson, Cecilia Romo, Nicolas Meurisse, Martin Bader, Eckehard Brockerhoff, Owen Woodberry and Ann Nicholson	Developing an ecological risk based approach to manage phytosanitary pest risks on export <i>Pinus radiata</i> logs from New Zealand
14:30	Afternoon tea	
Session 8: Mixed bag		
15:00	Alex Black, Kevin Korb and Ann Nicholson	Learning Dynamic Bayesian Networks: Algorithms and Issues
15:30	Lisa Jamieson, Nihal de Silva and Alistair Hall	Bayesian Network model for risk assessment of fresh produce imports to New Zealand
16:00	David Albrecht	Conference close

Campus information

The ABNMS workshop will be held in the Life Sciences Computer room (Location 16, ground floor) and the conference in the Life Sciences Lecture Theatre 1 (Location 34, easiest entry point is at ★)

Campus map: A higher resolution version (and showing the entire campus) can be downloaded from: <http://www.utas.edu.au/campuses/campus-maps>



Food and 'coffee': Lazenby's café (Location 24, across footbridge on Churchill Ave) and Student Refectory (Location 21).

Shops and services: newsagent, Co-op Bookshop, Australia Post, Commonwealth Bank (Location 21)

Conference Dinner

The conference dinner will be at Kathmandu Cuisine in Battery Point. 22 Francis Street, Battery Point (03 6224 8800). Kathmandu specialise in Nepali and Tibetan food. We have pre-ordered a banquet with both meat, fish and vegetarian dishes.

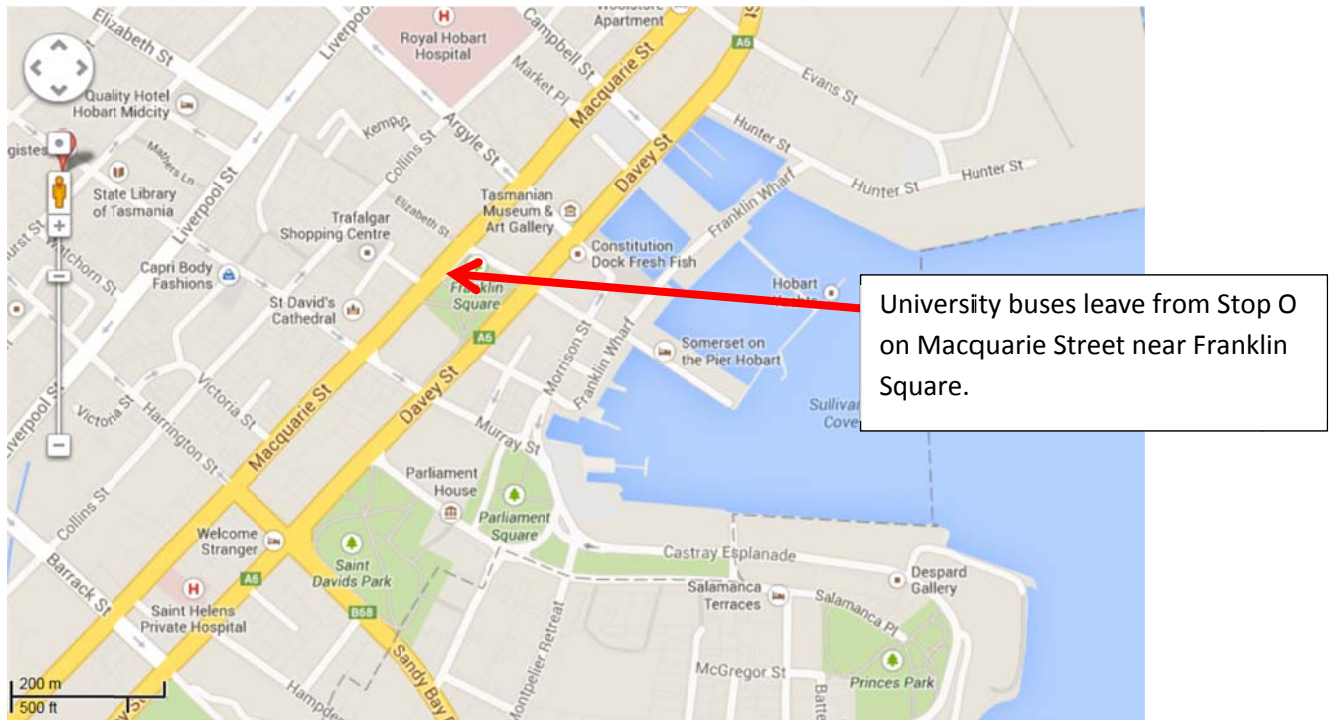
Metro buses

Metro buses travel between Hobart's Franklin Square and the University approx. every 10-20 minutes (until ~5pm then 20-60 minutes). Residents usually carry a travel card so its probably a good idea to carry correct change if you'd like to purchase a ticket from the driver.

Bus numbers: 51, 52, 53, 54 & 55. Download the "Sandy Bay - University - Lower Sandy Bay - Churchill Avenue - Regent Street" timetable from here - <http://www.metrotas.com.au/tt/> (note the 888 University bus service operates during semester only)

Contact details: <http://www.metrotas.com.au/> or 13 22 01

Cost: Adult fares \$2.80 single trip. A day pass ("day rover") can be purchased for \$5.00 but only if your first trip is after 9:00am.



Parking on campus

- yellow dots - free parking
- blue dots - voucher required between 8.00am and 6.00pm Monday to Friday
- white dots - staff permit holders
- green dots - student resident permit holders

Things to do:

- Waterfront and Salamanca: shops, restaurants, ferries
- Museum of Old and New Art – <http://www.mona.net.au/>
- Cascade Brewery Tours - www.cascadebrewery.com.au
- Tasman/Bruny Island Cruises - <http://www.pennicottjourneys.com.au/>
- Cadbury Chocolate Factory Tour and Derwent River Cruise - www.cadbury.com.au
- Lark Distillery - www.larkdistillery.com.au
- 10% discount at the Mill on Morrison (wine, tapas, grill) but you must book and mention the conference discount - 6234 3490, 11 Morrison Street Hobart.