

Schedule for the Inaugural Meeting of the Bayesian Network Modelling Society (ABNMS-09)
November 26th and 27th, 2009 at the University of Melbourne

Session	ABNMS-09 DAY 1 - Thursday 26 th November
9.00 – 10.15	Tutorial: Introduction to Bayesian Networks (Part 1): Presenters: Ann Nicholson & Carmel Pollino, V Venue: Biology lab Room 514, level 5 Redmond Barry, Blg 115
10.15 – 10.30	<i>Tea Break</i>
10.30 – 12.00	Tutorial: Introduction to Bayesian Networks (Part 2): Presenters: Ann Nicholson & Carmel Pollino Venue: Biology lab Room 514, level 5 Redmond Barry, Blg 115
12.00 – 12.50	<i>Lunch</i> (School of Botany, room G26)
12.50 – 13.00	Welcome Venue: Turner Theatre, School of Botany (University of Melbourne Map Grid reference E13)
	Tools
13.00 – 13.25	DBL Interactive - A Bayesian Network Decision Support toolkit for the web Carl Smith, Andrew Ling (University of Qld)
13.25– 13.50	EXLAIM2 - A tool for assessing climate change impacts on natural resources at regional scale Baihua Fu, Carmel Pollino, Ambrose Andrews, Felix Andrews, Susan Cuddy (iCAM, ANU)
13.50 – 14.15	Extending Actions for Biodiversity Conservation with Bayesian Networks (ABC-BN): Adrian Moorrees, Alicia Lucas, Vanessa Craigie, Owen Woodberry, Ann Nicholson (Dept of Sustainability and Env, Vic; Bayesian Intelligence)
14.15 – 14.40	TakeHeart II: a Decision support tool for clinical cardiovascular risk assessment Ann Nicholson, Charles Twardy, Kevin Korb, Lucas Hope (Faculty of IT, Monash University)
14.40 – 15.00	<i>Tea Break</i> (School of Botany, room G26)
	Environmental Applications
15.00 – 15.25	Representing Indigenous wetland ecological knowledge in a Bayesian Belief Network Liedloff A.C., P. Christophersen, S. McGregor, B. McKaige (CSIRO Sustainable Ecosystems, NT; Bushfire Cooperative Research Centre)
15.25 – 15.50	Supporting effective management of water-dependent ecosystems: the IBIS DSS for NSW inland wetlands. Merritt W. S., C. Pollino, B. Fu (iCAM, ANU)
15.50 – 16.15	A BN model for peatland risk assessment Andrea White (ACERA, University of Melbourne)
16.15 – 16.45	<i>Poster Session & Tea Break</i>
	<ul style="list-style-type: none"> • Using Bayesian networks to inform policy on the importation of old human remains. Shaiyena Williams, Dr Jasjit Johal, Dr Helen Cameron (Office of Health Protection, Australian Government Department of Health and Ageing) • Trade-offs between production, efficiency, and environment in livestock farming systems. Fiona Robertson, Malcolm McCaskill, Steve Clark, Nicole J Mathers and Ann Nicholson (Dept of Primary Industry, Vic; Bayesian Intelligence) • Incorporating expert priors when learning Bayesian networks: Heart failure as a case study. Julia Flores, Ann Nicholson, Andrew Brunskill, Kevin Korb, Steve Mascaro (Universidad de Castilla-La Mancha, Spain; Faculty of IT, Monash University)
16.45 – 18.00	Inaugural AGM of the Australasian Bayesian Network Modelling Society
7.00 pm	Dinner: University Cafe (257 Lygon St, Carlton) (Cost covered by sponsorship)

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Session	ABNMS-09 DAY 2 - Friday 27 th November
	Methodological Issues
9.00 – 9.25	Sensitivity to uncertainty in Bayes nets Mark Burgman, B. A. Wintle, C. A. Thompson, A. Moilanen, M. C. Runge, Yakov Ben-Haim (ACERA, University of Melbourne)
9.00 – 9.25	KEBN-DN: A Methodology for Knowledge Engineering Bayesian Decision Networks Tali Boneh, Ann Nicholson (Bureau of Meteorology; Faculty of IT, Monash University)
9.50 – 10.15	Graphical and numerical methods for insights into BNs Felix Andrews (ANU)
10.15 – 10.30	<i>Tea Break</i> (School of Botany, room G26)
	Land-use Applications
10.30 – 11.55	Maximising Gross Margins Lowers N Exports from cropland in South-Eastern Australia David Nash, Penny Riffkin, Robert Harris, Alan Blackburn, Cam Nicholson, Mark McDonald (Dept. of Primary Industries, Vic)
11.55– 12.20	Spatial Parameterisation and uncertainty analysis of Bayesian crop-economic model Chalermpol Samranpong, Carmel Pollino (iCAM, ANU)
12.20 – 12.45	Using Bayesian Networks to improve understanding of survey data; A case study of adoption of conservation practices by landholders Jenifer Ticehurst, Allan Curtis, Wendy Merritt (iCAM, ANU; Institute for Land, Water and Society, Charles Sturt University)
12.45 – 13.30	<i>Lunch Break</i> (School of Botany, room G26)
	Applications (General)
13.30 – 13.55	Application of Bayesian Networks for Fog Forecasting for Aviation in Australia R Potts, T Boneh, M Manickam, Y Miao, P Newham, G Weymouth (Centre for Australian Weather and Climate Research, Bureau of Meteorology)
13.55 – 14.20	A Bayesian Network for Thunderstorm Weather Forecasting John Bally, Tali Boneh (Centre for Australian Weather and Climate Research, Bureau of Meteorology)
14.20 – 14.45	Bayesian Networks, operational risk and organisational learning in structured finance transaction management Andrew Sanford, Imad Moosa (Department of Accounting and Finance, Faculty of Business and Economics, Monash University)
14.45 – 15.10	Keeping track of pieces in Invisible Chess David Albrecht, Ariel Bud (Faculty of IT, Monash University)
15.10 – 15.35	A Bayesian Poker Player Kevin B Korb, Ann E Nicholson, et al. (Faculty of IT, Monash University)
15.35 – 16.00	Concluding discussions