

8th Bayesian Network Modelling Workshop
14th July, 2011: UAI-2011 Barcelona, Spain

9.00-9.05	Welcome: Ann Nicholson (Workshop Chair)
9.05-11.00	<p>Session 1: Modeling dynamic systems (Session moderator: Charles Twardy)</p> <ul style="list-style-type: none"> • Modeling Dynamic Systems with Memory: What Is the Right Time-Order? <i>Anna Lupinska-Dubicka and Marek J. Druzdzal</i> • Constructing a Dynamic Bayes Net Model of Academic Advising. <i>Joshua T. Guerin and Judy Goldsmith</i> • Constructing Bayesian Networks for Linear Dynamic Systems. <i>Sander Evers and Peter J.F. Lucas</i> • Anomaly Detection in Vessel Tracks using Bayesian networks. <i>Steven Mascaro, Kevin B. Korb and Ann E. Nicholson</i> • Real-time event recognition from video via a "bag-of-activities". <i>Rolf Baxter, Neil M. Robertson and David Lane</i> <p>General discussion</p>
11.00-11.30	Break
11.30-13.30	<p>Session 2: Methodologies /Tools (Session moderator: John Mark Agosta)</p> <ul style="list-style-type: none"> • Does Query-Based Diagnostics Work? <i>Parot Ratnapinda and Marek J. Druzdzal</i> • Context-dependent Incremental Intention Recognition through Bayesian Network Model Construction. <i>The Anh Han and Luís Moniz Pereira</i> • Ontology-based generation of Object Oriented Bayesian Networks. <i>Mouna Ben Ishak, Philippe Leray and Nahla Ben Amor</i> • ABC-BN: A tool for building, maintaining and using Bayesian networks in an environmental management application. <i>Ann E. Nicholson, Owen Woodberry, Steven Mascaro, Alicia Lucas, Adrian Moorrees and Kevin B. Korb</i> • A Web-based Tool for Expert Elicitation in Distributed Teams. <i>Carlo Spaccasassi and Lea Deleris</i> <p>General Discussion</p>
13.30-15.00	Lunch (not provided)
15.00-15.50	<p>Session 3: Applications (Session moderator: Julia Flores)</p> <ul style="list-style-type: none"> • Building a Real-Time System for High-Level Perception. <i>Denver Dash</i> • A decision support-system for the mediastinal staging of non-small cell lung cancer. <i>Manuel Luque, Francisco Javier Díez and Carlos Disdier</i> <p>General discussion</p>
15.50-16.40	<p>Session 4: Poster/Demo session (Session moderator: Ann Nicholson)</p> <p>Poster spotlight (5 minutes each)</p> <ul style="list-style-type: none"> • Using Tree Augmented Naive Bayesian Classifiers to Improve Engine Fault Models. <i>Daniel L.C. Mack, Gautam Biswas, Xenofon Koutsoukos and Dinkar Mylaraswamy</i> • Exploratory network analysis of large social science questionnaires. <i>Robert J. B. Goudie, Sach Mukherjee and Frances Griffiths</i> • Using Bayesian Belief Networks for Modeling of Communication Service Provider Businesses. <i>Pekka Kekolahti</i> • Requirements for Developing Strategic Decision Facilitation and Event Prediction Tools. <i>Oscar Kipersztok</i> <p>Demo spotlight (5 minutes each)</p> <ul style="list-style-type: none"> • MEBN modeling in UnBBayes. <i>Charles Twardy</i>
16.40-17.30	<p>Panel: The challenges for developing and deploying applications in the real world John Mark Agosta, Brent Boerlage, Ann Nicholson, Agnieszka Onisko</p>
17.30	Informal mini-reception for UAI 2011 (free for UAI and BMAW-only registrants)

