

Table of Contents

Preface	i
Program Committee	ii
Table of Contents	iii
Real-time event recognition from video via a “bag-of-activities”	1
<i>Rolf Baxter, Neil M. Robertson and David Lane</i>	
Ontology-based generation of Object Oriented Bayesian Networks	9
<i>Mouna Ben Ishak, Philippe Leray and Nahla Ben Amor</i>	
Building a Real-Time System for High-Level Perception	18
<i>Denver Dash and Long Quoc Tran</i>	
Constructing Bayesian Networks for Linear Dynamic Systems	26
<i>Sander Evers and Peter J.F. Lucas</i>	
Exploratory network analysis of large social science questionnaires	34
<i>Robert J. B. Goudie, Sach Mukherjee and Frances Griffiths</i>	
Constructing a Dynamic Bayes Net Model of Academic Advising	43
<i>Joshua T. Guerin and Judy Goldsmith</i>	
Context-dependent Incremental Intention Recognition through Bayesian Network Model Construction	50
<i>The Anh Han and Luís Moniz Pereira</i>	
Using Bayesian Belief Networks for Modeling of Communication Service Provider Businesses	59
<i>Pekka Kekolahti</i>	
Requirements for Developing Strategic Decision Facilitation and Event Prediction Tools	68
<i>Oscar Kipersztok</i>	
Modeling Dynamic Systems with Memory: What Is the Right Time-Order?	75
<i>Anna Lupińska-Dubicka and Marek J. Druzdzal</i>	
A decision support-system for the mediastinal staging of non-small cell lung cancer	83
<i>Manuel Luque, Francisco Javier Díez and Carlos Disdier</i>	
Using Tree Augmented Naive Bayesian Classifiers to Improve Engine Fault Models	91
<i>Daniel L. Mack, Gautam Biswas, Xenofon D. Koutsoukos and Dinkar Mylaraswamy</i>	
Anomaly Detection in Vessel Tracks using Bayesian networks	99
<i>Steven Mascaro, Kevin B. Korb and Ann E. Nicholson</i>	
ABC-BN: A tool for building, maintaining and using Bayesian networks in an environmental management application	108
<i>Ann E. Nicholson, Owen Woodberry, Steven Mascaro, Alicia Lucas, Adrian Moorrees and Kevin B. Korb</i>	
Does Query-Based Diagnostics Work?	117
<i>Parot Ratnapinda and Marek J. Druzdzal</i>	
A Web-based Tool for Expert Elicitation in Distributed Teams	125
<i>Carlo Spaccasassi and Lea Deleris</i>	