Preface

The Bayesian Modeling Applications Workshop (BMAW) has been held in conjunction with the annual Conference on Uncertainty in Artificial Intelligence eleven times since 2003. The workshop brings together researchers and practitioners who apply the technologies pioneered by the UAI community to address important real-world problems in a diverse set of fields. The workshop fosters discussion on the challenges of building applications, such as understanding and addressing stakeholder needs; integrating Bayesian models and tools into larger applications; validating models; interacting with users; construction of models through knowledge elicitation and learning; agile model and system development strategies; and deploying and managing web-based Bayesian applications.

A call for papers encouraged submissions in a variety of domains, but not limited to any specific vertical market or discipline. Submissions were expected to foster discussion of critical issues within the community of practice. There were 14 submissions. Each submission was reviewed by at least two program committee members. Eleven papers were accepted and presented at the workshop. Nine of these appear full length in these proceedings. Two appear as extended abstracts to facilitate future publication.

The Eleventh Annual BMAW was held on July 27, 2014, in Quebec City, Canada. XX people attended the workshop, which consisted of eleven paper presentations, questions, and the accompanying discussions. Papers and presentations addressed Bayesian algorithm combinations, comparisons, and variations, with applications from the financial, geospatial, business, energy, education, cyber, and medical domains.

We are grateful to the paper authors and presenters for their contributions, and to the program committee members for their careful efforts reviewing and commenting on submissions. We also appreciate the organizational support provided by the UAI conference organizers, without whom the workshop would not be possible.

Kathy Laskey, Russell Almond, and Jim Jones
Workshop Co-Chairs
July 2014

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