



## Bayesian Networks and Causal Reasoning

Guest Editors:

**Dr. Kevin B Korb**

School of Historical and  
Philosophical Studies, Faculty of  
Arts, University of Melbourne,  
Parkville, VC 3010, Australia

**Dr. Steven Mascaro**

Bayesian Intelligence Pty Ltd, 21  
Torry Hill Road, Upwey, VC 3158,  
Australia

**Erik P. Nyberg**

Department of Data Science & AI,  
Monash University, Clayton, VC  
3800, Australia

Deadline for manuscript  
submissions:

**closed (31 January 2024)**

### Message from the Guest Editors

We invite you to submit your research on using Bayesian Networks to understand and explain causal systems, and to inform decision making under conditions of uncertainty. The algorithms of interest include those embedded within systems using Bayesian Networks, those generating Bayesian Networks (e.g., causal discovery) and those applying Bayesian Networks in complex decision making and analysis, and include informal algorithms describing how humans may use Bayesian Networks for these purposes. New methods, analyses, and experimental results across this spectrum are most welcome. Problems addressed may range from fundamental or theoretical (e.g., What are causes and how should they be represented in a causal model?), to psychological (e.g., How can Bayesian Networks reduce susceptibility to causal fallacies?), to applied (e.g., How can we use causal Bayesian Networks to improve disease surveillance?).





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## Editor-in-Chief

### Prof. Dr. Frank Werner

Faculty of Mathematics, Otto-  
von-Guericke-University  
Magdeburg, P.O. Box 4120, D-  
39016 Magdeburg, Germany

## Message from the Editor-in-Chief

*Algorithms* are the core of computational mathematics and computer science. The whole area has been considered from different perspectives, which has led to the development of several sub-communities. The aim is to bring together researchers and practitioners from different areas of computational mathematics and computer science and to offer a platform for interdisciplinary applications in different areas of science and technology. In this way, *Algorithms* may become a forum for the exchange of new stimulating ideas between the different sub-communities working in the area of algorithms and their applications and the presentation of high-quality novel algorithmic approaches.

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*Algorithms* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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