



an Open Access Journal by MDPI

Probabilistic Causal Modelling in Intelligent Systems

Guest Editors:

Dr. Kevin B Korb

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

Prof. Ann E Nicholson

Clayton School of Information
Technology, Monash University,
Clayton, Victoria 3800, Australia

Erik P. Nyberg

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

Deadline for manuscript
submissions:

closed (1 August 2018)

Message from the Guest Editors

Dear Colleagues,

Probabilistic Causality—the idea that causality is stochastic and that probabilistic dependencies reveal their causal foundations—has come a long way since its origins with the work of Hans Reichenbach in the 1950s. After losing its reductionist pretensions in the 1970s and 1980s in debates within Philosophy of Science, it crashed headlong into the Bayesian network technology emerging from Statistics and Artificial Intelligence (AI). Out of that collision, in the late 1980s, grew some remarkable innovations, including the Causal Discovery programs of Clark Glymour and collaborators in Philosophy and Judea Pearl and others in AI. The technology and new ideas have continued to flow, and at a great pace. This Special Issue on “Probabilistic Causal Modelling” will provide a view of where we have come from, a snapshot of where we are, and a probabilistic prediction of where we are headed.

Dr. Kevin B Korb

Prof. Ann E Nicholson

Dr. Erik Nyberg

Guest Editors



mdpi.com/si/10031

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Willy Susilo

School of Computer Science and
Software Engineering, University
of Wollongong, Northfields
Avenue, Wollongong, NSW 2522,
Australia

Message from the Editor-in-Chief

The concept of *Information* is to disseminate scientific results achieved via experiments and theoretical results in depth. It is very important to enable researchers and practitioners to learn new technology and findings that enable development in the applied field.

Information is an online open access journal of information science and technology, data, knowledge and communication. It publishes reviews, regular research papers and short communications. We invite high quality work, and our review and publication processing is very efficient.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [ESCI \(Web of Science\)](#), [Ei Compindex](#), [dblp](#), and [other databases](#).

Journal Rank: [CiteScore - Q2](#) (*Information Systems*)

Contact Us

Information Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/information
information@mdpi.com
[X@InformationMDPI](#)