Special Issue

Probabilistic Causal Modelling in Intelligent Systems

Message from the Guest Editors

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.

Guest Editors

Dr. Kevin B Korb

Prof. Ann E Nicholson

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Deadline for manuscript submissions

closed (1 August 2018)

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