

## Call for Papers

### The First IEEE ICDM Workshop on Causal Discovery (CD 2013)

December 7, 2013, Dallas, Texas, USA

Workshop website: <http://nugget.unisa.edu.au/CD2013/>

Held in conjunction with the IEEE International Conference on Data Mining, ICDM 2013

As a basic tool for explanation, prediction and decision making, causal inference has been utilized in almost all disciplines. Traditionally, causal relationships are identified based on controlled experiments. However, conducting such experiments is impossible in many cases due to cost or ethical concerns. Therefore there has been an increasing interest in discovering causal relationships from observational data only. Recently with the rapid accumulation of huge volume of data, the field of causal discovery is seeing exciting opportunities, as well as greater challenges.

This workshop is aimed at bringing together researchers and practitioners with the interest in causal discovery, from data mining and other disciplines, to communicate their new ideas, algorithms, and novel applications of causal discovery methods. The workshop especially welcomes contributions that link data mining research with causal discovery, and solutions to causal discovery from large scale data sets.

#### Topics of Interest

The workshop invites submissions on all topics of causal discovery, including but not limited to:

- Causal structure learning
- Local casual structure discovery
- Causal discovery from high-dimensional data
- Efficient causal discovery methods
- False discovery control in causal discovery
- Integrating experimental (interventional) and observational data for causal discovery
- Real-world applications of causal discovery
- Applications of data mining approaches to causal discovery
- Assessment of causal discovery methods

#### Key Dates

~~August 3, 2013~~ **August 17, 2013**: Paper submission deadline

September 24, 2013: Notification of acceptance/rejection

October 20, 2013: Camera-ready version due for accepted papers

December 7, 2013: Workshop date

#### Paper Submission and Publications

Papers submitted to this workshop must not be under review or accepted for publication elsewhere. All submitted papers will be reviewed and selected by the program committee on the basis of originality, technical quality, relevance to the workshop and presentation quality. Accepted papers will be included in the ICDM 2013 Workshop Proceedings published by IEEE Computer Society Press.

Papers must be limited to a maximum of **10** pages, and follow the IEEE ICDM format requirement. For paper formatting instructions, please visit: <http://www.computer.org/portal/web/cscps/formatting>

All papers should be submitted via the ICDM 2013 Workshop submission system. Detailed instructions and submission link are available at the website of CD 2013: <http://nugget.unisa.edu.au/CD2013/submission.html>

#### Workshop Organizers

Jiuyong Li, University of South Australia, Australia

Kun Zhang, Max Planck Institute for Intelligent Systems, Germany

Jian Pei, Simon Fraser University, Canada

Lin Liu, University of South Australia, Australia

#### Further Information

Please visit workshop website: <http://nugget.unisa.edu.au/CD2013/>