

## Preface: The 2022 ACM SIGKDD Workshop on Causal Discovery

**Thuc Duy Le**

*UniSA STEM*

*University of South Australia*

*Mawson Lakes, SA 5095, Australia*

THUC.LE@UNISA.EDU.AU

**Lin Liu**

*UniSA STEM*

*University of South Australia*

*Mawson Lakes, SA 5095, Australia*

LIN.LIU@UNISA.EDU.AU

**Emre Kıcıman**

*Microsoft Research*

*Redmond, WA, USA*

EMREK@MICROSOFT.COM

**Sofia Triantafyllou**

*Department of Biomedical Informatics*

*University of Pittsburgh*

*Pittsburgh, PA 15213, USA*

SOT16@PITT.EDU

**Huan Liu**

*Department of Computer Science and Engineer*

*Arizona State University*

*AZ, USA*

HUANLIU@ASU.EDU

**Editor:** Thuc Le, Lin Liu, Emre Kıcıman, Sofia Triantafyllou and Huan Liu

This year, the causal discovery workshop is held in conjunction with the 2022 International Conference on Knowledge Discovery and Data Mining (KDD 2022), 14-18 August, 2022, in Washington DC. The workshop has received 8 high-quality submissions. After a careful review process with each paper being reviewed by 4-5 experts, three papers have been selected for publishing in the *Proceedings of Machine Learning Research*, Volume 185, 2022 and presenting at CD 2022. The workshop features two keynote speeches by Professor Razieh Nabi from Emory University and Professor Elena Zheleva from University of Illinois at Chicago.

We would like to thank all authors who have submitted their papers to CD 2022 and the PC members for their timely and high-quality reviews. It would not be possible for the workshop to succeed without your involvement. We are grateful to KDD 2022 for their support, especially to the workshop chairs for their help and cooperation. We also thank the Series Editors at *Proceedings of Machine Learning Research*, Professor Neil Lawrence the support in publishing the workshop proceedings.

Finally, we would like to thank you, the participants of the workshop and the readers of the proceedings. We hope you enjoy the workshop and the papers.

### **Program Committee**

Kui Yu, *Hefei University of Technology* Mandar Chaudhary *North Carolina State University*

Ha Tran, *University of South Australia* Samantha Kleinberg, *Stevens Institute of Technology*

Takashi Washio, *The Institute of Scientific and Industrial Research, Osaka University, Japan*

Tom Claassen *Radboud University*

Tsai-Ching Lu, *HRL Laboratories, USA*

Mingming Gong, *The University of Melbourne, Australia*

Wolfgang Mayer, *University of South Australia, Australia*

Ricardo Silva, *University College London*

Sisi Ma *University of Minnesota*

Shohei Shimizu, *The Institute of Scientific and Industrial Research (ISIR), Osaka University, Japan*

Weijia Zhang, *Southeast University*

Debo Cheng, *University of South Australia*

Daniel Malinsky, *Johns Hopkins University*

Andres Cifuentes, *University of South Australia*