

Special Issue

Causal and Structured Representations for Trustworthy and Interpretable AI

Message from the Guest Editor

This Special Issue aims to bring together recent advances in causal modeling, structured representations and their integration with modern machine-learning and deep-learning systems. By combining theoretical developments with practical applications, the Special Issue seeks to present a coherent and focused collection of contributions that advance trustworthy and interpretable AI, while remaining sufficiently broad to attract a diverse set of high-quality submissions. In this Special Issue, original research articles and review papers are welcome.

Research areas may include, but are not limited to, the following: representation learning; causal discovery and causal inference; structured, relational and symbolic models; interpretable and explainable AI; reasoning; robustness, generalization, fairness and accountability in AI systems; human-centered and human-in-the-loop AI; applications in healthcare, scientific discovery, AI-empowered education, robotics, autonomous systems and other safety-critical or socially impactful domains. We look forward to receiving your contributions.

Guest Editor

Dr. Guangyi Chen
Philosophy Department, Carnegie Mellon University, Pittsburgh, PA,
USA

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Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

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Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

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