Artificial Intelligence in Dynamics of Human Cooperation

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Deadline for manuscript submissions:
closed (31 December 2021)

Message from the Guest Editors

This Special Issue aims to provide a forum for the exploration of the potential interplay between AI and the dynamics of human collective behavior such as cooperation, coordination, trust and fairness; in particular, the different ways that the advancement of AI might alter the dynamics of human collective behavior, and vice-versa. Both theoretical modeling and behavioral experiment studies are welcome.

Some potential topics include (but are not limited to):

- Cooperation in hybrid societies;
- Cooperation with autonomous agents;
- AI-based cooperation engineering;
- Trust and cooperation in human–machine interactions;
- Cognitive mechanisms and cooperation;
- Emergence of the cognitive mechanisms for cooperation;
- Reputation and information processing;
- Cooperation and competition in AI development;
- Incentives design for pro-sociality in human-agent societies;
- AI and social cohesion.

Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

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