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Human Factors in Human–Robot Interaction

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closed (31 December 2023)

Message from the Guest Editors

Dear Colleagues,

Studies which focus on computational modeling and socially interactive robots in different methodological roles to explore questions about social development with robots including, but not limited to, psychology, cognitive science, HCI, human factors, artificial intelligence, and robotics, are welcome to this Special Issue.

Potential topics include but are not limited to the following:

- User studies of HRI; Experiments on HRI collaboration; Human comfort and trust in HRI;
- Decision making and emotion recognition in HRI; Mixed initiative interaction;
- Psychology modeling and application in HRI; Multi-modal interaction; Robot autonomy;
- Cognitive control for heterogenous teaming; HRI group dynamics; HRI software architectures;
- Task allocation and coordination; Distributed cognition (or distributed cognitive systems);
- Self-learning and healing of social robots; Robot intermediaries; Lifelike/humanoid robots;
- Remote robots; HRI communication; Robot–team learning; Assistive robotics;
- Risks such as privacy or safety; Awareness and monitoring of humans; Implicit dialogue.



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Guest Editors

Special Issue



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Editor-in-Chief

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Message from the Editor-in-Chief

It is my great pleasure to welcome you to our open access journal, *Robotics*, which is dedicated to both the foundations of artificial intelligence, bio-mechanics and mechatronics, and the real-world applications of robotic perception, cognition and actions. The 21st century is the robotics century and intelligent robots will change our lifestyle forever. Let us work together toward the realization of intelligent robots step by step.

It is great fun to create intelligent robots and imagine their practical applications. *Robotics* is now ready to serve you in the long journey towards such a goal.

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