Special Issue

Information Theory in Motion Planning and Control

Message from the Guest Editors

This Special Issue calls for emerging applications of information theory broadly in the field of robotics and control. Both application-driven research and cultivating and promoting non-conventional uses of information theory in robotics and control, as well as theory-oriented research papers in these areas are solicited. Topics relevant to this Special Issue include (but are not limited to):

- Intelligent perception;
- Information theory in reinforcement learning;
- Multi-agent and networked control systems;
- Information-theoretic state representations;
- Statistical mechanics in control and decision making;
- Joint communication, sensing, and control;
- Resource-constrained control, planning, and perception;
- Entropy and feedback systems.

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Deadline for manuscript submissions

closed (30 June 2021)

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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.

Entropy is an online open access journal providing an advanced forum for the development and/or application of entropic and information-theoretic studies in a wide variety of applications. *Entropy* is inviting innovative and insightful contributions. Please consider *Entropy* as an exceptional home for your manuscript.

Editor-in-Chief

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