Special Issue

Autonomous Intelligent Systems and Their Safety

Message from the Guest Editors

We invite you to contribute to a Special Issue of the journal *Applied Sciences*, entitled "**Autonomous Intelligent Systems and Their Safety**", which aims to present recent developments in the field of autonomous systems, with a focus on design and safety-related issues. Autonomous Intelligent Systems act independently of direct human supervision, e.g., self-driving cars, UAVs, smart manufacturing robots, care robots for the elderly and virtual agents for training or support. They usually embed AI software components. Such systems need to be able to make safe, rational and human value-compatible decisions in unforeseen circumstances. Their decision making should be understandable by human users and collaborators to ensure the necessary trust on behalf of the human users. There are multiple challenges in this area, related to their design, that require consistent modeling and simulation encompassing systems engineering, their safety, human-centered AI, ethics and law, multi-physics and 3D interactions, or knowledge representation and reasoning, to name a few.

Guest Editors

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Deadline for manuscript submissions

closed (31 March 2022)

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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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