

Special Issue

Future AI and Robotics: Visual- and Spatial-Based Perception Enhancement and Reasoning

Message from the Guest Editors

Over the past several decades, artificial intelligence (AI) has been tremendously boosted by new algorithm designs, exponentially increased computing power, and an immense volume of calculation materials (i.e., data). Nevertheless, appropriate feature fusion and high-level and abstract forms of knowledge representation are required to help AI to achieve better results, as the primary goal of AI research is to enable machines to perform complex tasks that would typically require human intelligence. In this Special Issue, we seek groundbreaking research and case studies that demonstrate future applications and advances in artificial intelligence and robotics, especially visual- and spatial-based perception enhancement and reasoning. Relevant topics include but are not limited to the following:

- Artificial intelligence;
- Robotics;
- AI and machine learning in image processing;
- Visual question answering (VQA) and visual reasoning;
- AI for geospatial data acquisition, analysis, planning, and prediction

Guest Editors

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Deadline for manuscript submissions

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About the Journal

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 guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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