

Special Issue

Development and Design of Autonomous Robot

Message from the Guest Editors

This Special Issue focuses on the advancements and innovations in the development and design of autonomous robots. The topics covered explore the latest methodologies, challenges, and solutions in robotic autonomy. It includes hardware architecture, sensor integration, real-time decision-making, machine learning, and deep learning algorithms. Key discussions highlight improvements in robot mobility, perception, and interaction within complex environments. Moreover, emphasis is placed on real-world applications across sectors such as healthcare, hospitality, manufacturing, retails, and logistics, showcasing how autonomous robots are transforming these fields. By presenting cutting-edge research and practical insights, this Issue aims to provide valuable contributions to both academic and industrial communities working on autonomous systems.

Guest Editors

Dr. Tayab Din Memon

Dr. Kamran Shaukat

Dr. Sufyan Ali Memon

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ai@mdpi.com

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Editor-in-Chief

Prof. Dr. Kenji Suzuki

Biomedical Artificial Intelligence Research Unit (BMAI), Institute of Integrated Research, Institute of Science Tokyo, Yokohama 226-8501, Japan

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