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## **Emerging Approaches to Intelligent and Autonomous Systems**

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# **Message from the Guest Editors**

Dear Colleagues,

The impact of intelligent and autonomous systems (IAS) on modern society has continued to increasing over the last few years.

Most of these systems, in order to be called autonomous, operate in a dynamic environment and interact with other static and dynamic elements, exhibiting advanced behaviors that satisfy domain-specific requirements while serving a versatile range of functions.

A major challenge that has emerged of late is the seamless integration of service robots or, more broadly, autonomous/intelligent agents, into everyday environments. This is compounded by the need to make them easy to use and configure by non-roboticists, or people who lack high degrees of technical specialization, such as citizen developers.

This Special Issue aims to gather relevant contributions, such as SLAM, localization, path planning, navigation, and exploration/coverage in the new paradigm of intelligent systems, the proposal of solutions towards tackling the above mentioned challenges, modern approaches in the field of IAS (including smart environments, robots, and autonomous cars), as well as novel applications in the relevant fields











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## **Message from the Editor-in-Chief**

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There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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