

## Special Issue

# Digital Twins, Sensing Technologies and Automation in Industry 4.0

### Message from the Guest Editors

This Special Issue aims to provide a comprehensive overview of the current practices of digital twin, digital transformation, sensing technologies, Internet of Things, engineering, and automation. In addition, the SI will include papers suggesting the future agenda based on an intensive literature review. This SI aims to collect all the practices that may help practitioners to improve their productivity, safety, or quality. Potential topics include but are not limited to the application of digital and sensing technologies, robotics, and automation to address the following objectives:

- Automation in construction, mining, manufacturing, and smart cities;
- Sensors and Internet of Things;
- Improving Smart Cities and intelligence infrastructure;
- Facilitating the implementation of Sustainable Development Goals;
- Improving quality by detecting damages, cracks, and defects;
- Automating the modular and off-site construction;
- Implementing Industry 4.0 in different sectors;
- Improving the resilience of supply chain management;
- Improving safety and manage risks and hazards;
- Monitoring disaster management.

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### Guest Editors

Dr. Sara Shirowzhan

Dr. Samad Sepasgozar

Dr. Rafiq Ahmad

Dr. Limao Zhang

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### Deadline for manuscript submissions

closed (30 June 2022)



## Automation

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## About the Journal

### Message from the Editor-in-Chief

*Automation* (ISSN 2673-4052) is an international peer-reviewed open access journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of automation and control system. Both experimental and theoretical papers are published, including all aspects of manufacturing systems, energy management systems, aerospace control systems, micro- and nano-systems, learning systems, intelligent control systems and so on. *Automation* organizes Special Issues devoted to specific automation and controlling areas and applications each year.

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### Editor-in-Chief

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