

## Special Issue

# Smart Manufacturing and Industry 4.0

### Message from the Guest Editors

The idea of the smart factory and its cyberphysical systems, intelligent support systems for manufacturing decision making, intelligent inspection to monitor the production health, in situ data collection and fusion of sensor information for manufacturing processes, collaborative robots, self-configuration and self-diagnosis Internet of Things for manufacturing shop floors, intelligent prescriptive and preventive maintenance, simulation-assisted process control and digital twins, big data analytics for manufacturing systems and processes, on-demand and customized processes utilizing the hybrid of additive and subtractive manufacturing, autonomy and autonomous vehicles, smart quality assurance and intelligent inspection, data-driven and model-based prognostics, and zero defect production are among the most important topics that need further research attention. This call aims at developing a Special Issue of the Journal of Applied Sciences dedicated to publishing new initiatives, applications, and research advances on smart manufacturing processes and systems addressing the needs of the fourth industrial revolution.

### Guest Editors

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### Deadline for manuscript submissions

closed (15 April 2022)



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*Applied Sciences*  
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[mdpi.com/journal/](https://mdpi.com/journal/)

[applsci](https://doi.org/10.3390/applsci)





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### 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.

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### Editor-in-Chief

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