

## Special Issue

# Fault Detection and Process Diagnostics by Using Big Data Analytics in Industrial Applications

### Message from the Guest Editors

This Special Issue on “Fault Detection and Process Diagnostics by Using Big Data Analytics in Industrial Applications” aims to curate novel advances in the development and application of big data analytics to address long-standing challenges in fault detection and process diagnostics in state-of-the-art industrial processes. Related topics include but are not limited to:

- Machine learning techniques for fault detection and process diagnostics;
- Deep learning techniques for fault detection and process diagnostics;
- Fault detection and process diagnostics using image processing techniques;
- Advanced process monitoring and control schemes developed within the framework of big data analytics;
- Strategy planning and deployment of fault detection and process diagnostics;
- Intelligent alarm system and fault analysis;
- Fault detection and process diagnostics using dimension reduction and data visualization.

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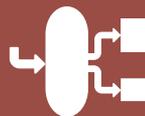
### Guest Editors

Prof. Dr. Shu-Kai S. Fan  
Dr. Chia-Yu Hsu  
Dr. You-Jin Park

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### Deadline for manuscript submissions

closed (20 February 2021)



## Processes

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*Processes*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[processes@mdpi.com](mailto:processes@mdpi.com)

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### Message from the Editor-in-Chief

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### Editor-in-Chief

Prof. Dr. Giancarlo Cravotto  
Department of Drug Science and Technology, University of Turin, Via P.  
Giuria 9, 10125 Turin, Italy

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