

## Special Issue

# Process System Engineering 4.0

### Message from the Guest Editors

Process System Engineering (PSE) is a consolidated field that provides the backbone for large-scale industrial production. The present social dynamics require the industry to quickly respond to external changes with the flexibility to reconfigure itself while constantly optimizing and controlling its processes. In this scenario, several new technologies are emerging to address these issues. This is promoting the 4th Industrial Revolution, so-called Industry 4.0. The synergy between these new technologies and PSE fosters the emergence of a new field, Process System Engineering 4.0. In this context, this Special Issue aims to promote and discuss the new developments in PSE. Its goal is to address the most recent advancements in PSE 4.0 and future perspectives in this field. Hence, this Special Issue will promote the debate surrounding the multidisciplinary intersection between PSE 4.0 and topics such as: scientific machine learning; advanced control systems; optimization theory; high-performance computing; distributed systems; digital twins; cyber-physical systems.

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### Guest Editors

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Prof. Dr. Alexandre F. P. Ferreira

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### Deadline for manuscript submissions

closed (21 March 2023)



## Processes

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