



Modeling, Simulation and Control of Chemical Processes

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Message from the Guest Editors

This Special Issue on “Modeling, Simulation and Control of Chemical Processes” seeks high quality works focusing on the latest novel advances regarding the development, implementation, and use of mathematical procedures for modeling, monitoring, control, and optimization of chemical plants. Topics include, but are not limited to, the following:

- First-principles modeling of chemical processes and use in real-time applications;
- Development and implementation of data-driven procedures for monitoring, control, and optimization of chemical processes;
- Development and implementation of advanced model-based and data-driven control procedures;
- Use of model-based and data-driven procedures for identification and diagnosis of process faults;
- Real-time optimization of chemical processes;
- Industrial experiences related to development, implementation, and use of model-based and data-driven procedures for the improvement of the process operation.





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Message from the Editor-in-Chief

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