Special Issue

Multivariable Control and Object-Oriented Modeling

Message from the Guest Editors

Most natural or artificial processes are complex systems that involve different domains of nature and multiple interrelated variables. This makes their modeling and control a difficult task. Object-oriented modeling and simulation is one of the main tools to analyze and assess the behavior of such complex systems. This Special Issue on "Multivariable Control and Object-Oriented Modeling" focuses on new developments and applications of object-oriented modeling of multivariable complex systems and multivariable control methodologies. Topics include but are not limited to:

- Developments of object-oriented modeling;
- Applications of object-oriented modeling;
- Development of multivariable control methodologies;
- Analysis of interaction of multivariable processes;
- Application of multivariable control strategies, such as multivariable PID control, decoupling control, multivariable MPC, decentralized control, multivariable robust control, and so on.

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