Advances in Process Optimization and Control

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Message from the Guest Editors

Dear Colleagues,

Optimization and process control methods each have their own distinguishing characteristics. They are associated with the instability of external conditions (composition of raw materials, performance requirements, changing dynamic properties of objects, etc.). Therefore, solutions must be "robust". For many processes (heat transfer, separation, chemical reactors), thermodynamic irreversibility plays an important role when the optimal solution minimizes the production of entropy. The linearized dynamics is the same in most cases, and is described by aperiodic links and pure delay, which makes recommendations for choosing stabilizing controllers quite general.

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Special Issue

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Message from the Editor-in-Chief

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