Advances in Process Optimization and Control

Guest Editors:

Prof. Dr. Anatoly Tsirlin
Ailamazyan Program Systems Institute of Russian Academy of Sciences, 152020 Pereslavl Zalessky, Russia

Prof. Dr. Lingen Chen
Institute of Thermal Science and Power Engineering, Wuhan Institute of Technology, Wuhan 430205, China

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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.

Prof. Dr. Anatoly Tsirlin
Prof. Dr. Lingen Chen
Guest Editors

Special Issue

Editor-in-Chief

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

Message from the Editor-in-Chief

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