Optimization for Control, Observation and Safety

Message from the Guest Editors

In this SI call, the aim is to offer an overview of the state-of-the-art of the most advanced (online and offline) optimization techniques and their applications in control engineering. Potential topics include (but are not limited to):

- Optimal control of linear and nonlinear systems;
- Optimal control of complex systems;
- Predictive control;
- Optimal observer design;
- Numerical optimization;
- Convex optimization through linear matrix inequalities;
- Evolutionary optimization;
- Constrained optimization;
- Takagi–Sugeno systems;
- LPV systems;
- Fault detection and isolation;
- Fault tolerant control.
Message from the Editor-in-Chief

Processes (ISSN 2227-9717) provides an advanced forum for process/systems related research in chemistry, biology, materials and allied engineering fields. Our goals are to publish high impact articles of broad interest to the process systems community and to serve as a forum for major developments in process/systems research. The journal publishes regular research papers, communications, letters, short notes, and reviews. There are no restrictions on the length of published articles or on the use of color illustrations. All submitted manuscripts undergo rigorous peer review prior to publication.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High visibility: Indexed in the Science Citation Index Expanded (Web of Science) and Inspec (IET). Covered in Scopus from Vol. 5 (2017).

CiteScore (2018 Scopus data): 2.05.