

Special Issue

Advances in Process Safety and Protection of Cyber-Physical Systems (CPS)

Message from the Guest Editors

Process safety has been a top priority in process systems engineering for decades. With the increase of process complexity and the involvement of the Internet in process industries, unintentional man-made disasters are happening more often and causing serious consequences. Fortunately, many innovative technologies are being deployed in real process industries, including mathematical-model-based approaches, machine learning algorithms, data driven approaches, etc. With the development of industrial Internet technologies, more and more traditional process industries are directly or indirectly connected with external networks, making them cyber-physical systems (CPSs)—that is, the “cyber” aspect is becoming a part of the industrial processes. Benefiting the advantages from the involvement of the Internet in CPSs, serious safety risks could be also created alongside the benefits. This Special Issue on “Advances in Process Safety and Protection of Cyber-Physical Systems” seeks high-quality works focusing on the latest developments in process safety and technologies of cyber-physical systems protection for general industrial processes.

Guest Editors

Prof. Dr. Shuang-Hua Yang

Prof. Dr. Yi Cao

Dr. Yulong Ding

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
processes@mdpi.com

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Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

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

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