

Special Issue

Cyber-Physical Attacks and Their Impacts on the Safety of Industrial Control Systems

Message from the Guest Editors

With the growing integration of cyber-physical systems (CPS) into industrial control systems (ICS)—for instance, in sectors such as chemical process industries, oil and gas, wind energy, and nuclear power—the convergence of safety and security has become an urgent concern. Cyber-physical threats pose significant risks, as they can trigger hazardous events comparable to those caused by critical failures in conventional systems. The interactions between cyber threats and hazards of conventional physical systems not only amplifies the vulnerabilities of systems, but also complicates the protection of assets and critical infrastructures, demanding highly innovative solutions and novel approaches. This Special Issue seeks to explore the profound impacts of cyberattacks on the safety and security of ICS. We seek to collect high-quality studies that shed light on ICS' vulnerabilities to cyber-physical attacks, or that examine the effects of these attacks on ICS safety, and which propose strategies, including validated methodologies [...]. More Information: https://www.mdpi.com/journal/safety/special_issues/H7L8O9GS55

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About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

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