## Special Issue

## Human Factors Engineering in Complex Socio-Technical Systems

## Message from the Guest Editor

Human factors engineering (HFE) aims to design usable, safe, productive, and pleasurable products or systems for daily or professional use. It follows human-centered design, drawing from cognitive psychology, design science, systems engineering, computer science, and management. HFE is highly interdisciplinary and applicable to various domains. In complex sociotechnical systems like nuclear power plants, airplanes, and manufacturing facilities. HFE is crucial, requiring comprehensive work domain and task analysis, prioritizing safety. With the integration of advanced technologies, cognitive aspects of user interaction become increasingly important. This Special Issue introduces state-of-the-art research on HFE in complex socio-technical systems, covering topics such as cognitive work analysis, task complexity, humancomputer interaction, human performance modeling, error prevention, system safety, resilience engineering, training systems, human-machine interfaces, and information displays.

## **Guest Editor**

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### Deadline for manuscript submissions

closed (30 April 2025)



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## Editor-in-Chief

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