

Special Issue

Emerging Techniques Towards Safety Assurance and Reliability Design in Electrical Assets

Message from the Guest Editors

In the era of electrification and intelligent systems, a wider array of electrical and electronic assets are being employed across various sectors. Given the advancements in electrical technology and the continuously growing demand for electricity, novel techniques regarding safety and reliability are ongoing research spotlights. Therefore, this Special Issue is dedicated to providing a platform for showcasing the latest studies about safety and reliability for electrical devices and assets, fostering interdisciplinary discussions, and spurring the progress of future industries. In this Special Issue, original research articles and reviews are welcome. Relevant topics include, but are not limited to, the following: Electromagnetic compatibility and interference; Risk assessment and management; Intentional attack and countermeasures; Artificial intelligence for safety and reliability design; Insulation coordination for internal overvoltage issues; Digital twin system for system diagnosis and prognosis and so on. We look forward to receiving your contributions.

Guest Editors

Dr. Huamin Jie
Dr. Yuchen He
Dr. Hanchi Zhang

Deadline for manuscript submissions

closed (15 August 2025)



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

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di
Torino, 10129 Torino, Italy

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