# Special Issue

# Recent Methodologies for Reliability Modeling, Design and Control of Intelligent Mechatronic Systems

## Message from the Guest Editors

The main focus of this Special Issue will be on the new techniques in reliability modeling, reliability analysis, reliability design, fault and failure detection, signal processing, and resilient control of IMS. This Special Issue provides a platform to share the most recent developments in the fields of reliability design and resilient control. Solicited papers must bring new ideas and approaches, clearly indicating the advances made through problem statements and methodologies with applications to modern complex systems. Topics of interest include but are not limited to the following:

- Advanced reliability modeling and identification;
- Robust control and filtering issues in IMS;
- Failure analysis and prediction methods;
- Fault diagnosis and fault tolerant control of IMS;
- Risk analysis and management;
- Architectural framework of reliability design;
- Non-fragile and resilient control design;
- Recent developments on model based and data-driven techniques in IMS;
- Soft computing methods for fault detection and isolation (FDI) of IMS;
- Application studies;

## Guest Editors

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Prof. Dr. Kalyana C. Veluvolu

Prof. Dr. Yang Tang

## Deadline for manuscript submissions

closed (15 August 2021)

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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 guest-edited by leading experts in selected topics of interest.

## Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).

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