

International Journal of Automation and Safety



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International Journal of Automation and Safety (IJAS)

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OBJECTIVES AND SCOPE OF JOURNAL

The International Journal of Automation and Safety IJAS is a comprehensive platform dedicated to advancing knowledge in the fields of automation science and safety science. Our aim is to provide a valuable resource for researchers, professionals, and students interested in the latest developments, theories, and applications in these areas.

This journal covers a wide range of topics related to automation and safety, including but not limited to industrial automation, robotics, artificial intelligence, control systems, risk and dependability assessment, hazard analysis, and safety management. By publishing high-quality research articles, reviews, and case studies, we aim to foster innovation, promote best practices, and contribute to the overall improvement of automation and safety practices. Multidisciplinary research that bridges the gap between automation and safety/reliability is particularly welcome.

Our editorial board comprises experts and scholars from academia, industry, and research institutions, ensuring the publication of cutting-edge and impactful research.

Whether you are an engineer, scientist, or professional working in automation or safety-related fields, the IJAS provides a platform to share and explore the latest advancements, emerging trends, and practical solutions. Join us in shaping the future of automation science and safety science.

IJAS is an international peer-reviewed open-access journal, disseminating the quality research in the following fields:

- Automation, systems and control,
- Autonomous systems,
- Multiagent systems,
- Decision-making and decision support,
- Robotics,
- Mechatronics,
- Data sciences,
- New computing paradigms,
- Principles and theory of risk assessment and management
- Risk assessment policy, standards and regulations
- Risk-based decision making and risk management
- Decision making and decision support systems for risk and disaster management on regional and global scales
- Risk perception and communications
- Risk assessment and control
- Risk characterisation
- Dynamic risk assessment

- Integration of risk models and quantifications
- Advanced concepts and information technologies in risk assessment and management
- Integrated risk assessment and safety management
- Integrated risk assessment in developing and rapidly developing countries, etc. Topics covered include.
- Diagnosis of continuous and discrete event systems (DES)
- Control of continuous, Discrete Event Systems and hybrid systems
- Fault-tolerant control
- Integrated modelling, simulation and analysis approaches for dependability assessment
- Dynamic reliability
- Process safety and environmental engineering
- Public health and medical services
- Process engineering and environmental protection
- Computer science and safety
- Health and safety at work
- Environmental and ecological systems
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