



Delft University of Technology

Editorial

Journal of Integrated Security and Safety Science

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EDITORIAL

In 2017, the Journal of Integrated Security Science was founded at the Safety and Security Science section at Delft University of Technology, the Netherlands. Now, in 2021, we are happy to announce that we are rebranding the journal by taking it into an adjusted thematic and theoretical avenue: with a new journal name, a revised scope and updated editorial board, we aim for the journal to become an established value within the field of security and safety science, that guarantees high quality standards. In this editorial, we will elaborate upon the implemented changes, and our goals for the future.

When the journal was originally founded, its focus was on physical security in industrial plants and critical infrastructures. In the revised version of the journal, physical security will remain the primary focus. However, because the fields of security and safety are highly related and intertwined, and because the current publishing landscape does not offer sufficient venues for studies bridging these two domains, the journal aims to serve as a platform to strengthen the integration between security and safety. The first significant step in strongly establishing this link between security and safety was to include both concepts in the journal's name. Therefore, the Journal of Integrated Security Science (ISSN: 2468-4546) has been given the new name Journal of Integrated Security and Safety Science (JISSS) (ISSN: 2667-0429).

JISSS's primary focus on security, and on the integration of security and safety, means that contributions cannot solely address safety and

exclude security. Topics focusing on the broad safety spectrum are within scope of the journal, but only if a clear and meaningful link with security is established. This narrowed scope will presumably lead to fewer submissions, but it will also be a unique selling point for the journal, attracting a more specialized target audience. The journal will address a 'niche', being the integration of security and safety. The detailed revised scope can be found at the end of this editorial.

In addition to the new journal name and updated scope, the composition of the editorial board has been optimised and reinvigorated. The new journal format has appointed five editors-in-chief, representing different continents. This will alert prospective contributors of the fact that article submissions are welcomed from every corner of the globe. All together, the editorial board of JISSS consists of about twenty highly renowned experts in the field of security and safety. This team holds expertise on a wide range of topics and methods that find themselves at the heart of JISSS. The entire editorial board and its international representatives will enable the journal to change its direction into a more global direction, attracting a wider readership and more diverse author backgrounds.

What remains unchanged, is that the journal is a Platinum Open-Access journal. This means that JISSS is an open-access e-journal for which neither authors nor readers pay a fee. We strongly believe that access to ideas developed with the aim of addressing important security and safety related

challenges should not be restricted to those individuals and institutions that are able to pay publishers' large (subscription) fees. Furthermore, we strive to have a review cycle which is as short as possible, also when the number of submissions increase.

Although we are aware of the fact that receiving an impact factor is not easy in the contemporary publishing environment, even more so because we start from a small, stand-alone open access e-journal, we do have the ambition to obtain an impact factor over the years. A first step towards this impact factor is being indexed in relevant databases such as Scopus and Web of Science.

The revised scope of JISSS offers a unique addition to the landscape of academic journals in the field of security and safety. We aim to offer a high-quality journal that publishes contributions from all over the world. We look forward to working together with authors, reviewers, and guest editors, to provide high-quality contents to researchers and practitioners working with security and safety.



Karolien van Nunen, Genserik Reniers, Pieter van Gelder, Floris Goerlandt & Jie Li

Scope Journal of Integrated Security and Safety Science

JISSS (jiss.tudelft.nl) publishes innovative papers that offer a significant contribution – conceptual, theoretical, methodological, or empirical – to all areas of physical security and safety in industries and infrastructures. The primary focus of the journal is on the broad spectrum of security areas, such as terrorism, piracy, theft (e.g. of chemical products), and sabotage. Contributions addressing the broad safety spectrum are also welcomed, as long as a link with security is established. This link can for instance be a component of the methodology and/or results, or this link can be explored in the discussion to facilitate the contribution's connection to the security and safety field. Contributions could elaborate on possible conflicts between safety and security, and how such conflicts can be managed, or how both domains can complement each other.

Of particular interest are articles that combine science, technology, management strategies and regulations to invent scientifically substantiated yet practical solutions for securing and safeguarding assets in various domains including: the chemical and process industry, oil and gas industry, transportation systems including HAZMAT transportation, power plants (nuclear, LNG, etc.), pipelines, drinking water and water treatment systems, commercial facilities, and government facilities.

The scope of the journal includes, but is not limited to:

- Security and safety concepts, models and theories
- Methods and frameworks for integrating security and safety
- All-hazard approach in emergency management and decision-making
- Security and safety behaviours, perceptions and communication
- New emerging security and safety issues and technologies (e.g. Artificial Intelligence)
- Data driven applications for (integrating) security and safety
- Security and safety culture/climate
- Reliability, vulnerability and resilience related to (integrating) security and safety
- Public and societal security and safety related to hazardous industries and critical infrastructures
- Security and safety risk assessment and management in hazardous industries and critical infrastructures
- Innovative approaches for threat likelihood assessment
- Attractiveness analysis
- Cyber security of operation technologies
- Vulnerability assessment under intentional events
- Consequence analysis with an emphasis on cascading effects in interdependent and adjacent infrastructures
- Security-informed and safety-informed decision making and design
- Privacy issues and concerns linked to security and safety
- Optimization of security and safety risk management strategies
- Case studies on security and safety issues

Submissions related to both fundamental questions (concepts, theories, methods) and/or applied problems (problem domains and empirical results) are within the scope of the journal.

The journal accepts contributions in the form of original research papers, review articles, industrial case studies, security and safety recommendations, book reviews, and short communications. Opinion and discussion papers are also encouraged. Registered Reports (prior to data collection) can also be submitted.

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