

# ICSIE 2027

## 2027 15th International Conference on Software and Information Engineering

January 15-17, 2027 | Tokyo, Japan

[www.icsie.org](http://www.icsie.org)

### Special Session Title

#### AI-Native Software Engineering: Methodologies, Workflows, and Engineering Practices

Generative AI is transforming software engineering by becoming an integral part of the entire lifecycle—from requirements to maintenance. Despite the rapid adoption of AI-powered tools, organizations still rely on ad hoc practices with limited evidence on their effectiveness and sustainability. There is a growing need for systematic methodologies, standardized processes, and evaluation frameworks to build reliable, trustworthy, and maintainable AI-native software systems.

This special session invites researchers and practitioners to share evidence-based methodologies, empirical studies, and industrial experiences that advance the maturation of AI-assisted software development.

#### Topics

Topics of interest include, but are not limited to:

- AI-native software engineering methodologies and frameworks
- AI-assisted software development processes and workflows
- AI-driven requirements engineering
- AI-assisted software architecture and design
- AI-supported testing, verification, and validation
- Code quality and maintainability of AI-generated software
- Human-AI collaboration in software engineering
- Metrics and empirical evaluation of AI-assisted development
- AI governance, trustworthiness, and security
- Industrial case studies and best practices
- Standards, guidelines, and engineering frameworks for AI-native software development

#### Submission Method

##### Submission System:

<https://www.zmeeting.org/submission/icsie2027>

More detail about submission, please via:

<https://www.icsie.org/sub.html>

#### Special Session Committee

##### Special Session Chair:

Dr. Sokratis Karkalas, University of Derby, UK

##### Special Session Co-Chairs:

Dr. Aakash Ahmad, University of Derby, UK

Assoc. Prof. Hong Qing (Harry) Yu, University of Derby, UK

#### Publication

Submitted manuscripts will be peer reviewed by the conference scientific committees. Accepted and presented papers will be included into **Conference Proceedings**, which will be submitted to **Ei Compendex** and **Scopus** for indexing.

ICSIE has a credible publication history:

ICSIE2026 Conference Proceedings | ISBN: 979-8-4007-2272-1

ICSIE2024 Conference Proceedings | ISBN: 979-8-4007-1776-5 | [Ei Compendex & Scopus](#)

ICSIE2023 Conference Proceedings | ISBN: 979-8-4007-0810-7 | [Ei Compendex & Scopus](#)

ICSIE2022 Conference Proceedings | ISBN: 978-1-4503-9706-3 | [Ei Compendex & Scopus](#)

ICSIE2021 Conference Proceedings | ISBN: 978-1-4503-8431-5 | [Ei Compendex & Scopus](#)

ICSIE2020 Conference Proceedings | ISBN: 978-1-4503-7721-8 | [Ei Compendex & Scopus](#)

ICSIE2019 Conference Proceedings | ISBN: 978-1-4503-6105-7 | [Ei Compendex & Scopus](#)

ICSIE2018 Conference Proceedings | ISBN: 978-1-4503-6469-0 | [Ei Compendex & Scopus](#)

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#### Conference Secretary

Ms. Lucy Zhou

Email: [icsieconf@163.com](mailto:icsieconf@163.com)

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#### Host



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