



Call for Papers

**25th IEEE/ACIS International Conference on Software Engineering
Research, Management and Applications (SERA 2027)**

May 26 – 28, 2027, Las Vegas, NV, USA

Hybrid (in person & online)



SERA 2027 brings together researchers, practitioners, and advanced graduate students to exchange and share their experiences, new ideas, and research results and research-in-progress about all aspects (theory, applications, and tools) of Software Engineering Research, Management and Applications, and discuss the practical challenges encountered and the solutions adopted.

Scope and Topics of Interest

SERA 2027 invites original research, experience reports, applications, tools, and emerging results.

Topics include, but are not limited to, the following areas:

1. Software Engineering Foundations

Requirements, architecture and design; software testing and quality; modeling and analysis; software evolution and maintenance; software processes and management; empirical software engineering; software engineering education.

2. AI and Intelligent Software Engineering

Deep Learning & NLP; Generative AI and LLMs for software engineering; AI-assisted development and testing; agentic software engineering; engineering AI-enabled systems; MLOps and LLMOps; trustworthy and responsible AI; human-AI collaboration.

3. Security, Privacy, and Sustainability

Software security and privacy; secure software development and DevSecOps; software supply chain security; dependable and resilient systems; security of AI-enabled systems; green and sustainable software engineering.

4. Software Systems and Emerging Applications

Cloud, edge, and parallel and distributed systems; IoT and cyber-physical systems; autonomous and self-adaptive systems; mobile and web systems; blockchain and smart contracts; digital twins and smart systems.

5. Data, Algorithms, and Emerging Technologies

Software analytics, big data analytics and data-driven engineering; algorithms and computational methods; search-based software engineering; quantum software engineering; emerging computing technologies.

Important Dates

Workshop/Special session proposal:	January 12, 2027
Full Paper Submission:	February 26, 2027
Acceptance Notification:	April 5, 2027
Camera-Ready Papers & Registration:	April 19, 2027
Conference Dates:	May 26 – 28, 2027

Submission Types

- Full Paper
- Short Paper
- Poster
- Workshop Paper
- Special Session Paper

Submission Instructions

Authors who are interested in the above topics can submit their unpublished work to SERA 2027 conference via [EasyChair](#). A clear indication of motivation and comparison with prior related work

should be presented. Simultaneous submission to a journal or another conference with refereed proceedings is not allowed.

Submissions must adhere to the following guidelines:

- Papers must be formatted using [IEEE Conference templates](#) file without altering margins or the font point.
- The maximum length is 8 pages for a regular paper and is 4 pages for a short paper (including references).
- Proofs omitted due to space constraints must be placed in an appendix to be read by the program committee members at their discretion.

Best Paper Award

Conference officers will select papers for the Best Paper Award and Best Student Paper Awards. (To qualify for an award, the Paper must be presented at the conference.)

Publication

SERA 2027 Proceedings will be published by IEEE Conference Publishing Services and will be submitted to be indexed by EI, INSPEC, and DBLP.

Conference officers will select outstanding papers for publication in the following journals (www.acisinternational.org):

- International Journal of Networked and Distributed Computing (IJNDC), Springer, Germany
- International Journal of Software Innovation (IJSI), IGI Global, U.S.A.
- International Journal of Big Data Intelligence and Applications (IJBDA), IGI Global, USA
- Studies in Computational Intelligence (SCI), Springer, Germany

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