



THE UNIVERSITY of EDINBURGH
School of Engineering



IEEE 29th International Conference on Engineering, Technology and Innovation ICE2023
Edinburgh, 19-22 June 2023

Shaping the future: Data-driven Engineering, Innovation and Entrepreneurship

- CALL FOR PAPERS -

ICE IEEE/ITMC is the **International Conference on Engineering, Technology, and Innovation**, part of the IEEE Technology and Engineering Management Society (TEMS). It developed from an early focus on the engineering method of concurrent engineering to the general organisation of the engineering process and its organization within the corporation and in networks. The ICE conference, therefore, discusses systems engineering as a socio-technical task focusing on the design of products and services, and the entrepreneurial innovation process for its adoption in society and the economy.

ICE 2023 will focus on how the future will be made and how the world will be impacted by developments in data-driven engineering, innovation, technology, and entrepreneurship. It will cover socio-technical issues in engineering, how these shape the design of products and services, and what innovation, technology, and entrepreneurial processes are involved. In line with Edinburgh's strategic vision for data-driven innovation, **key conference themes include:**

- R&D, Innovation, Technology, and Entrepreneurship
- Public-Private Ventures and Digital Entrepreneurship
- Intrapreneurship Strategy and Processes
- Technology Foresight and Forecasting
- Service, Product, and Systems Design, Innovation, and Engineering
- Industry 4.0: Managing Digital Design and Manufacturing, Artificial Intelligence, Machine-learning, Big-data, and Concurrent/Distributed Computing
- Innovation in Engineering Management Education, Research, and Learning
- Human, Socio-Economic, Political and Cultural Dimensions of Emerging Technology, Including Responsible Research and Innovation and Ethical Governance
- Novel Business Models for Sustainability and Resilience
- Regional Economic Development, Specialisation and Competitiveness

More information and link to submission portal at:

<http://papers.ice2023.org>





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We invite high-quality papers contributing to substantial, original, and previously unpublished research on the topics of the conference. This includes, but is not limited to:

- Theoretical research papers that provide new concepts in the domain of engineering, technology, and innovation;
- Empirical studies and qualitative case studies that develop new insights;
- System design and development papers that go beyond the pure description of systems and give insight into the theory and effectiveness of the approach.
- Verification and validation papers that evaluate the application of solutions.

For your paper to be eligible for acceptance, the author(s) need to add a very short paragraph at the end of the Discussion section of their paper, named “Match & Contribution.” It shall state clearly how, according to the author(s), their paper fits and contributes to the this conference Call-for-Papers (CfP) and how it fits and contributes to the Field of Interest (FoI) of the IEEE Technology & Engineering Management Society (TEMS). Author(s) should check the current TEMS FoI at <https://www.ieee-tems.org/governance/> before submitting their paper to the conference.

Papers will undergo strict double-blind peer review with the following criteria:

1. The quality of the contribution to the existing body of knowledge in engineering, technology, and innovation.
2. The relevance of articles in regard to the conference topics.
3. The scientific/innovation quality of the approach described in the article.
4. The redaction quality and clarity.

Submission timeline:

- **Submission Portal (ConfTool) Opens:** 1st December 2022
- **Full Paper Submission Date:** 31st January 2023
- **Notification of Acceptance Date:** 31st March 2023
- **Final Paper Submission Date:** 15th May 2023

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