

IEEE Software Technology Conference (STC) Call for Participation

The IEEE Software Technology Conference (STC) is the ideal conference for software engineering practitioners and researchers. This conference, with a long and distinguished history, regularly draws from industry, government, and academia. STC provides a vital forum for authors, presenters, and participants to hear from leading researchers and practitioners in the ever-expanding software world. The conference exists to illuminate the future of software and to share opportunities, challenges, and successes. As always academic and industry leaders will deliver stimulating keynote presentations. This year's conference will feature both presentations and full papers (optional). The proceedings and selected presentations will be published by IEEE and made available through the Xplore digital library.

You may find additional information at <http://ieee-stc.org>. You may elect to submit either a full paper, an abstract for presentation, or a tutorial proposal. All submissions will be peer-reviewed. Accepted full papers will be published in the IEEE Xplore Digital Library.

Conference topics dealing with software technology, include but are not limited to:

1. Coding for:
 - a. Quantum Computing
 - b. Low Code/No Code platforms
 - c. Metaverse
 - i. Entertainment
 - ii. Industrial
 - d. Blockchain – e.g. NFT, contracts, medicine
 - i. Graph Processing Unit Energy management
 - ii. Consensus algorithms
 - e. Green Computing and carbon reduction via software
 - f. IoT and edge computing
 - g. Machine Learning (ML)
 - i. Training data preparation
 - ii. ML Algorithms
 - iii. Combinatorics
 - h. Artificial Intelligence (AI)
 - i. Generative
 - ii. AI Algorithms
 1. Natural Language Processing
 2. Pattern Recognition
 - i. Digital Twins
 - j. NoSql tools and techniques
 - k. Cybersecurity
 - l. Bigdata Analytics
3. AI applications and society
 - a. Explainable AI
 - b. AI Ethics

4. The Graph Invasion
 - a. Algorithms
 - b. Graph Data Bases
 - c. Knowledge Bases
 - d. ML
 - e. Netcentric apps
5. Trends in App Development Methodology
 - a. Scrum
 - b. Agile
 - c. V&V (Testing)
6. Computer Science Education related to coding
 - d. Necessary reforms
 - e. Teaching discipline Specific applications
 - f. Teaching cross-Disciplinary applications
 - g. Impact of technology on teaching coding
 - i. ChatGPT and GPT4
 - ii. Low-code and no code
 - h. Learning Management Systems
7. Autonomy/Robotics
 - a. Cyberbiological
 - b. Cyberphysical
 - c. Sensor Fusion
8. Software for Architectures
 - a. Ontology
 - b. ERD
 - c. Data Mapping

The IEEE STC 2023 schedule appears below:

Fri, July 15, 2023 (AoE) - Abstracts, papers, and tutorials submissions are due

Fri, Aug 12, 2023 - Acceptance notifications will be sent out

Fri, Sept 9, 2023 (AoE) - Camera-ready abstracts, full papers, presentations, and bios due

Mon 25 -Wed 27, Sep – Online STC Conference

Please submit abstracts and papers via: <https://easychair.org/my/conference?conf=ieeestc29>