



General Chair

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Program Co-chairs

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Important Dates

Abstract submission December 11, 2019

Full paper submission December 18, 2019

Notification of acceptance February 1, 2020

The **IEEE International Conference on Software Architecture (ICSA 2020)** is the premier gathering of practitioners and researchers interested in software architecture, in component-based software engineering and in quality aspects of complex software systems. ICSA continues the tradition of a working conference, where researchers meet practitioners and where software architects can explain the problems they face in their day-to-day work and try to influence the future of the field. Interactive working sessions will be the place where researchers meet practitioners to identify opportunities to create the future.

Submissions

Technical research papers (10 pages) that describe original and significant results of theoretical, empirical, conceptual, or experimental work in software architecture research or industrial practice. The novelty of the contribution needs to be clearly described and the results validated. Technical research papers are limited to 10 proceedings pages, and will be evaluate based on soundness, significance, verifiability, and presentation quality, in that order.

Please note that ICSA 2020 will pursue a double-blind review process for the main Technical track (only), therefore all submissions to this track have to fulfill the double-blind reviewing requirements. Papers submitted to the ICSA2020 technical track that disregard these review requirements will not be reviewed but desk-rejected.

All accepted contributions will be published in ICSA 2020 proceedings, and appear in IEEE Xplore Digital Library. At least one author of an accepted contribution is required to register and present the work at the conference.

Topics

Topics of interest for the conference include (but are not limited to) the following themes:

- Architecture & CI, CD, DevOps,
- Microservices
- Model driven engineering for continuous architecting
- Up-front architecture and agile development
- Architecting Systems of Systems, IoT systems, CPSs, software ecosystems, self-adaptive systems, or autonomous systems
- Component based software engineering and architecture design
- Architecture evaluation and quality aspects of software architectures
- Automatic extraction and generation of software architecture descriptions
- Re-factoring and evolving architecture design decisions and solutions
- Architecture frameworks and architecture description languages
- Linking architecture to requirements and/or implementation
- Preserving architecture quality throughout the system lifetime
- Reusable architectural solutions
- Software architecture knowledge management
- Software architecture for legacy systems and systems integration
- Architecting families of products
- Cultural, economic, business and managerial aspects of software architecture
- Software architects roles and responsibilities
- Training, education, and certification of software architects
- State-of-the-art and state-of-practice in software architecture
- Industrial experiments and case studies



ICSA 2020 homepage: <http://icsa-conferences.org/2020>