ICSA 2021

IEEE International Conference on Software Architecture 2021

March 22-26, 2020 – Virtual Event

General Chairs
Steffen Becker, University of Stuttgart, Germany
Frank Leymann, University of Stuttgart, Germany

Program Chairs
Grace A. Lewis, Carnegie Mellon Software Engineering Institute, USA
Anton Jansen, Philipps Innovation Services, The Netherlands

Important Dates

Abstract submission	December 9, 2020
Full paper submission	December 16, 2020
Notification of acceptance	January 22, 2021

The **IEEE International Conference on Software Architecture (ICSA 2021)** is the premier gathering of practitioners and researchers interested in software architecture, component-based software engineering, and 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 enable researchers to meet practitioners to identify opportunities to create the future.

We welcome the **submission** of technical research papers that describe original and significant results of theoretical, empirical, conceptual, or experimental work in software architecture research or industrial practice.

Technical Track

Journal-First

Software Architecture in Practice

New and Emerging Ideas

Early Career Researchers

Workshops

See the CFP for each track/workshop for submission instructions, evaluation criteria, and publication information. At least one author of each accepted contribution is required to register and present the work at the conference.

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

Architecture & CI/CD, DevOps, Containerization, Serverless platforms	*Microservices and event-driven architectures*	*Model driven engineering for continuous architecting*
Agile architecting and other approaches to architecting	*Automatic extraction and generation of software architecture descriptions*	*Architecting specific types of systems, such as Systems of Systems, IoT systems, AI/ML systems, CPSs, software ecosystems, self-adaptive systems, or autonomous systems*
Architecture evaluation and quality aspects of software architectures	*Reusable architectural solutions*	
Architecture conformance	*Component-based software engineering*	
Refactoring and evolving architecture design decisions and solutions	*Architecture frameworks and architecture description languages*	*Linking architecture to requirements and/or implementation*
Software architecture knowledge management	*Architecting families of products*	*Software architecture for legacy systems and systems integration*
Software architect roles and responsibilities	*State-of-the-art and state-of-practice in software architecture*	*Industrial experiments and case studies*
Cultural, ethics, economic, business, financial, and managerial aspects of software architecture	*Training, soft skills, coaching, mentoring, education, and certification of software architects*	*Stakeholder management and collaborating with other business and technical domains*

http://icsa-conferences.org/2021