



IEEE International Conference on Software Architecture 2021

March 22-26, 2021– 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, Philips 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*

*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>