



### General Chairs

Rick Kazman, University of Hawaii, USA  
 Patrizio Pelliccione, Gran Sasso Science Institute, Italy

### Program Chairs

Anna Liu, Amazon Web Services, Australia  
 Ingo Weber, Technical University of Berlin, Germany

### Important Dates

Abstract submission	November 1, 2021
Full paper submission	November 8, 2021 (AoE)
Notification of acceptance	December 15, 2021

The **IEEE International Conference on Software Architecture (ICSA 2022)** is the premier gathering of practitioners and researchers interested in software architecture, component-based software engineering, and quality aspects of complex software systems. ICSA 2022 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.



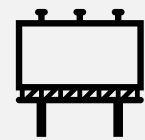
**Technical Track**



**Journal-First**



**Software Architecture in Practice**



**Posters**



**New and Emerging Ideas**



**Early Career Researchers**



**Artifact Evaluation**



**Working Sessions**

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 for specific types of systems, such as Systems of Systems, Edge / fog / IoT systems, AI / ML systems, Cyber-physical systems, Systems using blockchain or quantum computing, self-adaptive systems, or autonomous systems*

*Architecture evaluation and quality aspects of software architectures*

*Model-driven engineering and component-based software engineering*

*Architecture & CI/CD, and DevOps*

*Architecture conformance*

*Microservices, Containerization, Serverless platforms, and event-driven architectures*

*Agile architecting, continuous architecting, and other approaches to architecting*

*Automatic extraction and generation of software architecture descriptions*

*Refactoring and evolving architecture design decisions and solutions*

*Architecture frameworks and architecture description languages*

*Linking architecture to requirements and/or implementation*

*Reusable architectural solutions and software architecture knowledge management*

*Software architecture for legacy systems and systems integration*

*Architecting families of products*

*Cultural, ethics, economic, business, financial, social, and managerial aspects of software architecture*

*Roles and responsibilities for software architects*

*Training, soft skills, coaching, mentoring, education, and certification of software architects*

*Stakeholder management and collaborating with other business and technical domains*

*State-of-the-art and state-of-practice in software architecture*

*Resilient and dependable software architectures*

*Recovery oriented software architecture*

*Case studies of software systems for COVID-19 recovery*