



General Chairs

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Program Chairs

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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.



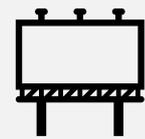
Technical Track



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

Automatic extraction and generation of software architecture descriptions

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

Agile architecting, continuous architecting, and other approaches to architecting

Linking architecture to requirements and/or implementation

Refactoring and evolving architecture design decisions and solutions

Architecture frameworks and architecture description languages

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