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.

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.

**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
- Automatic extraction and generation of software architecture descriptions
- Linking architecture to requirements and/or implementation
- Architecting families of products
- Training, soft skills, coaching, mentoring, education, and certification of software architects
- Resilient and dependable software architectures
- Architecture evaluation and quality aspects of software architectures
- Architecture & CI/CD, and DevOps
- Microservices, Containerization, Serverless platforms, and event-driven architectures
- Refactoring and evolving architecture design decisions and solutions
- Reusable architectural solutions and software architecture knowledge management
- Cultural, ethics, economic, business, financial, social, and managerial aspects of software architecture
- Stakeholder management and collaborating with other business and technical domains
- Recovery oriented software architecture
- Model-driven engineering and component-based software engineering
- Architecture conformance
- Agile architecting, continuous architecting, and other approaches to architecting
- Architecture frameworks and architecture description languages
- Software architecture for legacy systems and systems integration
- Roles and responsibilities for software architects
- State-of-the-art and state-of-practice in software architecture
- Case studies of software systems for COVID-19 recovery