CALL FOR PAPERS

2023 IEEE INTERNATIONAL CONFERENCE ON SOFTWARE SERVICES ENGINEERING

https://conferences.computer.org/services/2023
https://conferences.computer.org/sse/2023

JULY 2-8
2023

CHICAGO,
ILLINOIS
USA

Hybrid Event

Software as a service (SaaS) – a framework for encapsulating and delivering applications as services has been a great success primarily due to how it allows for cost-effective modular service requirements decomposition and modular service composition during the development, operation, maintenance, and evolution of the encapsulated software and the underlying computing platform.

But software services are increasingly pressured to become more than just encapsulated code with a service interface. Demands abound for such services to be context and situation-aware, self-aware and autonomous, ultra-mobile, ultra-fine-grained, ultra-trustworthy, and ultra-intelligent.

Recognizing the need for a disruptive approach to enabling next generation software services, the IEEE World Congress on Services has dedicated a special symposium organized by academic and industrial leaders from the software engineering and services computing communities to chart a way forward. The International Symposium on Advances in Software Services Engineering which was held in 2021 and 2022 has concluded with a set of recommendations, which is a cross-cutting declaration and a manifesto of a new field of study named Software Service Engineering (SSE), based on the prevalent body of knowledge and professional practice of software engineering methods and tools, as well as advances in the other disciplines as described above. This inaugural International Conference on Software Services Engineering (SSE) will aim to further establish this field and to organize the participation and contributions of its constituent R&D communities.

Original research and bold ideas that fall under the following themes are sought. Other innovative and novel themes are also encouraged.

Human in the Loop
- Human-behavior driven requirements engineering for software services
- Human-centric software service engineering
- Influential and persuasive software services for human-in-the-loop systems

IoT: Context Awareness & Autonomy
- Context-aware dev-ops platforms for software services
- Microservices-based autonomous IoT service frameworks
- Harmonizing autonomous services with ambiguities and uncertainties

NextGen SSE
- Trustworthiness-by-design architecture for software services
- AI-enabled software service engineering
- Software service engineering for responsible AI

Intelligent Operations
- Manageability-preserved dynamic composition of individually administered microservices
- DevOps and service engineering
- Maintenance of service-oriented systems

Industrial SSE
- Applications and case studies
- Tools
- Experiences

A full list of topics of interest are available on the IEEE SSE website:
https://conferences.computer.org/sse/2023/cfp

General Chair:
Sumi Helal, University of Florida

Program Chairs:
Tiberiu Seceleanu, Malardalen University
Qinghua Lu, CSIRO

Important Dates:
December 1, 2022: EasyChair opens for draft submissions
UPDATED: March 5, 2023: EasyChair closes for submissions
UPDATED: April 23, 2023: Acceptance notifications

Contact: For any questions regarding submission, please email the SSE conference chairs at ieeecs-sse@computer.org