



## Call for Papers

**21st IEEE/ACIS International Conference on Software Engineering Research,  
Management and Applications (SERA 2023)  
May 23-25, 2023, Orlando, Florida  
(Hybrid format: for countries/regions with travel restrictions)**



SERA 2023 brings together researchers, practitioners, and advanced graduate students to exchange and share their experiences, new ideas, and research results and research-in-progress about all aspects (theory, applications and tools) of Software Engineering Research, Management and Applications, and discuss the practical challenges encountered and the solutions adopted. There are three submission types (in [IEEE Conference templates](#)):

- Full Paper (up to 8 pages)
- Short Paper (up to 4 pages)
- Posters

### Important Dates

<b>Workshop/Special session proposal:</b>	<b>February 15, 2023 (extended)</b>
<b>Full Paper Submission:</b>	<b>March 12, 2023 (extended)</b>
<b>Acceptance Notification:</b>	<b>April 5, 2023 (extended)</b>
<b>Camera-Ready Papers &amp; Registration:</b>	<b>April 20, 2023 (extended)</b>
<b>Conference Dates:</b>	<b>May 23 – 25, 2023</b>

Conference officers will select outstanding papers for publication in the following journals ([www.acisinternational.org](http://www.acisinternational.org)):

- International Journal of Networked and Distributed Computing (IJNDC), Springer, Germany
- International Journal of Software Innovation (IJSI), IGI Global, USA.
- International Journal of Big Data Intelligence and Applications (IJBDIA), IGI Global, USA
- Studies in Computational Intelligence (SCI), Springer, Germany

The conference will cover a broad set of research topics as:

- AI and Software Engineering
- Metaverse
- Digital Twins
- Software Testing and Analysis
- Empirical Software Engineering
- Software Requirements, Modeling and Design
- Software Security and Privacy
- Software Testing and Security of Emerging Languages
- Parallel and Distributed Computing
- Data Mining and Knowledge Recovery
- Datasets for Software Engineering and Cybersecurity
- Data Preprocessing in Machine Learning
- Software Evolution and Understanding
- Software Engineering Education
- Communication Systems and Networks
- Blockchain and Smart Contract
- Embedded/ Cyber-Physical Systems
- Internet of Things (IoT)
- Automotive and Autonomous Vehicles
- Digital Forensics

### **Special Sessions**

- Title: Metaverse and Digital Twins
- Special Session Chair: Dr. Yongik Yoon, Sookmyung University, Seoul, Korea
  
- Title: Cybersecurity
- Special Session Chair: Dr. Fei Zuo, University of Central Oklahoma

### **Best Paper Award**

Best Paper Award and Best Student Paper Awards will be conferred at the conference (in order to qualify for the award, the paper must be presented at the conference.)

### **Submission Instructions**

Authors who are interested in the above topics can submit their unpublished work to SERA 2023 conference via [EasyChair](#). A clear indication of the motivation and comparison with prior related

work should be presented. Simultaneous submission to a journal or another conference with refereed proceedings is not allowed.

Submissions must adhere to the following guidelines:

- Papers must be formatted using [IEEE Conference templates](#) file without altering margins or the font point.
- The maximum length is 8 pages for a regular paper and is 4 pages for a short paper (including references).
- Proofs omitted due to space constraints must be placed in an appendix to be read by the program committee members at their discretion.

### **Publication**

SERA 2023 Proceedings will be published by IEEE Conference Publishing Services and will be submitted to be indexed by EI, INSPEC, and DBLP.

**Journal publication:** Conference officers will select outstanding papers for publication in the following journals

- **International Journal of Networked and Distributed Computing** ([IJNDC](#)), Springer, Germany.
- **International Journal of Software Innovation** ([IJSI](#)), IGI Global, USA.
- **International Journal of Big Data Intelligence and Applications** ([IJBDA](#)), IGI Global, USA.
- **Studies in Computational Intelligence** ([SCI](#)), Springer, Germany.

### **Organizing Committee**

#### **General Chair**

Roger Lee, Central Michigan University

#### **Conference Chair**

Yeong-Tae Song, Towson University

#### **Program Co-Chairs**

Junghwan “John” Rhee, University of Central Oklahoma  
Yuseok Jeon, UNIST, Korea

#### **Special Session Chairs**

Yongik Yoon, Sookmyung University, Seoul, Korea  
Fei Zuo, University of Central Oklahoma

#### **Publicity Co-Chairs**

Yongik Yoon, Sookmyung University, Seoul, Korea  
Fei Zuo, University of Central Oklahoma  
Goutam Mylavarapu, University of Central Oklahoma  
Masato Oguchi, Ochanomizu University, Japan  
Amel Fraise, University of Lille, France  
Myungkyu Song, University of Nebraska Omaha