

10th IEEE International Conference on Smart Computing (SMARTCOMP 2024)

Osaka, Japan

June 29th to July 2nd



<https://smartcomp.w.waseda.jp/>

SMARTCOMP 2024, the 10th edition of the premier conference on smart computing, will be held in Osaka, Japan at the end of June 2024. Smart computing is a multidisciplinary domain based on the synergistic influence of advances in sensor-based technologies, Internet of Things, cyber-physical systems, edge computing, big data analytics, machine learning, cognitive computing, ambient intelligence, and artificial intelligence. Applications of smart computing can be found in various societal domains, including transportation, energy, environmental protection, smart and connected communities, healthcare, industrial systems, and entertainment. Algorithmic and systems advancements of cloud computing, mobile and pervasive computing, sensor networking, and social computing are taking smart computing to a new level while improving our ways of living. SMARTCOMP 2024 welcomes novel, cutting-edge and creative research contributions. Authors are encouraged to discuss the importance, timeliness, and significance of their work as well as limitations, future opportunities and open research directions.

Main Research Track

SMARTCOMP 2024 solicits submissions that address the fundamental questions of smart computing, that is how to design and build scalable and reliable smart computing systems, and how to use computing technology for resource sustainability to improve the human experience. Topics of interest include – but are not limited to – the following:

- Emerging Smart Computing Paradigms
- Algorithms for Smart Computing
- AI and Machine Learning in Smart Computing
- Security, Privacy, and Trust in Smart Computing
- Smart and Usable Security and Privacy
- Fairness and Socio-technical Aspects of Smart Computing
- Middleware for Smart Systems
- Mobile and Ubiquitous Smart Systems, Wearable Computing and IoT
- Intelligent Cyber-Physical Systems
- Cloud, Edge, and Fog based Smart Computing Platforms
- Data Architectures and Analytics for Smart Computing
- Distributed Sensing and Computation
- Novel Communication Paradigms in Smart Computing
- Low Power Communication and Computing for Smart Systems
- Social Computing and Smart Systems
- Quantum Computing in Smart Systems
- Interdisciplinary Approaches to Smart Computing
- Appl. of Smart Computing, e.g. Smart Communities, Health, Industry

Paper Submission Guidelines: Paper submissions must be no longer than 8 pages (the page count limit includes the references list) and formatted according to the two-column IEEE proceedings template. All submitted papers that conform to these guidelines will be subject to peer reviews by Technical Program Committee members and other experts in the field. All presented papers will be published in the conference proceedings and submitted to the IEEE Xplore Digital Library.

SUBMISSION URL (paper registration from November 1st, 2023):
<https://edas.info/N31641>

Journal Fast Track: Extended versions of selected high-quality papers accepted by IEEE SMARTCOMP 2024 will be considered for publication in Elsevier's Pervasive and Mobile Computing journal (IF: 4.3).

- Research papers should be submitted to the **Main Track** section of the conference (check EDAS submission link above).
- Two additional pages for the camera ready version can be purchased after the paper review and selection.

Important Dates

Paper Submission: February 29, 2024

Acceptance Notification: April 5, 2024

Camera Ready (tentative): May, 10 2024

Conference: June 29 – July 2, 2024

All deadlines are Anywhere on Earth.

Industry Track

In addition to the main research track, the conference invites innovative applications and advances in the industrial use of smart computing technology. The industry track will provide a forum to discuss novel ideas and emerging results, present innovative applications and tools, and bring about novel research questions, approaches, and directions with an industry focus. The conference industry track draws upon many industrial applications such as transportation, energy, environmental protection, resource management, healthcare, security, banking, entertainment, and social media. An important criterion for papers to be submitted to the Industry Track is the clear industrial association, either in the form of an extensive evaluation of research results in industrial use cases or the active participation of industry representatives as co-authors. Accepted papers will be published as part of a separate section of the main conference proceedings that highlights the Industry relevance of the submission.

Industry Track Topics include, but are not limited to, the following:

1. Smart Cyber-Physical Environments and Energy / Water / Agriculture / Transportation / Healthcare / Banking Infrastructure / ...
2. Security, Privacy, and Economics in Smart Environments
3. Smart and Connected Communities across Cities
4. Smart Computing Technologies
5. Future Smart Computing Paradigms
6. Smart Human-centric Environments, Health, Entertainment, and Social Activities
7. Artificial Intelligence and Machine Learning for Smart Computing

Industry-track submission guidelines

- Industry track papers should be submitted in the **Industry Track** section (check EDAS submission link above)
- Also, two additional pages for camera ready version can be purchased after the paper review and selection.

Potential contributors are encouraged to look at the other calls associated with the main conference. This includes calls for various workshops, PhD forum, work in progress, demonstrations and posters sessions.

SUBMISSION URL (paper registration from November 1st, 2023):
<https://edas.info/N31618>

Important Dates

Paper Submission: February 29, 2024

Acceptance Notification: April 5, 2024

Camera Ready (tentative): May, 10 2024

Conference: June 29 – July 2, 2024

All deadlines are Anywhere on Earth.

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