The 20th IEEE International Conference on Ubiquitous Intelligence and Computing (UIC 2023)

28th-31st August, 2023
Portsmouth, UK

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Introduction
The 20th IEEE Int’l Conf. on Ubiquitous Intelligence and Computing (UIC2023) is a high-ranking conference, which will include a highly selective program of technical papers, accompanied by workshops, demos, panel discussions and keynote speeches. We welcome high quality papers that describe original and unpublished research advancing the state of the art in ubiquitous intelligence and computing.

IEEE UIC 2023 Topics

Track 1: Intelligent/Smart Object&Interaction
- AutoID technologies such as RFID/Beacon
- Embedded Chips, Sensors, and Actuators
- MEMS, NEMS, Micro and Biometric Devices
- Wearable Devices & Embodied Interaction
- Materials, Textiles, Fabrics, Furniture, etc.
- Embedded Software and Agents
- Interaction to Smart Objects and Devices
- Smart Object OS and Programming
- Novel Interaction Models for Smart Objects
- Self-explanatory Smart Objects

Track 2: Intelligent/Smart Object&Interaction
- Intelligent Traffic and Transportation
- Intelligent Energy Consumption
- Intelligent Environmental Protection
- Smart Healthcare and Active Assisted Living
- Smart Education and Learning
- Pervasive Games and Entertainment
- Smart Public Safety and Security
- Virtual Personal Assistants, Cognitive Expert

Track 3: Intelligent/Smart Systems & Services
- Sensor, Ad Hoc, and P2P Networks
- Wearable, Personal and Body Area Systems
- Smart Systems Programming Models
- Intelligent Services and Architectures
- Cognitive computing in ubiquitous systems
- Human Activity Recognition
- Adaptive, Autonomic & Context-aware Systems
- Autonomous Cars, Assistive Driving
- Big Data in Ubiquitous Systems
- Nature-inspired Intelligent Systems
- Knowledge Representation and Reasoning
- Chatbots, Cyborgs, Embodied Agents

Track 4: Personalization and Social Aspect
- Social Computing and Crowd Computing
- Mobile Crowd Sensing and Sourcing
- Affect/Emotion/Personality/Mind Computing
- Location-Based Social Networks
- Human Mobility Modeling and Mining
- Human Centered Computing
- Context-aware Computing
- Recommendation Systems for Ubiquitous Comp
- Human-centric Design & Sensing
- Socially Aware and Community-aware Systems
- Security, Privacy, Safety and Ethical & Legal Issues

Five Co-located Conferences
- The 2023 IEEE Autonomous and Trusted Vehicles Conference (ATC 2023)
- The 23rd IEEE Int’l Conf. on Scalable Computing & Communications (ScalCom 2023)
- The 2023 IEEE International Conference on Digital Twin (Digital Twin 2023)
- The 9th IEEE International Conference on Privacy Computing and Data Security (PCDS 2023)
- The 2023 IEEE International Conference on Metaverse (Metaverse 2023)

IEEE UIC 2023 Calls for
- Regular papers are limited to 8 pages that must be submitted electronically via the site ‘https://edas.info/N30499’
- Workshop and Special Session Proposals in smart world related all aspects
- Tutorial Proposals in addressing the emerging smart world areas

Accepted conference papers will be published by IEEE (IEEE-DL and EI indexed) in Conference Proceedings. The extended version of the selected papers will be recommended to prestige journal special issues.

IEEE UIC 2023 Website: https://ieee-smart-world-congress.org/uic-2023/