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The First International Conference on IoT-AI IoTAI 2024

June 30 - July 4, 2024 - Porto, Portugal

<http://www.aria.org/conferences2024/IoTAI24.html>

Important deadlines:

Submission (full paper)	March 24, 2024
Notification	May 4, 2024
Registration	May 21, 2024
Camera ready	May 31, 2024

Tracks:

IoT systems

IoT-based hardware and software infrastructures for emergency handling
IoT-based collaborative working
IoT-based emergency situational awareness
IoT decision support technologies
IoT-based microservices design for emergency
IoT-related HCI for disaster preparation
IoT and social-behavioral analysis of endangered people
IoT-robotics systems for disaster handling
IoT-based modeling and simulation for crisis and disaster situations

AI-based processing IoT systems

Sensing, networking, processing, and actuation for emergency management
Humans (people, emergency managers, developers, firefighters, etc.) in IoT systems
Disaster communication infrastructures, technologies, and services
Self-adaptation and self-adaptive architectures for disaster
Quality of Software-oriented disaster management IoT systems
Big data processing for hazards
Remote sensing and cyber-physical systems
Wireless networks-based solutions for disaster management

Cognitive IoT-AI aspects

Industrial IoT and cognitive robots

Drones monitoring and controlling
Deep-learning, biomimicry, and organ-on-chip
Driverless vehicles with route discovery and path recognition
Mobility and IoT for Smart Cities services
Smart energy management using big environmental data and IoT
IoT-based agricultural and autonomous systems for field and livestock operation
AI cognitive engines for self-driving networks
AI cognitive management in systems with slicing, virtualization, SDN/NFV, virtual RAN, and Cloud-RAN

Real-world applications and field studies

Models, solutions, applications, and lessons learned
Prediction and early warning systems
Crowd and queue management systems
Emergency traffic management systems
Indoor/outdoor emergency evacuation

AI-based prediction models

Archaeology
Astronomy
Biology
Economics
Education
Marketing
Medicine and Health Care
Risk Management
Social Sciences