THE FIRST INTERNATIONAL CONFERENCE ON COMPUTING, THE INTERNET OF THINGS AND MICROWAVE SYSTEMS
(ICCIMS 2024)

IEEE — Advancing Technology for Humanity

Scopus

UQO — UNIVERSITÉ DU QUÉBEC EN OUTAOUAIS

ABOUT THE CONFERENCE

The Organizing Committee invites you to the International Conference on Computing, Internet of Things, and Microwave Systems (**ICCIMS '24**). The conference is jointly organized by the Royal Military College of Canada (**RMC**) and the University of Quebec in Outaouais (**UQO**) and will take place at the UQO from **July 29th to 31st, 2024**.
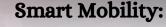
ICCIMS'24 aims to create an optimal platform for facilitating discussions, sharing experiences, and fostering collaboration among various well-established research groups specializing in Computing, Microwave, Millimeter-Wave (mmWave), Terahertz (THz) Communications, and Internet of Things (IoT). Furthermore, the conference will provide an exceptional opportunity for emerging researchers to embark on their publishing journey and effectively disseminate their valuable research contributions.

We cordially invite all authors to participate actively and contribute through their presentations, innovative research findings, and technological advancements. Your involvement will greatly enhance the overall success of ICCIMS'24

CONFERENCE TOPICS

1. Antennas & Propagation
- Antennas Systems: Theory, modelling, calibration and measurements
- Active antennas, reconfigurable antennas
- Phased Arrays
- Biophysics & radioprotection

2. Passive Components, Circuits and Subsystems
- Planar Passive Components and Circuits
- Non-Planar Passive Components and Circuits
- Planar Filters
- RF MEMS
- Metamaterials
- Emerging Technology
- Metallic materials

3. Active devices
- THz Components and Circuits
- Microwave Photonic Circuits and Systems
- Microwave Amplifier & Oscillator
- Wireless Power Transfer and Energy Harvesting
- Performance and Reliability of Components and Systems

4. Renewable Energy
- Efficiency and Policies
- Renewable Energy Sources and System Integration
- Wind Energy Systems
- Solar Energy Systems
- Emergent Renewables and Smart Grids
- Efficient Energy Management in Buildings
- Energy Efficiency / Components and Systems

5. Smart Cities & Smart Mobility
Smart Cities:
- Algorithms
- City Infrastructures
- Big Data Analytics
- Health care
- Smart Grid
- Decentralized and blockchain models
- Inclusive and Sharing Cities & Sustainable Buildings
- Video Monitoring Systems
- Automation, Robotics, and Control

Smart Mobility:
- Traffic Management and Engineering
- Smart Public Transportation
- Self-Driving Vehicles
- Communication Logistics
- Parking Management Systems & Economy of Smart Mobility
- Governance of Smart Mobility
- Cloud Computing Utilization

6. Integrated Microsystems
- MEMS (Micro Electro Mechanical Systems)
- Photonic Microsystems
- Lab-on-a-chip
- Bio Microfluidics, Microfluidics
- Micro Total Analysis Systems
- Novel Microfabrication Methods
- Integration of Microsystems for Bio Applications
- Micro-Nano Integration
- Bio Microsystems

7. Computer Science, Intelligent Systems and Information Technologies
- Engineering and Computational Intelligence
- Artificial Intelligence and Intelligent Systems
- Agents and Multi-Agent Systems
- Business Intelligence and Big Data
- Data Mining, Knowledge Representation, Discovery and
- Management
- Machine Learning
- Robotics and Embedded Systems
- Smart Wireless Sensors and Systems
- Security, Smart grids and Wireless network technologies
- E-Learning, Massive Open Online Courses (MOOC) and
- Educational Technology
- Serious Games
- Mobile, Cloud Computing and Virtualization
- Multimedia and Signal Processing
- Bioinformatics
- Quantum computing and post quantum cryptography
- Cyber Defense, & Cyber Security

SCAN

CONFERENCE DATE

JULY 29-31, 2024

organized by the Royal Military College of Canada (RMC) and the University of Quebec in Outaouais (UQO)

http://www.iccimcs.net

IMPORTANT DATES

- **PAPERS SUBMISSION DEADLINE** — APRIL 15TH, 2024
- **ACCEPTANCE NOTIFICATION** — MAY 6TH, 2024
- **CAMERA READY** — MAY 16TH, 2024
- **REGISTRATION DEADLINE** — JUNE 14TH, 2024

KEYNOTE SPEAKERS

ICCIMS — COMPUTING, INTERNET OF THINGS AND MICROWAVE SYSTEMS

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