

# IMCOM 2024

# 18

## International Conference on Ubiquitous Information Management and Communication

### January 03-05, 2024

### Kuala Lumpur, Malaysia

<http://www.imcom.org>

The conference proceedings are Scopus and EI indexed. Accepted papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements. **Selected papers** presented at the conference will be published after further improvement and revision at Special Issues in IEEE Access, WCMC, Oxford The Computer Journal, IEEE Transactions on Emerging Topics in Computing, IET Intelligent Transport Systems, along with 5 other SCI/SCIE journals.



#### General Information

This conference will constitute a forum for the presentation and discussion of latest results in the fields of information management, communication technologies and their implications on social interaction. The aim of such a forum, as an international conference, is conducive for encouraging the exchange of ideas and information, providing research directions in cutting-edge domains, and fostering collaborations between academia and industry. In this context, the program committee will accept a limited number of papers that meet the criteria of originality and presentation quality.

Two main tracks for information processing management and communication technologies will be held, covering both research and applicability aspects. Each of these topic areas is expanded below but their sub-topics are not listed exhaustively.

#### Information Processing Management

##### Information Management

- ✓ Internet search/ Security
- ✓ Portals/ UCC management
- ✓ Online communities
- ✓ Databases/ XML/ Data mining
- ✓ Information integration
- ✓ Information personalization
- ✓ O2O, W2W, B2B, and B2C

##### Intelligent Information Processing

- ✓ Machine learning/ Deep learning
- ✓ Computer vision/ Generative AI
- ✓ Situational awareness/ Contextual Intelligence
- ✓ Autonomous computing/ Self-adaptive systems
- ✓ Natural language processing/ Conversational AI
- ✓ Interactive intelligence/ Sentiment analysis
- ✓ Human-robot interaction / Cognitive AI
- ✓ Pattern recognition
- ✓ Expert system/ Knowledge graphs

##### Interaction Management

- ✓ Interaction systems/ Multimodal interaction
- ✓ AR/VR/Game
- ✓ Human-drone interaction
- ✓ Multimedia visualization
- ✓ Speech recognition and graphics
- ✓ Face recognition
- ✓ Pervasive computing
- ✓ Biometrics

#### Communications

##### Networking/ Telecommunications

- ✓ NextGen network protocols
- ✓ AI communications and networking
- ✓ Intelligent cross-layer optimization
- ✓ Reliability and quality assurance
- ✓ Industrial/healthcare/environmental IoT
- ✓ Cloud/edge/fog computing and services
- ✓ Deterministic/time-sensitive networking
- ✓ Network softwareization technologies
- ✓ Zero-touch orchestration
- ✓ Energy harvesting and green networking

##### Social Interaction

- ✓ Social computing/ Informatics/ Social web
- ✓ New communication media/ Virtual communication design
- ✓ Edutainment, Infotainment/ E-learning
- ✓ Mobile interaction
- ✓ Cyberpsychology/ Engineering psychology
- ✓ Cognitive Modelling, Architecture, Design
- ✓ User modeling
- ✓ Human-computer interaction/ Digital human
- ✓ Usability/ User Experience

#### Important Dates

Paper submission due: August 15, 2023  
 Paper acceptance notice: October 05, 2023  
 Paper registration due: October 20, 2023  
 Camera-ready papers due: November 15, 2023

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#### Submission Guidelines

**Regular Papers/Short Papers:** Camera-ready version of regular and short papers should not be longer than 8 and 4 pages in IEEE proceedings format, respectively. Accepted papers will be categorized into oral paper or poster paper. Both are included in IEEE Xplore Digital Library and considered for Journal recommendation. For guidelines on paper submissions, please refer to <http://www.imcom.org>

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