

# Call for Papers

## Multimedia over Wireless Symposium

*The 21<sup>st</sup> International Conference on Wireless Communications and Mobile Computing*

Website: <http://iwcmc.org/2025/>

Submission Link: <https://edas.info/newPaper.php?c=32919>

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### Scope

Recent advances in communications technologies have witnessed a growing and evolving multimedia content delivery market based on information gathering, manipulation, and dissemination. It is a fact that personal communications, computing, broadcasting, entertainment, etc. have turned into streams of multimedia content, and the various communication and network technologies have become the means to carry that content to a wide variety of terminals. Unlike traditional communication systems, a fundamental challenge for present and future communication systems is the ability to transport multimedia content over a variety of networks efficiently at different channel conditions and bandwidth capacities with various requirements of quality-of-service. There are many issues that need to be addressed, such as signal processing, collaborations, power management, flexible delivery, dynamic access, telecommunications, networking, etc., due to the multidisciplinary nature of the applications in advanced multimedia communications and services.

The goal of this symposium is to bring together the state-of-the-art research contribution that describes original and unpublished work addressing the new emerging techniques on multimedia communications and services.

### Topics

Accepted papers will be published in the IEEE IWCMC 2025 proceedings. Authors are welcome to submit papers with topics that include, but are not limited to:

- Multimedia Communications
- Cross-layer optimization strategies for wireless multimedia
- Cross-System optimization strategies for wireless multimedia
- Multimedia services in next generation networks
- Wireless multimedia sensor networks
- Multimedia applications for service-oriented computing
- Mobile, peer-to-peer and pervasive multimedia services in clouds

- P2P Multimedia for autonomic wireless infrastructures
- Novel wireless and mobile multimedia applications and services
- Security issues for Internet multimedia streaming
- Multimedia streaming data broadcasting systems
- Multimedia indexing, processing and retrieval
- Content-aware multimedia distribution
- Multimedia and multimodal interaction models
- Trusted computing in wireless multimedia systems
- MIMO techniques for multimedia delivery
- Distributed source coding, and lightweight multimedia encoding techniques
- Secure multimedia streaming and transmission, QoS and admission control
- Semantic annotation for multimedia streams processing and management
- Protocols for supporting real-time and reliable multimedia streaming
- New middleware, system, and underlying infrastructure
- Joint multimedia processing and communication solutions
- Capacity modeling, performance analysis, and theoretical analysis
- Multimedia aggregation and fusion, and multimedia sensor coverage
- Multimedia traffic on cognitive radio networks
- In-network and distributed storage techniques
- Low-bit rate and energy-efficient multimedia source coding
- Energy-efficient multimedia gathering, transmission, traffic management
- Context/content aware approaches for facilitating multimedia streaming
- IPTV, 3DTV, and mobile TV-related efforts
- Enabling multimedia capability in E-healthcare, smart house, etc.
- Frontiers in game theory and multimedia systems
- Ubiquitous and “green” multimedia design next-generation networks
- Energy-efficient and scalable control in next-generation wireless video terminals
- Multimedia communications in new emerging systems
- Collaborative in-network processing
- Distributed coding and joint source-channel coding
- Resource allocation and system scheduling

Submitted papers are encouraged to address novel technical challenges or industrial and standard aspects of the key technologies related to the conference theme(s).

## **Important Dates**

Deadlines follow the main conference announced dates.

Note: Within this Symposium, there will be one Best Paper Award.