Call for Papers

Multimedia over Wireless Symposium

The 16th International Conference on Wireless Communications and Mobile Computing
IWCMC 2020

IWCMC 2020 Website: http://iwcmc.org/2020/

Submission Link: https://edas.info/newPaper.php?c=26206

Byblos, Lebanon

June 29 — July 3, 2020

Technically sponsored by: IEEE and IEEE Lebanon Section

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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The goal of this symposium is to bring together the state-of-the-art research contribution that describes original and unpublished work addressing the new emerging techniques on multimedia communications and services.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 2020 proceedings and will be submitted to the IEEE digital library (IEEE Xplore). 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

Important Dates

Submission:	February 10, 2020
Acceptance notification:	March 30, 2020
Camera-ready paper submissions:	April 30, 2020

Submission Guidelines

Prospective authors are invited to submit original technical papers—up to 6 pages of length, using the EDAS link: https://edas.info/newPaper.php?c=26206 for possible publication in the IWCMC 2020 Conference Proceedings, which will be submitted to the IEEE Xplore. Selected papers will further considered for possible publication in three special issues in the following Journals. For more information, visit: http://iwcmc.org/2020/

1. The International Journal of Sensor Networks (IJSNet)
   http://www.inderscience.com/browse/index.php?journalCODE=ijsnet
2. The International Journal of Autonomous and Adaptive Communications Systems (IJAACS)
   http://www.inderscience.com/jhome.php?jcode=ijaacs
3. KSII Transactions on Internet and Information Systems: http://www.itiis.org/
4. Peer-to-Peer Networking & Applications:
   http://www.springer.com/engineering/signals/journal/12083
5. Cyber-Physical Systems journal: www.tandfonline.com/loi/tcyb20

Note: There will be best paper award, best Symposium award and best Workshop award.

TPC Members (TBD)