

**Call for Papers**  
**Multimedia over Wireless Symposium**  
*The 11<sup>th</sup> International Wireless Communications & Mobile Computing*  
Dubrovnik, Croatia, August 24-27, 2015

IWCMC 2015 Website: <http://iwcmc.org/2015/>  
Submission Link: <https://edas.info/newPaper.php?c=17297>

*Technically sponsored by: IEEE*

*Technically sponsored by: IEEE Croatia Section*

*Local sponsor: University of Dubrovnik, Croatia*

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The goal of this symposium is to bring together the state-of-the-art research contribution that describes original and unpublished work addressing the new emerging techniques on multimedia communications and services.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 of interest include, but are not limited to, the following scopes:

- 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

A submission is 5 standard IEEE conference page; one more paper may be allowed with additional publication fee.

### **Important dates**

- Paper Submission Deadline: 15 January 2015
- Paper Acceptance Notification: 15 April 2015
- Camera-ready Paper Submissions: 10 May 2015
- Registration Deadline for Authors: 10 May 2015

### **Symposium Chairs**

**Liang Zhou**, Nanjing University of Posts and Telecommunications, China

[liang.zhou@njupt.edu.cn](mailto:liang.zhou@njupt.edu.cn)

**Dalei Wu**, The University of Tennessee at Chattanooga, USA; [dalei-wu@utc.edu](mailto:dalei-wu@utc.edu)

**Wei Wang**, San Diego State University, USA; [wei.wang@sdsu.edu](mailto:wei.wang@sdsu.edu)

**Honggang Wang**, UMass Dartmouth, USA, [hwang1@umassd.edu](mailto:hwang1@umassd.edu)

## **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=17297> for possible publication in the IWCMC 2015 Conference Proceedings. All accepted and presented papers will appear in the IEEE Xplore. Selected papers will further be considered for possible publication in five special issues in the following Journals. For more information, please visit: <http://iwcmc.org/2015>

1. Wiley Journal of Wireless Communications and Mobile Computing (WCMC)  
<http://www3.interscience.wiley.com/journal/76507157/home>
2. The International Journal of Sensor Networks (IJSNet)  
<http://www.inderscience.com/browse/index.php?journalCODE=ijsnet>
3. The International Journal of Autonomous and Adaptive Communications Systems (IJAACS): <http://www.inderscience.com/ijaacs>
4. KSII Transactions on Internet and Information Systems: <http://www.itiis.org>
5. Peer-to-Peer Networking & Applications:  
<http://www.springer.com/engineering/signals/journal/12083>

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

## **Tentative List of TPC Members**

Prof. Manfred Hauswirth (Digital Enterprise Research Inst., Ireland)  
Prof. Athanasios Vasilakos (University of Western Macedonia, Greece)  
Prof. Yang Xiao (University of Alabama, USA)  
Prof. Jean-Pierre Seifert (Technical University of Berlin, Germany)  
Prof. Zhu Li (Hong Kong Polytechnic University, China)  
Prof. Min Chen (Seoul National University, Korea)  
Prof. Lei Wang (Dalian University of Technology, China)  
Prof. Tomoki Yoshihisa (Osaka University, Japan)  
Dr. Shiguang Lian (France Telecom Beijing R&D, China)  
Dr. Wanqing Tu (Glyndwr University, UK)  
Prof. Xiaodong Lin (University of Ontario Institute of Technology, Canada)  
Prof. Xiaohua Jia (City University of Hong Kong, China)  
Prof. Yan Zhang (Simula Research Laboratory, Norway)  
Dr. Sudip Misra (Indian Institute of Technology, India)  
Prof. Jiming Chen (Zhejiang University, China)  
Prof. Joel Rodrigues (University of Beira Interior, Portugal)  
Prof. Shiwen Mao (Auburn University, USA)  
Prof. Laurence T. Yang (St. Francis Xavier University, Canada)  
Prof. Akimitsu Kanzaki (Osaka University, Japan)  
Prof. Longbing Cao (University of Technology Sydney, Australia)

Prof. Pascal Lorenz (University of Haute Alsace, France)  
Prof. Hwangjun Song (Pohang University of Science and Technology, Korea)  
Dr. Hyunggon Park (EPFL, Switzerland)  
Prof. Habib M. Ammari (Hofstra University, USA)  
Dr. Henry Chan (Hong Kong Polytechnic University, China)  
Prof. Hui Chen (Virginia State University, USA)  
Dr. Wewei Fang (Beijing Jiaotong University, China)  
Prof. Martin Reisslein (Arizona State University, USA)  
Prof. Lawrence Yeung (Hongkong University, China)  
Dr. Yiyang Zhang (Korea University, Korea)  
Dr. Zhangbing Zhou (Digital Enterprise Research Inst., Ireland)  
Prof. Guangjie Han (Hohai University, China)  
Dr. Kai Lin (Dalian University of Technology, China)  
Prof. Tomoko Yoshihisa (Osaka University, Japan)  
Prof. Jaime Lloret Mauri (Polytechnic Univ. of Valencia, Spain)  
Dr. Jingli Li (TopWorx, Emerson Electric Co. Ltd., USA)  
Dr. Chonggang Wang (NEC Lab. America)  
Prof. Gabriel-Miro Muntean (Dublin City University, Ireland)  
Prof. Cheng-Xiang Wang (Heriot-Watt University, Edinburgh, UK)  
Prof. Cheng Li (Memorial University of Newfoundland, Canada)  
Prof. Jen-Wen Ding (National Kaohsiung University of Applied Science, Taiwan)