

CALL FOR PAPERS

SPECIAL SESSION: MULTIMEDIA CONTENT ANALYSIS AND REPRESENTATION

The International Conference on Wireless Networks and Mobile Communication WINCOM'22
October 26-29, 2022. Rabat, Morocco.

https://www.wincom-conf.org/WINCOM_2022/

IMPORTANT DATES

- Paper Submission: 30 June 2022
- Acceptance Notification: 20 August 2022
- Camera Ready & Registration: 15 September 2022

Submission link for MICARE: <https://edas.info/newPaper.php?c=29328&track=112608>

MICARE Special Session

A heartbeat. That is what multimedia represents for any mobile system. Text, audio, images and videos are of a paramount importance for all kinds of users, and are hugely transmitted over mobile networks. Also, transition from 3rd generation (3G) to 4th generation (4G) and eminently to 5th generation (5G) raises hopes for better multimedia content transmission in terms of quality, bandwidth, delay and error rate. However, fulfilling these requirements do not depend only on the mobile communication infrastructure, but also on the media content itself. Encoding, compression, modeling and, more generally, representation of the multimedia content is a milestone and key component of a successful user experience. The aim of MICARE (**M**ult**I**media **C**ontent **A**nalysis, and **R**epresentation) special session is to highlight the problems and challenges of multimedia content analysis, and to bring together researchers in the field of signal (image, audio, video, ...) processing along with researchers in the fields of mobile communication and wireless networks to discuss, exchange ideas and broaden their respective scopes.

The topics of interest of the special session include, but are not limited to:

- Object recognition
- Shape, Illumination, Shading and Texture
- Data-Driven Geometry, Lighting, and Materials
- 3D reconstruction
- 3D face analysis and facial rigging
- 3D navigation and interfaces
- 3D imaging, visualization, animation, virtual reality and 3DTV
- Multimedia indexing, search, retrieval and browsing on the Web
- Multimedia content analysis and understanding
- Advanced descriptors and similarity metrics for Multimedia
- Multimedia communication, networking, and mobility

Multimedia vision, security, content protection and forensics
Multimedia quality assessment
Multimedia summarizing and visualization
Feature extraction and selection
Classification and clustering
Image/video enhancement and segmentation
Color, texture and motion analysis
Image/video compression, coding and watermarking
Tracking and real-time imaging
Pattern recognition
Machine learning
Medical imaging
Big data for multimedia analytics
Natural Language Processing

WINCOM 2022

The international conference on wireless networks and mobile communications (WINCOM'22), examines last advances in the areas of wireless networks and mobile communications with the aim to provide an engaging forum for researchers as well as professionals in order to discuss the big challenges of the field. The 9th edition of WINCOM will be held in Rabat, Morocco on October 26-29, 2022.

Paper submission

Papers should contain original material, which is not currently under review in any other conference or journal and has not been previously published. All submissions should be written in English with a maximum paper length of six (devil) printed pages standard IEEE conference two-column format (minimum 10-point font) including figures, without incurring additional page charges (maximum 2 additional pages, with over length page fee).

All submitted papers will go through a peer review process. Questions about paper submissions or the conference program can be addressed to any of the Program Chairs. Standard IEEE Transactions templates for Microsoft Word or LaTeX formats can be found at:

http://www.ieee.org/conferences_events/conferences/publishing/templates.html

Only PDF files will be accepted for the review process and all submissions must be done through EDAS online submission system: <https://edas.info/newPaper.php?c=29328&track=112608>

You are invited to submit papers in all areas of wireless communications networks.

- **Accepted and presented papers will be published in the conference proceedings and submitted to IEEE Xplore as well as other Abstracting and Indexing (A&I) databases.**
- **Papers of particular merit will be recommended for a possible special issue in an international journal.**
- **There will also be best papers awards. The WINCOM Proceedings have been indexed in the past by ISI, dblp and Scopus.**

Co-chairs

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