



IWCIM 2022

The 10th International Workshop on Computational Intelligence for Multimedia Understanding

at the 14th International Conference on Computational Collective Intelligence (ICCI 2022)

Hammamet, Tunisia, September 28-30, 2022

Conference website: <http://www.icci.pwr.edu.pl/>

Workshop website: <https://iwcim.itu.edu.tr/>

Special Session Organizers

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Objectives and topics

Multimedia understanding is an essential part of many intelligent applications in our social life, be it in our households, or in commercial, industrial, service, and scientific environments. Analyzing raw data to provide them with semantics is essential to exploit their full potential and help us manage our everyday tasks. Nowadays, raw data usually come from a host of different sensors and other sources, and are different in nature, format, reliability and information content. Multimodal and cross-modal analysis are the only ways to use them at their best. Besides data analysis, this problem is also relevant to data description intended to help storage and mining. Interoperability and exchangeability of heterogeneous and distributed data is a need for any practical application. Semantics is information at the highest level, and inferring it from raw data (that is, from information at the lowest level) entails exploiting both data and prior information to extract structure and meaning. Computation, machine learning, statistical and Bayesian methods are tools to achieve this goal at various levels.

The scope of IWCIM 2022 includes, but is not limited to the following topics:

- Multisensor systems
- Multimodal analysis
- Crossmodal data analysis and clustering
- Mixed-reality applications
- Activity and object detection/recognition
- Text and speech recognition
- Multimedia labeling, semantic annotation, and metadata
- Multimodal indexing and searching in very large data-bases
- Big and Linked Data
- Search and mining Big Data
- Large-scale recommendation systems
- Multimedia and Multi-structured data
- Semantic web and Linked Data
- Cloud Optimization
- Case studies

Important dates

Submission of papers: **March 15, 2022**
Notification of acceptance: **April 15, 2022**
Camera-ready papers: **May 1, 2022**
Registration & payment: **June 1, 2022**
Conference date: **September 28-30, 2022**

Program Committee (to be invited)

- Enis Cetin, UIC, USA
- Michal Haidl, Institute of Information Theory and Automation of the CAS, Prague, Czech Republic
- Andras L. Majdik, MTA SZTAKI - Institute for Computer Science and Control, Hungarian Academy of Sciences, Budapest, Hungary
- Cristina Ribeiro, INESC TEC- Faculty of Engineering, University of Porto, Porto, Portugal
- Emanuele Salerno, Institute of Information Science and Technologies, National Research Council of Italy (CNR), Pisa, Italy
- Ales Prochazka, University of Chemistry and Technology, Prague, Czech Republic
- Anna Tonazzini, Institute of Information Science and Technologies, National Research Council of Italy (CNR), Pisa, Italy
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- Gerasimos Potamianos, University of Thessaly, Greece
- Gorkem Saygili, Tilburg University, Department of Cognitive Science and Artificial Intelligence, the Netherlands
- Josiane Zerubia, INRIA, France
- Maria Antonietta Pascali, Institute of Information Science and Technologies, National Research Council of Italy (CNR), Pisa, Italy
- Marie-Colette Vanlieshout, CWI, Amsterdam, Netherlands
- Marco Reggiannini, Institute of Information Science and Technologies, National Research Council of Italy (CNR), Pisa, Italy
- Nahum Kiryati, Tel Aviv University, Israel
- Rozenn Dahyot, Trinity College Dublin, Ireland
- Sara Colantonio, Institute of Information Science and Technologies, National Research Council of Italy (CNR), Pisa, Italy
- Shohreh Ahvar, Institut Supérieur d'Électronique de Paris (ISEP), Paris, France
- Tamás Szirányi, MTA SZTAKI - Institute for Computer Science and Control, Hungarian Academy of Sciences, Budapest, Hungary

Submission

All contributions should be original and not published elsewhere or intended to be published during the review period. Authors are invited to submit their papers electronically in pdf format, through EasyChair. All the special sessions are centralized as tracks in the same conference management system as the regular papers. Therefore, to submit a paper please activate the following link and select the track: **IWCIM 2022: *International Workshop on Computational Intelligence for Multimedia Understanding***.

<https://easychair.org/conferences/?conf=iccci20220>

Authors are invited to submit original previously unpublished research papers written in English, of up to 13 pages, strictly following the LNCS/LNAI format guidelines. Authors can download the Latex (recommended) or Word templates available at [Springer's web site](#). Submissions not following the format guidelines will be rejected without review. To ensure high quality, all papers will be thoroughly reviewed by the **IWCIM 2022 Program Committee**. All accepted papers must be presented by one of the authors who must register for the conference and pay the fee. The conference proceedings will be published by Springer in the prestigious series LNCS/LNAI (indexed by ISI CPCI-S, included in ISI Web of Science, EI, ACM Digital Library, dblp, Google Scholar, Scopus, etc.).