



12th International Conference on Computational Collective Intelligence ICCCI 2020

30 November – 3 December 2020, Da Nang, Vietnam



IWCIM 2020

International Workshop on Computational Intelligence for Multimedia Understanding

at the 12th International Conference on Computational Collective Intelligence (ICCCI 2020)

Da Nang, Vietnam, 30 November - 3 December 2020

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

Workshop Organizers

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Objectives and topics

The International Workshop on Computational Intelligence for Multimedia Understanding (IWCIM) is the annual workshop organized by the working group Multimedia Understanding through Semantics, Computation and Learning (MUSCLE) of the European Research Consortium for Informatics and Mathematics (ERCIM). This year, IWCIM takes place as a satellite workshop to ICCCI'2020.

Multimedia understanding is an important 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 managing our everyday tasks. Nowadays, raw data normally 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 2020 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 and 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
- Case studies

Important dates

Due to the COVID-19 pandemic the conference date was postponed to 30 November - 3 December 2020
The second round of submitting and reviewing is organized:

Submission of papers: **15 May 2020**
Notification of acceptance: **15 June 2020**
Registration & payment: **1 July 2020**
Camera-ready papers: **15 July 2020**
Conference date: **Nov. 30 - Dec. 3, 2020**

Program Committee (to be invited)

Enis Cetin, Bilkent University, Turkey and UIC, USA
Michal Haindl, 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
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Tamás Szirányi, SZTAKI - Institute for Computer Science and Control, 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 2020: International Workshop on Computational Intelligence for Multimedia Understanding***.

<https://easychair.org/conferences/?conf=iccci20200>

Authors are invited to submit original previously unpublished research papers written in English, of up to 12 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 2020 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.).