IWCIM 2018

6th International Workshop on Computational Intelligence for Multimedia Understanding

at the 11th International Conference on Multimedia & Network Information Systems (MISSI 2018)
Wrocław, Poland, September 12-14, 2018

Conference website: **https://missi.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 MISSI-2018, to be held in Wroclaw, Poland, on September 12-14, 2018.

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 2018 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

Program Committee

Enis Cetin, Bilkent University, Turkey, and UIC, USA
Yousra Chabchoub, ISEP, Paris, France
Raja Chiky, ISEP, Paris, France
Michal Haindl, UTIA, Prague, Czech Republic
Sylvain Lefebvre, ISEP, Paris, France
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Montse Pardas, Universitat Politècnica de Catalunya, Barcelona, Spain
Cristina Ribeiro, University of Porto, Porto, Portugal
Emanuele Salerno, CNR, Pisa, Italy

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 workshop track: **IWCIM 2018: 6th International Workshop on Computational Intelligence for Multimedia Understanding.**

https://easychair.org/conferences/?conf=missi2018

Authors are invited to submit original previously unpublished research papers written in English, of up to 10 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 MISSI 2018 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.).