

International Workshop on Computational Intelligence for Multimedia Understanding 2019

Collocated with:

[SITIS 2019 - The 15th International Conference on SIGNAL IMAGE TECHNOLOGY & INTERNET
BASED SYSTEMS](#) 26-29 November, 2019 - Sorrento, Italy

Scope of the Workshop:

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 SITIS 2019, to be held in Sorrento, Italy, on November 26-29, 2019. 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

Topics of IWCIM 2019 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 databases
- 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:

Submission deadline: September 9, 2019

Acceptance/Reject notification: October 19, 2019

Camera-ready: October 25, 2019

Author Registration: October 26, 2019

Submission:

Each submission should be at most 8 pages in total including bibliography and well-marked appendices and must follow the IEEE double columns publication format.

You can download the IEEE conference templates - Latex and MS Word A4 - at the following URL:

<https://www.ieee.org/conferences/publishing/templates.html>

Paper submission will only be online via: [EasyChair](#).

Only pdf files will be accepted. Submissions not meeting these guidelines risk rejection without consideration of their merits. All submitted papers will be carefully evaluated based on originality, significance, technical soundness, and clarity of expression by at least two reviewers. The organizers will examine the reviews and make final paper selections.

Publication:

All the papers accepted for the workshop will be included in the conference proceedings. The proceedings will be published by [IEEE Computer Society](#). Content will be submitted to the indexing companies for possible indexing. They will be available at the conference.

Registration:

At least one author of each accepted paper must register for the workshop. Workshop registration fee is determined by SITIS. A single registration for the workshop or the conference allows attending both events.

Workshop Co-Chairs:

Behçet Uğur Töreyn, Informatics Institute, Istanbul Technical University, Istanbul, Turkey

Maria Trocan, Institut Supérieur d'Électronique de Paris (ISEP), Paris, France

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Program and organization committee:

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