11th International Workshop on Computational Intelligence for Multimedia Understanding

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Around fifty researchers attended the International Workshop on Computational Intelligence for Multimedia Understanding (IWCIM), organized annually by the working group Multimedia Understanding through Semantics, Computation and Learning (MUSCLE) of the European Research Consortium for Informatics and Mathematics (ERCIM), which took place as a satellite workshop of IEEE ICASSP 2023 held in Rhodes, Greece, June 5, 2023. This year's workshop was also a huge success as previous venues with two oral sessions and one poster session, hosting eighteen papers authored by seventy-three researchers affiliated with nineteen institutions coming from twelve countries.

Multimedia understanding is an integral part of many intelligent applications in our social life, whether 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 typically come from a host of different sensors and other sources and are differ-ent 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 knowledge to extract structure and meaning. Computation, machine learning, statistical and Bayesian methods are tools to achieve this goal at various levels. The MUSCLE working group through IWCIM aims to address these emergent topics by growing a community of scientists and practitioners from the academy and industry. The mission is still ongoing. In particular, the twelfth IWCIM is anticipated to be organised in conjunction with IEEE - ISCAS 2024, to be held in Singapore on May 19-22, 2024.

The IWCIM 2023 website is hosted by Istanbul Technical University, and full-text papers may be accessed via IEEExplore.
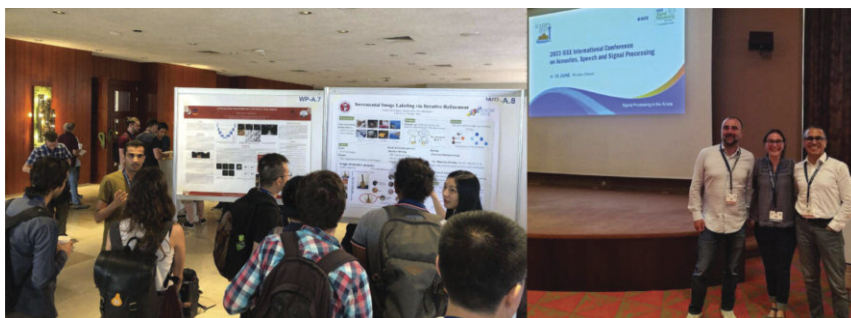
Links:
http://wiki.ercim.eu/wg/MUSCLE/
http://iwcim.itu.edu.tr

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Highlights from the poster session and the workshop chairs.

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