

The enormous amount of artifacts and information from the past is increasingly and rapidly digitized. However, the valuable information contained in these data is not easy to exploit, and some analysis is needed. On the other hand, the digital representations of real objects require some manipulation. Recent machine learning and pattern recognition algorithms allow the analysis and manipulation of the acquired data to exploit the contained information better and generate the best digital representation.

This workshop presents recent advances in Pattern Recognition (PR) techniques for data analysis and representation in the cultural heritage field. Bringing together the work of many experts in this multidisciplinary subject to highlight these advances from a wide-angle perspective, as well as to stimulate new theoretical and applied research to better characterize the state of the art in this subject.

The workshop will be held on **11<sup>th</sup> September 2023**, in conjunction with the 22<sup>nd</sup> International Conference on Image Analysis and Processing (ICIAP2023), which will be held from 11<sup>th</sup> to 15<sup>th</sup> September 2023 in Udine, Italy.

#### Topics include, but are not limited to the following

- Digital artifact capture, representation, and manipulation
- Automatic annotation of tangible and intangible heritage
- Interactive software tools for cultural heritage applications
- Multimedia music classification and reconstruction
- Image processing, classification, and retrieval
- Machine Learning for Cultural Heritage
- Semantic segmentation
- Serious Game for Cultural Heritage
- Robotic applications
- Ontology Learning for the cultural heritage domain

#### Dates and chairs

- Submission deadline: ~~June 23rd, 2023~~ **July 12<sup>th</sup>, 2023**
- Author notification: July 25<sup>th</sup>, 2023
- Camera-ready Submission: July 31<sup>st</sup>, 2023
- Finalized workshop program: August 21<sup>st</sup>, 2023
- Workshop day: September 11<sup>th</sup>, 2023

#### Proceedings and Special Issue

Accepted papers will be included in the ICIAP 2023 Workshop Proceedings, which will be published by Springer in the Lecture Notes in Computer Science (LNCS). All papers to appear in the proceedings must follow the instructions set forth by Springer for the "preparation of proceedings papers published in the LNCS".

Authors of selected high-quality papers will be invited to submit substantially extended versions for a Special Issue in an international journal of at least the Q2 quartile, with which we are still negotiating at the moment.

#### Chairs and Contact Information

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