

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 and stimulate new theoretical and applied research to better characterize this subject's state of the art.

The workshop will be held on **21 August 2022** (*to be confirmed*), in conjunction with the 26th International Conference on Pattern Recognition (ICPR2022), which will be held from 21 to 25 August 2022 in Montréal, Québec.

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

- Ancient document analysis
- 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
- Augmented and Virtual Reality applications
- Image processing, classification and retrieval
- Machine Learning for Cultural Heritage
- Semantic segmentation
- Serious Game for Cultural Heritage
- Robotic applications
- Ontology Learning for cultural heritage domain

### Dates and chairs

- Submission deadline: **May 15th, 2022**
- Author notification: June 15th, 2022
- Camera-ready Submission: July 1st, 2022
- Finalized workshop program: August 1st, 2022
- Workshop day: August 21, 2022 (to be confirmed)

### Proceedings and Special Issue

Accepted papers will be included in the ICPR 2022 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 to a Special Issue of the Journal of Imaging (MDPI). While only five of the best papers will be eligible for a reserved space in the Journal on Computing and Cultural Heritage (ACM).

### Chairs and Contact Information

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