

Machine Learning and Deep Learning in Cultural Heritage

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Message from the Guest Editors

Dear colleagues,

Machine and Deep Learning (ML & DL) are two powerful tools that are transforming the face of many sectors. These subdisciplines of Artificial Intelligence (AI) prepare computers for highly complex tasks, such as classification and feature extraction orientated towards more efficient decision making.

Cultural Heritage (CH) is an invaluable field that could greatly benefit from these techniques. Thus, AI could automate fundamental components of CH management, including diagnostics and preservation strategy planning. Efficient and accurate modern AI methods additionally provide powerful tools for analytical as well as didactic techniques. Moreover, ML & DL excel in the processing of large and complex data, removing a significant degree of error regarding human subjectivity.

We encourage you to contribute in this Special Issue by submitting articles on your recent research works. In addition, the most exciting and innovative papers related to ML & DL presented at the “CIPA 2019—Documenting the Past for a Better Future” symposium will be selected to be extended and included in this Special Issue.



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