Advanced Data Environment in Current Cultural Heritage 3D Digitization Practices

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Message from the Guest Editors

CH studies are at the crossroads of many disciplines, including heritage sciences and data sciences. This Special Issue focuses on the methods to improve data management throughout the workflows leading to the creation of a digital heritage asset or corpus, exploiting 2.5D- and 3D-based digital capture techniques. Original research, review articles, case studies, and research or papers focusing on the key role of data management involving digitization frameworks or digitized CH assets are accepted. Papers focusing on related issues of sustainability, digital sobriety, and cost-effective technologies to reduce the data weight in the energy crisis are also welcome.

This Special Issue will welcome manuscripts that link the following themes:

- 3D data capture for manageable heritage data;
- Range and image-based 3D reconstruction for digital documentation efficiency;
- Multimodality and data integration;
- Data science;
- Metadata and paradata;
- 3D-based information systems;
- CH data organization;
- Semantics for CH data organization.

Special Issue