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Image-Based Modeling for 3D Metric Representation of Cultural Heritage Environment

Guest Editors:

Dr. Massimiliano Pepe
Department of Sciences and Technologies (DIST), University of Naples "Parthenope", Centro Direzionale Is. C4, 80143 Naples, Italy

Dr. Francesco Soldovieri
National Research Council of Italy (CNR), Institute for Electromagnetic Sensing of the Environment (IREA), Via Diocleziano 328, 80124 Naples, Italy

Deadline for manuscript submissions:
closed (31 January 2019)

Message from the Guest Editors

Dear Colleagues,

Image-Based Modeling (IBM) for the digital representation of Cultural Heritage (CH) is becoming more and more widespread. This Special Issue aims at showcasing the latest advances, trends and best practices of the IBM in order to produce 3D Point Clouds or 3D textured models in a Cultural Heritage environment, taking into account even of the recent technological developments of terrestrial, aerial and satellite platforms. Therefore, research articles addressing the following (not exhaustive) list of topics are invited:

- Image matching algorithms;
- 3D reconstruction in CH environment using images generated by Very High Resolution (VHR) satellite;
- 3D reconstruction in CH environment using images generated by passive sensors mounted on UAV or airborne platform;
- 3D reconstruction in CH environment using images generated by passive sensors in terrestrial survey;
- Integration of 3D datasets generated by different passive sensors or platforms in CH environment;
- Open-source and free algorithms for 3D modeling with application in CH environment.

Dr. Massimiliano Pepe
Dr. Francesco Soldovieri
Guest Editors

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