Special Session

IoT and Cultural Heritage Protection

Organizers: Patrikakis Charalampos (University of West Attica, Greece) and Roberto Minerva (Institute Mines Telecom – Telecom Sud Paris, France)

Call for Papers

Cultural Heritage initiatives are trying to exploit new digital technologies in order to achieve two main objectives: the conservation and preservation of the Cultural Heritage and the possibility to acquire new knowledge and data applying AI techniques. IoT opens a wealth of new possibilities in the exploitation of Cultural Heritage information and artifacts. New relationships between artifacts can be created, controlled and exploited, new services on top of them can be built and objects themselves can be organized in such a way to enable the creation of virtual environments reflecting the current status and explaining the history of objects.

This Special Session is devoted to new approaches, technologies, tools, services and solutions aiming at protecting, leveraging, preserving and exploiting the Cultural Heritage by means of the newest technologies of IoT, Cyber Physical Systems and M2M. Topics of interest include but are not limited to:

- Tools and systems for protecting and preserving Cultural Heritage
- Sensing and monitoring of remote areas with low or scarce connectivity
- Crowdsensing and user involvement in Cultural Heritage protection and exploitation
- Analysis and data mining techniques for Cultural Heritage protection and exploitation
- Urban Cultural Heritage protection and exploitation in the context of Smart Cities
- Content extraction, duplication and conservation of Cultural Heritage Artifacts
- Data mining and Big Data for Cultural Heritage preservation

Prospective authors are invited to submit high-quality original technical papers following the rules of the Main Tracks of GIIS 2018 for presentation at the conference and publication in the GIIS 2018 Proceedings and IEEE Xplore, using EDAS, at https://www.edas.info/newPaper.php?c=24414&track=92775.

Important dates

Paper submission deadline: **August 19, 2018 (extended, firm)**
Notification of paper acceptance: **September 5, 2018**
Camera Ready Papers: **September 15, 2018**