



Global Information Infrastructure and Networking Symposium (GIIS 2018)

October 23-25, Thessaloniki, Greece



IEEE



collocated
with



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**

Website: <http://giis-2018.org>

Email: info@giis-2018.org

GIIS 2018 Organizing Committee

General Chairs

Periklis Chatzimisios, ATEITHE, Greece & Bournemouth University, UK

Kostas Katsalis, Huawei Technologies, Germany

Toktam Mahmoodi, King's College London, UK

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Kan Zheng, Beijing University of Posts & Telecom., China

Walid Saad, Virginia Tech, USA

Chuan Heng Foh, University of Surrey, UK

Athanasios D. Panagopoulos, NTUA, Greece

Track 1: Next Generation Networking and Communications

Gunes Karabulut Kurt, Istanbul Technical University, Turkey

Sergey Andreev, Tampere University of Technology, Finland

Nadjib Aitsaadi, University Paris Est, France

Track 2: Internet of Things

Jesus Alonso-Zarate, CTTC, Spain

Shahid Mumtaz, Instituto de Telecomunicacoes, Portugal

Marios Angelopoulos, Bournemouth University, UK

Track 3: Emerging Topics in Communications and Networking

Anna Tzanakaki, University of Bristol, United Kingdom

Nizar Zorba, Qatar University, Qatar

Syed Hassan Ahmed, University of Central Florida, Orlando, USA

Track 4: Communication Services, Standardization and Telecom Policies

Konstantinos Samdanis, Huawei Technologies, Germany

Symeon Chatzinotas, University of Luxembourg, Luxembourg

Anwer Al-Dulaimi, EXFO, Canada

Special Session Chairs

Constandinos Mavromoustakis, University of Nicosia, Cyprus

Georgios Z. Papadopoulos, IMT Atlantique, France

Florian De Rango, University of Calabria, Italy

Tutorial and Panel Chairs

Stefano Giordano, University of Pisa, Italy

Charalampos Patrikakis, University of West Attica, Greece

Industry Chairs

Marios Kountouris, Huawei Technologies, France

Dilip Krishnaswamy, IBM, India