

WORKSHOP

SCIENCE: Spaceborne SAR Interferometry as a Non-invasive tool to assess the vulnerability over Cultural Heritage sites.

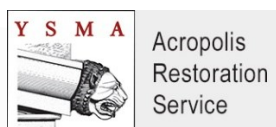
THURSDAY MAY 11, 2023

NTUA Multimedia Auditorium (University Library)

Arrival Time 09:00



PROJECT PARTNERS



FREE ENTRANCE



AGENDA

- 09.30 – 11.20** **1st Session Presidium: Elefteriou V., Loupasakis C.**
- 09.30 - 10.00** **Welcome and Opening – Parcharidis I., Prof., Harokopio University of Athens.**
- 10.00 - 10.20** **SCIENCE: A bilateral research project “Greece- China”, Parcharidis I., Prof., Harokopio University of Athens.**
- 10.20 – 10.40** **SCIENCE empowers SDG 11: architectural heritage monitoring and diagnosis using InSAR technologies, Meng ZHU, Dr., Aerospace Information Research Institute, Chinese Academy of Sciences.**
- 10.40 – 11.00** **A New Platform to Serve the Conservation and Management of UNESCO Designated Sites, Mrs. Sijia HUO, International Centre on Space Technologies for Natural and Cultural Heritage under the Auspices of UNESCO.**
- 11.00 – 11.20** **Coffee Break**
- 11.20 – 13.20** **2nd Session Presidium: Kanaki E., Parcharidis I.**
- 11.20 – 11.40** **The restoration project of the Acropolis monuments and the systems for instrumental monitoring of movement and deformation. Eleftheriou V., Director of the Acropolis Restoration Service (YSMA).**
- 11.40 – 12.00** **Brief presentation of the active walls of Heraklion, Sythiakaki V., Director of Ephorate of Antiquities of Heraklion and Kanaki E., Head of the Byzantine & Post-Byzantine Antiquities & Museums Department of the Heraklion Ephorate of Antiquities.**
- 12.00 – 12.20** **Introduction to SAR interferometry, Gatsios T., Researcher, Harokopio University, Dep. of Geography.**
- 12.20 – 12.40** **SCIENCE Project: Identification of permanent scatterers and dissemination of results for the monument of Acropolis. Kalousi G., Terra Spatium SA.**
- 12.40 – 13.00** **Investigating the Stability of the Hill of the Acropolis of Athens, Greece, Using Fuzzy Logic and Remote Sensing Techniques, Tsangaratos P., Ass. Prof., NTUA.**
- 13.00 – 13.20** **Integrity assessment of the Parthenon using Remote sensing techniques, Fragiadakis M., Asc. Prof., NTUA.**
- 13.20 – 14.00** **Lunch Break**

- 14.00 – 16.40** **3rd Session Presidium: Kalousi G., Fragiadakis M.**
- 14.00 – 14.20** **Parametric simulation for the stability of the masonry walls of Chandakas (Line-segment Bembo – St. Francis & Martinengo Bastion), Antoniadis N., Researcher, NTUA.**
- 14.20 – 14.40** **Earth Observation Multitemporal, multi-scale, multi-sensor approach for investigations and degradation assessment in cultural and natural heritage contexts, Lasaponara R., Prof., Institute of Methodologies for Environmental Analysis, National Research Council of Italy (CNR-IMAA).**
- 14.40 – 15.00** **Protection of Cultural Heritage sites under risk, examples from STABLE H2020 project, Saroglou Ch., Lecturer, NTUA.**
- 15.00 – 15.20** **“Seismic Risk Reduction Policy in Cultural Heritage”, Dr. Linda Evangelia Pelli, Civil Engineer, Msc, Phd, Director of Earthquake Planning, Division of EPPO & Director of European Center on Prevention of Earthquakes.**
- 15.20 – 16.40** **Open Discussion – End of Day**



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ORGANIZATIONAL COMMITTEE

Chairman

I. Parcharidis (Professor at Harokopio University)

Members

C. Loupasakis (NTUA Professor, President of EETG, Laboratory of Engineering Geology & Hydrogeology, School of Mining and Metallurgical Engineering, NTUA)

V. Eleftheriou (Director of Acropolis Restoration Service (YSMA))

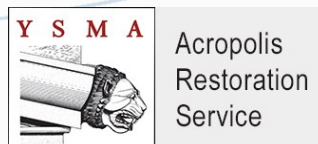
V. Sythiakaki (Director of Ephorate of Antiquities of Heraklion)

M. Fragiadakis (Associate Professor, Laboratory of Earthquake Engineering, School of Civil Engineering, NTUA)

G. Kalousi (Account Manager, Terra Spatium SA)

Certificates of attendance will be provided

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FREE ENTRANCE

