

STORM Summer School 2017

Emergency Management of Cultural Heritage

Rome, Istituto Superiore Antincendi
11-13 September 2017

Main subject

The School is organised in the frame of the STORM (Safeguarding Cultural Heritage through Technical and Organisational Resources Management) project, financed by the European Commission in the Horizon 2020 program. STORM proposes a set of novel predictive models and improved non-invasive and non-destructive methods of survey and diagnosis, for effective prediction of environmental changes and for revealing threats to cultural heritage sites. An integrated system featuring novel sensors (intra fluorescent and wireless acoustic sensors), legacy systems, state of the art platforms (including LiDAR and UAVs), offering applications and services over an open cloud infrastructure. The project, started in 2016, will end in 2019.

Training goals

The Summer School aims at giving the basic information about the first year results of the STORM project, The lectures of the course will explore the relations between climatic change and risk for Cultural Heritage, the technologies available to predict hazardous events and limit damages and the operational procedures in case of emergency. Three exercise sessions will be organised with specific attention to paper documents damaged by water, emergency operations on collapsing structures and emergency operations on painted walls.

Organising committee

Organising Committee

Stefano Marsella, Corpo Nazionale dei Vigili del Fuoco (Coordinator), Maria Joao Reves, Nova Conservacao Restauro, Vanni Resta KPeople, Ulderico Santamaria, Università della Tuscia.

Location

Istituto Superiore Antincendi. Via del Commercio, 13. Rome, Italy (<http://www.vigilfuoco.it/sitiSpeciali/viewPage.asp?s=3&p=41147>).

Teaching Organisation and materials

Selected annotated bibliography for each lecture and lecture summaries to be delivered for each lecture. The School proposes a sequence of lectures. Each lecture is articulated into an introduction, a contribution and a Q&A session. Three exercise sessions will show the students the techniques adopted to gather data during normal activity, to secure buildings after a structural damage, to manage books and paper documents damaged by water and to secure a damaged fresco.

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Learning evaluation

At the end of the School a final evaluation of students' learning will be based on a questionnaire.

Teachers

- Prof. Bulent Akbas, Bogazici University and Kandilli Observatory (TR),
- Dr. Eng. Silvia Boi, Engineering Ingegneria Informatica (IT),
- Dr. Francesca Boldrighini, Soprintendenza Speciale per il Colosseo, il Museo Nazionale Romano e l'Area Archeologica di Roma (IT),
- Dr. Andrei Borissovitch Utkin, Inesc Inovação (PT),
- Prof. Patrikakis Charalampos, Technological Educational Institute of Piraeus (GR),
- Dr. Maria Concetta Capua, Nova Conservacao (PT),
- Dr. Eng. Armando de Rosa, Corpo Nazionale dei Vigili del Fuoco (IT),
- Dr. Paolo Dolci, Corpo Nazionale dei Vigili del Fuoco (IT),
- Dr. Alcides Fuschini Bizarro, Município de Grândola (PT),
- Dr. Arch. Maria Teresa Jaquinta (ICCROM),
- Dr. Maria Joao Reves, Nova Conservacao (PT),
- Dr. Marina Magnani Cianetti (IT),
- Dr. Eng. Andrea Marino, Corpo Nazionale dei Vigili del Fuoco (IT),
- Dr. Eng. Stefano Marsella, Corpo Nazionale dei Vigili del Fuoco (IT),
- Dr. Filipa Mascarenhas Neto, Direção-Geral do Património Cultural (PT),
- Dr. Eng. Luca Nassi, Corpo Nazionale dei Vigili del Fuoco (IT),
- Dr. Fabio Perossini, KPeople (UK),
- Dr. Mohammed Ravankhah, University of Stuttgart (GE),
- Dr. Vanni Resta, KPeople (UK),
- Prof. Ulderico Santamaria, Università della Tuscia (IT),
- Dr. Martin Suklitsch, Zentralanstalt für Meteorologie und Geodynamik (AT),
- Prof. Eren Uckan, Bogazici University and Kandilli Observatory (TR),



Associated partners:

