



## ***Drying in art and for the Cultural Heritage protection***

Drying, dewatering and dehumidification may play an important role also in the artistic field and is relevant for the protection of the cultural heritage. For the first time the European Drying Conference will host a special session dedicated to this topic.

Different aspects will be investigated by the delegates and invited speakers, focused but not limited to:

- Dewatering and desalination of historical building, with the use of innovative monitoring techniques
- Drying as a technique in the artistic creation, presenting the experience of an international artist (Roberto Cuoghi)
- Consequences of the drying process on paintings, and the possibility to use cracks characteristics to understand the methods used by the artists, and consequently, acquire information to authenticate paintings
- Resilience and recovery of flooded archives
- Potentiality and limitations of use of lyophilization in recovering flooded documents and books
- Freeze-drying of archaeological woods and underwater artefacts

Below is a preliminary list of contributors:

- Imbibition-drying in models systems observed by Magnetic Resonance Imaging - Application to a poultice/porous medium system for desalination of historical masonry (by P. Coussot et al.)
- Freeze drying as a stabilizing and preserving process in sculpint and art (by R. Bruttini & R. Cuoghi)
- Effect of drying on paintings: Image segmentation applied to the investigation of craqueline domains (by Sparavigna & Arsiccio)
- The resilience to flooding of historical archives (by M. Demichela et al.)
- On the effect of freeze-drying on paper-borne microorganisms (by F. Bosco et al.)
- Cold-chain on anthropological remains (E. Di Francia et.al)
- Freeze-drying archaeological wood: the current state of affairs (M. Peters et al.)