

Science in Cultural Heritage

Interdisciplinary thinking

Online Zoom Conference

Begin 21.10.2021, 16:30 - 18:30

Every Thursday 16:30 - 18:30

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Chair of Conservation-Restoration, Art Technology and Conservation Science in collaboration with the Chair of Nondestructive Testing

PROGRAM*

21st Oct. Introduction to the Seminar. Heritage Science definition and History. The role of Munich and TUM in the development of the discipline. **Dr. Prof. Thomas Danzl** - Full professor/ **Dr. Clarimma Sessa** - Conservation scientist at the Chair of Conservation-Restoration, Art Technology and Conservation Science, TUM Department of Architecture.

28th Oct. About Interdisciplinary thinking. **Dr. Patrick Dietemann**, senior conservation scientist/chemist at the Doerner Institut, Bayerischen Staatsgemäldesammlungen, Munich

11th Nov. Analytical Chemistry in cultural heritage. Challenges and case studies. **Dr. Clarimma Sessa**, Conservation scientist at the Chair of Conservation-Restoration, Art Technology and Conservation Science, TUM Department of Architecture

18th Nov. Pigments' history and chemistry. New discoveries at the Bayerische Staatsgemäldesammlung by means of MA-XRF imaging. **PD Dr. Heike Stege**/Head of the scientific department of the Doerner Institut, Bayerische Staatsgemäldesammlung, Munich

25th Nov. Pigments: chemistry and degradation paths. The case of Johannes Vermeer's *Mistress and Maid* and Van Gogh's *Iris*es and *Roses*. **Dr. Silvia Centeno**, Senior Research Scientist at the Metropolitan Museum of Art, NY

2nd Dec. In Situ Non invasive Study of Artworks: The MOLAB Multitechnique Approach. **Dr. Francesca Rosi**, Researcher at CNR-ISTM, Italy

9th Dec. Application of Non-Destructive Testing Methods at King Khufu's Pyramid (Cheops) in Giza, Egypt. **Prof. Christian Große**, Chair of Non destructive Testing, TUM

16th Dec. Terahertz imaging for non-destructive evaluation of mural paintings. **Dr. Corinna Dandolo**, ex post-doc at C2RMF, Palais du Louvre, Paris, France

13th Jan. Reflectance Imaging Spectroscopy (RIS) scanning in CH. The case of the *Night Watch* by Rembrandt. **Dr. Francesca Gabrieli**, Junior Scientist at the Rijksmuseum, Amsterdam

20th Jan. XRF measurements and calibration. Material characterization of metal alloys. **Prof. Dr. Jose Francisco Garcia**, Full professor, **Dr. Hector Bagan** Associate professor and **Georgios Magkanas** of the Analytical chemistry department of the University of Barcelona.

27th Jan. Earth science in CH. **Dr. Elena Basso**, Associate Research Scientist at the Metropolitan Museum of Art, New York

3rd Feb. Very small but highly effective - polishing agents on 18th c »marble« surfaces. **Margreta Sonnenwald** and **Dr. Gerhard Lehrberger**, Chair of Engineering Geology, TUM Department of Civil, Geo and Environmental Engineering

10th Feb. Historical adhesives and their application in anthropogenic environmental influence provoked natural stone repair at historical monuments with respect to recipe, mechanical stress, environmental benignity and sustainability. **Sophie Hoepner**, Chair of Biopolymers, TUM Campus Straubing.