

Science in Cultural Heritage

Interdisciplinary thinking

Online Zoom Conference

Begin 21.10.2021, 16:30 - 18:30

Every Thursday 16:30 - 18:00

Contact: clarimma.sessa@tum.de

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. Chemical analysis, data interpretation and 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. Combining the World of Analytics & Imaging Painting Examinations by Macro X-Ray Fluorescence Scanning. **PD Dr. Heike Stege**/Head of the scientific department of the Doerner Institut, *Bayerische Staatsgemäldesammlung*, Munich
- 25th Nov. In Situ Non invasive Study of Artworks: The MOLAB Multitechnique Approach. **Dr. Francesca Rosi**, Researcher at Institute of Chemical Sciences and Technologies Giulio Natta SCITEC, Italy
- 2nd Dec. 25th Nov. Pigments: chemistry and degradation paths. The case of Johannes Vermeer's *Mistress and Maid* and Van Gogh's *Irises and Roses*. **Dr. Silvia Centeno**, Senior Research Scientist at the Metropolitan Museum of Art, NY
- 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**, PhD student 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.