

# ANALYSIS AND IMAGING TECHNIQUES IN THE CONSERVATION OF ART, CULTURAL AND NATURAL HERITAGE

The National Museum of Denmark | Ny Vestergade 10 | DK - 1471 Copenhagen

## Program

(NKF reserve the right to make changes to the program)

### Wednesday Oct. 30th

- 14.00-16.00 *Preliminary lab tours:* Extra free networking event to a selected conservation research laboratory or to the Technical University of Denmark (information about time and place will be sent to your email at registration)
- 16.00 - 18.00 Early registration and welcome reception (The National Museum)

### Thursday Oct. 31st

- 8.00 – 9.30 Registration and a light breakfast (The National Museum)
- 9.30 - 9.45 Welcome speech by Peter Rasmussen, Head of Research at the The National Museum's Science Department
- 9.45-10.30 *Key note presentation:* Dr. Alexander D. Ball, Head of Imaging and Analysis at the Natural History Museum: "Non-destructive Imaging and Analytical Techniques at The Natural History Museum, London"
- 10.30 – 12.00 *Presentations: 3D imaging and photogrammetry*
- Valeria Carrillo:  
"Establishing guidelines for 3D digitization of cultural heritage in conservation practice: An approach to digital photogrammetry and structured light scanning."
  - Susanne Kaun:  
"Virtual exhibition of historic interiors: Full-spherical panorama versus photo-grammetry."
  - Kendra Roth, Jesse Ng and Deepa Paulus:  
"To Build a Palace: The Digital documentation of Louise Nevelson's Mrs. N's Palace."
- 12.00 – 13.00 Lunch
- 13.00 – 14.00 *Presentations: 3D modelling and documentation*
- Erato Kartaki:  
"3D capturing of ceramic and glass artefacts; creating digital 3D models suitable for printing."
  - Michelle Vergeer:  
"Photogrammetry of paintings on a copper support: a tool for documentation, visualization and manufacturing a 3D support."
- 14.00 - 14.25 *Sponsor presentation: Phaseone and Book2net*
- 14.25 – 15.00 Coffee break

## Thursday Oct. 31st (continued)

- 15.00 – 16.00 *Presentations: 3D (continued)*
- Alba Fuentes-Porto and Esteban Amador-García:  
"Control methods and packaging optimization of archaeological metals by comparing and editing 3D models. A case study."
  - David Hauer:  
"Assessment of structural response to seasonal climate variations of large, complex archaeological wooden objects using 3D imaging. An investigation of global hygromechanical behaviour and comparison to wood components of the Oseberg ship."
- 16.00-16.45 *Discussions (Please be aware that the museum closes at 17.00)*
- 19.00 *Symposium dinner:*  
Restaurant Ofelia at the Royal Danish Theatre (Skuespilhuset)  
Address: Skt. Annæ plads 36 - DK 1250 København K

## Friday Nov. 1st

- 9.00 – 9.30 Doors open, a light breakfast
- 9.30 - 10.15 *Key note presentation: Prof. Karin Frei, Research Professor in Archaeometry, National Museum of Denmark*  
"The relevance of merging fields - what archaeometry can't tell."
- 10.15 – 11. 45 *Presentations: Micro fading technique and other analysis*
- Birgit Vinther Hansen:  
"Experience with MFT at the Royal Danish Library; testing of historical and modern materials and challenges."
  - Julia Owczarska:  
"Cross-sections of wallpaper: a comparative look at iron beam sectioning vs Unicryl embedded thick sections."
  - Ulla Bøgvad Kejser and Birgit Vinther Hansen:  
"Spectral imaging of archive and library materials."
- 11.45-12.45 Lunch
- 12.45 – 14.15 *Presentations: Digital Technologies in Heritage Conservation*
- Christine Slottved Kimbriel:  
"A miniature landscape: non-invasive technical study of a cabinet miniature by Isaac Oliver."
  - Josef Uher:  
"RToo: The robotic scanner for material resolving X-ray imaging of art."
  - Jon Yngve Hardeberg:  
"Cultural Heritage Analysis for New Generations - CHANGE - a new ITN project"
- 14.15– 14.30 Coffee break

**Friday Nov. 1st (continued)**

14.30 – 15.30 *Presentations: Digital technologies and other techniques*

- Poul Erik Lindelof:

“Neutron imaging studies of swords from the Viking and Roman Iron Ages”

- Mona Hess:

“Digital Technologies in Heritage Conservation - integration of optical surveying and measurement methods and sensor technologies into classical heritage conservation and museum documentation.”

15.30-16.30 *Discussions*

16.30 – 16.45 *Farewell (Please be aware that the museum closes at 17.00)*

Arranged by:



Thank you for taking part in the NKF symposium 2019!

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