Staatliche Museen zu Berlin
Preußischer Kulturbesitz

EXCELLENCE CLUSTER TOPOI

Workshop & Lecture

REFLECTANCE TRANSFORMATION IMAGING FOR CULTURAL HERITAGE

Courtesy Trustees of the British Museum

RTI is a photographic technique of particular interest to anyone working with cultural heritage objects, such as archaeologists, historians, librarians, museums curators, conservators and photographers

WORKSHOP

Reflectance Transformation Imaging for Cultural Heritage Documentation

Two identical half-day workshops (October 16 and 22) will be offered by Cultural Heritage Imaging (CHI). These morning workshops focus on Reflectance Transformation Imaging (RTI) and include introductory lectures as well as RTI demonstrations. They are open to anyone interested in RTI technology and its practical application.

The half-day workshop covers:

- How Reflectance Transformation Imaging (RTI) is used to create digital representations
- Examples of RTI from various areas of cultural heritage and the natural sciences, including museum objects, archaeological sites and artifacts, conservation usage, and paper collections
- Demonstration on how to perform an RTI capture
- Practical information about equipment, image capture setups, and software

Date	16.10.2012 or 22.10.2012
Time	09:30 – 12:30
Venue	Archäologisches Zentrum Berlin Geschwister-Scholl-Straße 6, 10117 Berlin, Brugsch-Pascha-Saal (4th floor)

Please register in advance for either workshop at
http://rti-workshop.eventbrite.co.uk/

LECTURE

Reflectance Transformation Imaging (RTI) and its Application in Museum and Field Contexts

Lecture: Mark Mudge/Carla Schroer (Cultural Heritage Imaging, CHI): Computational Photography for Cultural Heritage Documentation

Talk: Kathryn E. Piquette (Marie Curie COFUND Fellow, Dahlem Research School and Topoi, Freie Universität Berlin): Visualising Early Egyptian and Mesopotamian Writing and Art with the Aid of Highlight RTI

Talk: Cornelia Kleinitz (Humboldt-Universität zu Berlin, Institut für Archäologie/Topoi): Highlight RTI and the Documentation of Ancient Graffiti at Musawwarat es Sufra (Sudan)

Date: 22.10.2012
Time: 19:00 – 20:30 followed by a wine reception
Venue: Topoi-Haus Dahlem, Hittorfstraße 18, 14195 Berlin, Lecture room

Please register in advance for the lecture at http://rti-lecture.eventbrite.co.uk/

REFLECTANCE TRANSFORMATION IMAGING

Reflectance Transformation Imaging (RTI) is an emerging advanced imaging technique for the documentation and research of cultural heritage. It is a low-cost and user-friendly computational photographic method that captures a subject's surface shape and color and enables the interactive re-lighting of the subject from any direction. RTI also permits the mathematical enhancement of the subject's surface shape and color attributes. The enhancement functions of RTI reveal surface information that is not disclosed under direct empirical examination of the physical object. RTI is of particular interest to anyone working with cultural heritage objects, such as archaeologists, historians, librarians, museums curators, conservators and photographic staff.

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