



Universität Hamburg

DER FORSCHUNG | DER LEHRE | DER BILDUNG



CENTRE FOR THE
STUDY OF
MANUSCRIPT
CULTURES

International Conference on Natural Sciences and Technology in Manuscript Analysis

Centre for the Study of Manuscript Cultures (CSMC)
University of Hamburg

4-6 December 2013



Wednesday, 4 December 2013

Session I: Visual Analysis

- 14:00 Welcome
- 14:15 L. Wolf (invited)
Automatic tools for historical manuscript analysis
- 15:00 B. Gottfried and M. Lawo
Diptychon: A transcription assistant system for the separation of glyphs in medieval manuscript texts
- 15:25 H. Busch, S. Chandna, M. Embach, C. Krause, C. Moulin, A. Rapp, R. Stotzka, D. Tonne and P. Vanscheidt
Automatic tagging of medieval manuscripts
- 15:50 Coffee break*
- 16:20 L. Dinges, A. Al-Hamadi and M. Elzobi
Synthetic based validation of segmentation of handwritten Arabic words
- 16:45 A. Garz, M. Liwicki, R. Ingold
HisDoc 2-0 - towards computer-assisted paleography
- 17:10 C. Stokoe, G. Ferrario and B. Outhwaite
In the shadow of Goitein: Text mining the Cairo Genizah
- 18:00 Reception*



Thursday, 5 December 2013

Session II: Image Analysis

- 09:00 R. Easton and D. Kelbe (invited)
Statistical processing of spectral imagery to recover writings from erased or damaged manuscripts
- 09:45 L. Rothacker and G. A. Fink
Segmentation - free word spotting in historical documents
- 10:10 C. Burrows and G. Jones
Hands off! Using heritage imaging to reveal the secrets of manuscripts
- 10:35 Coffee break*
- 11:05 A. Alexopoulou and A. Kaminari
The evolution of imaging techniques in the study of manuscripts
- 11:30 K. Chen, A. Garz, H. Wei, M. Liwicki, R. Ingold
DIVADIA - a semi-automatic toolkit for labelling historical document image
- 11:55 W. Pantke, A. Haak, V. Märgner
Color segmentation for historical documents
- 12:20 M. Gau, F. Hollaus, F. Kleber, R. Sablatnig
Digital imaging, enhancement, and processing of historical manuscripts
- 12:45 Lunch

Session III: Materials Analysis

- 14:15: D. Oltrogge (invited)
Dinten, gold and rubrica. The analysis of manuscript materials – methods and (art) historical questions.
- 15:00 S. Fiddyment, C. Checkley-Scott, M. Garrison, K. Rudy, B. Holsinger, C. Webb, A. Fairburn, C. Dand, K. Rowsell, D. Bradley, M. Teasdale, A. Curtis and M. Collins
My library and other animals: How non-invasive techniques can uncover the secrets hidden in parchment
- 15:25 M. Aceto, A. Agostino, G. Fenoglio, M. Gulmini, A. Idone, P. Baraldi, F. Crivello, C. Hofmann, M. Griesser and F. Kirchweiger
Challenges in the analysis of purple codices
- 15:50 Coffee break*
- 16:20 M. Aceto, A. Agostino, G. Fenoglio, M. Gulmini, A. Idone, A. Benotto, M.L. Russo and F. M. Abate
The richness of the painting materials used on Persian manuscripts: a non-invasive investigation
- 16:45 A. M. Rafi and T. A. Afshari
Material analysis of Safavid Isfahani papers
- 17:10 A. Masic
Quantifying deterioration of natural fibers by polarized Raman spectroscopy: the case of collagen in Dead Sea Scrolls
- 17:35 G. Adami, M. Bronzato, P. Calvini, C. Federici, M. Zanetti and A. Zoleo
16th century European papers. Survey on degradation mechanisms
- 20:00 Dinner



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Friday, 6 December 2013

Session IV: Interdisciplinary Research

- 09:00 D. Stökl Ben Ezra (invited)
Interdisciplinary perspectives from material and computer sciences on / from the Dead Sea Scrolls and beyond
- 09:45 L. Glaser, D. Deckers, K. Appel, M. Borchert, A. Rothkirch
XRF scanning investigation of parchment palimpsests
- 10:10 Coffee break*
- 10:40 C. MacDonald, A. Janke and B. Pouvkova
Uncovering the Musical Secrets of the Florentine Campione dei Beni, 1504, Palimpsest (ASL 2211)
- 11:05 M. Geissbühler and E. Kindzorra
Combining codicology and X-ray spectrometry to unveil the history of production of the Codex Germanicus 6
- 11:30 R. Herzog and A. Solth
Visual analysis of manuscripts at the CSMC: Projects and tools
- 11:55 Conclusions

* Reception and coffee breaks are offered by CSMC