About the Workshop

Digital methods, tools and algorithms are gaining in importance for the analysis of digitized manuscripts collections in the arts and humanities. The goal of this workshop is to bring together experts from diverse fields, such as pattern recognition, information visualization, and digital humanities.

The workshop is organized by the project “eCodicology – Algorithms for the Automatic Tagging of Medieval Manuscripts”, supported by BMBF and hosted by Karlsruhe Institute of Technology (KIT), Germany.

Project Partners

Universität Trier
TRIER
Technische Universität Darmstadt

Cooperation Partners

TextGrid
DARIAH-DE

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Machines and Manuscripts 2015

2nd
International Workshop on Opportunities for the Automatic Pattern Recognition and Analysis of Historical Documents

19.02.2015 – 20.02.2015

Contact

Swati Chandna
swati.chandna@kit.edu
Danah Tonne
danah.tonne@kit.edu

Karlsruhe Institute of Technology
Schlossbezirk 13
Bldg 20.13, Room 001
76131 Karlsruhe

For more information
www.ecodicology.org
19. February 2015

Session I: Project Introduction
*Moderation: Andrea Rapp*
13:50 – 14:05: The Technical Perspective of eCodicology (*Swati Chandna*)
14:05 – 14:30: SemToNotes and eCodicology – A Manual and an Automatic Manuscript Annotation Tool Working Closely Together (*Jochem Graf*)
14:45 – 15:15: Coffee Break and Poster Session

Session II: Pattern Recognition in Various Scientific Fields
*Moderation: Rainer Stotzka*
15:45 – 16:15: Medical Imaging with 3D Ultrasound Computer Tomography for Early Breast Cancer Diagnosis (*Nicole Ruiter; Torsten Hopp*)
16:15 – 16:45: Semi-automated Detection of Ground Monuments in Airborne Laser Scan Data (LiDAR) (*Armin Volkmann; Karl Hjalte Maack Raun*)

20. February 2015

Session III (a): Layout Analysis of Historical Documents
*Moderation: Philipp Vanscheidt*
11:00 – 11:30: The Optical Neume Recognition Project (ONRP) – The Development of a Search Tool for Neume Notation in Digital Images (*Jennifer Bain; Inga Behrendt; Anton Stingl*)
11:30 – 12:00: Statistical Models for Word Spotting (*Gernot Fink*)
12:00 – 12:30: MultiSpectral Image Analysis for Writer Identification in Ancient Manuscripts (*Robert Sablatnig*)
12:30 – 13:30: Lunch

Session IV: Opportunities for Interdisciplinary Research
*Moderation: Rainer Stotzka*
13:30 – 14:00: Digital Humanities at the Ubiquitous Knowledge Processing Lab at TU Darmstadt (*Carsten Schnober*)
14:00 – 14:30: Investigating Signals on the Page for Use in Identifying Logical Structure in Texts (*Tuomo Toljamo*)
14:30 – 15:00: Closing Discussion