

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.

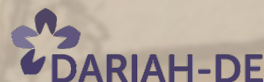
The workshop is organized by the project “eCodicology – Algorithms for the Automatic Tagging of Medieval Manuscripts”, supported by BMBF and hosted by Karlsruhe Institute of Technology (KIT), Germany.



Project Partners



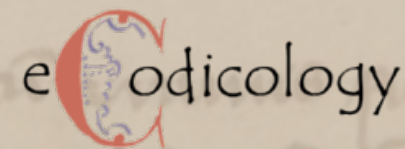
Cooperation Partners



Funded by:



Bundesministerium
für Bildung
und Forschung



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Analysis of Historical
Documents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

Welcome

13:00 – 13:05: Opening (*Andrea Rapp*)

13:05 – 13:20: Computer Science at Karlsruhe Institute of Technology (*Michael Beigl*)

13:20 – 13:30: Organizational Information (*Rainer Stotzka*)

Session I: Project Introduction

Moderation: Andrea Rapp

13:30 – 13:50: eCodicology – Algorithms for the Automatic Tagging of Medieval Manuscripts (*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 (*Jochen Graf*)

14:45 – 15:45: 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Session III (a): Layout Analysis of Historical Documents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

09:30 – 10:00: Problems of Layout Analysis in Medieval Charters (*Otfried Krafft*)

10:00 – 10:30: Document Structure Analysis: Modelling Unseeable Patterns (*Hervé Déjean*)

10:30 – 11:00: Coffee Break and Poster Session

Session III (b): Specialized 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