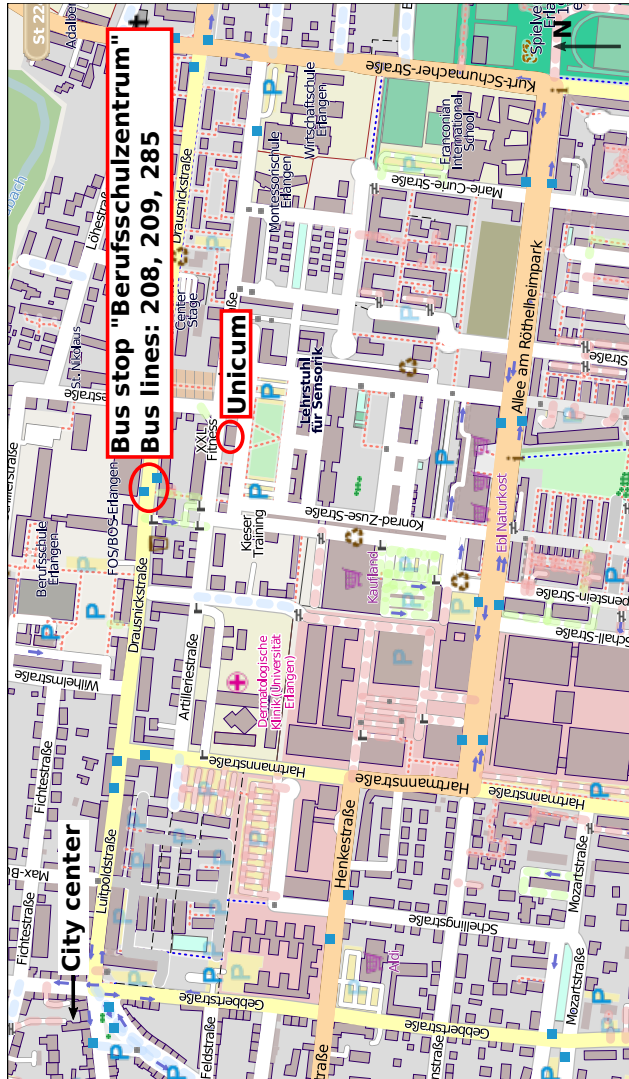


Directions



Address

Unicum Erlangen
Carl-Thiersch-Straße 9
91052 Erlangen

About the Workshop

The number of historical documents that are in digital form has dramatically increased during the last five to ten years. Consequently, there has also been a significant growth in the development of computerized tools for supporting the analysis of such documents. The goal of this symposium is to bring together the world's leading experts on historical document analysis from a diverse set of fields, such as Pattern Recognition, Computer Vision, Medieval History and Auxiliary Sciences of History.

This workshop is part of the project "Script and Signs. A Computer-based Analysis of High Medieval Papal Charters. A Key to Europe's Cultural History" which is funded by the e-humanities initiative of the German Ministry of Education and Research. It is jointly organized by the School of Advanced Optical Technologies (FAU), the Pattern Recognition Lab (FAU), the Chair of Medieval History (FAU) and the Institute of Palaeography and Diplomatics (LMU).

Organizing Committee

- Prof. Dr. Joachim Hornegger, Dr. Elli Angelopoulou, Vincent Christlein
Pattern Recognition Lab, Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU)
- Prof. Dr. Klaus Herbers, Thorsten Schlauwitz, Viktoria Trenkle
Chair of Medieval History, Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU)
- Prof. Dr. Fees, Benedikt Hotz, Benjamin Schönfeld
Institute of Palaeography and Diplomatics, Ludwig-Maximilians-Universität München (LMU)

Contact

Administrative Support Christina Ort

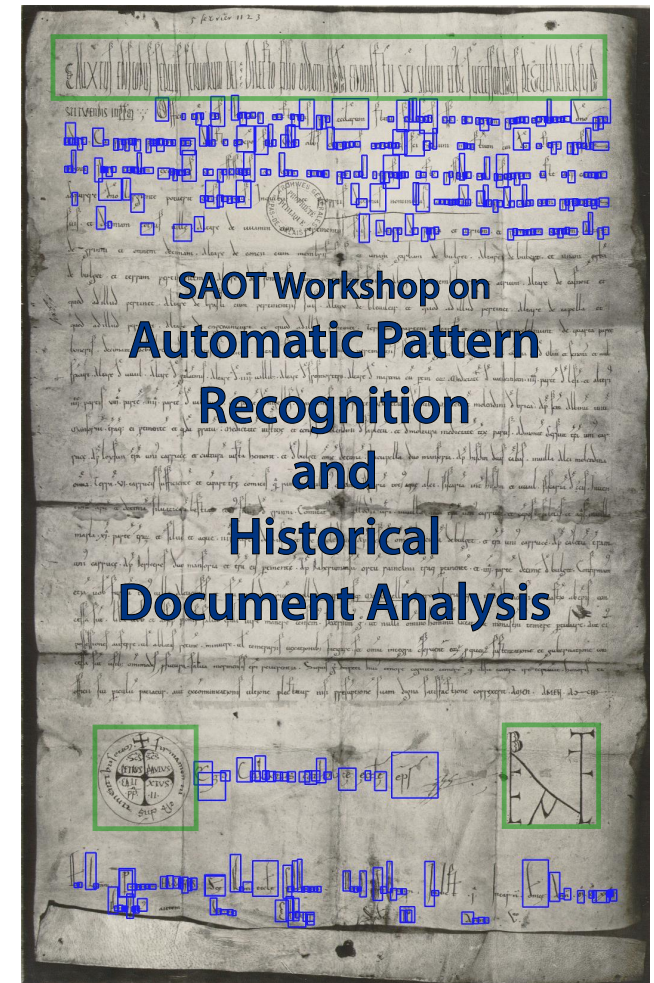
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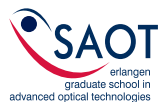
www <http://www.aot.uni-erlangen.de/saot/events/workshops/ws-apr>



SAOT Workshop on Automatic Pattern Recognition and Historical Document Analysis

Technical Program

June 14–15, 2013



June 14, 2013

Opening

8:00 **Registration**

8:30 *Welcome*

Joachim Hornegger

Vice President of the Friedrich-Alexander-Universität Erlangen-Nürnberg

8:45 *Message from Chairs*

Irmgard Fees, Klaus Herbers

Ludwig-Maximilians-Universität München / Friedrich-Alexander-Universität Erlangen-Nürnberg

9:00 *Script and Signs. A Computer-based Analysis of High Medieval Papal Charters. A Key to Europe's Cultural History*

Vincent Christlein

Friedrich-Alexander-Universität Erlangen-Nürnberg

9:15 *Presentation of the Papal Documents Database*

Thorsten Schlauwitz

Friedrich-Alexander-Universität Erlangen-Nürnberg

Session I. Traditional Paleography

Session chair: Irmgard Fees

9:30 *Considerations on the Identification of Scribes: Aim and Methods of Traditional Paleography (German)*

Martin Wagendorfer

Ludwig-Maximilians-Universität München

10:10 *Forensic Handwriting Analysis*

Gudrun Bromm

Mannheim Laboratory for Script and Document Analysis

10:50 **Break**

Session II. Writer Identification

Session chairs: Irmgard Fees, Elli Angelopoulou

11:10 *The Right Hand of the Pope. On the Authenticity of the Cardinals Signatures on Papal Privileges in the 12th and 13th Centuries (German)*

Werner Maleczek

University of Vienna

11:50 *Role of Automation in the Examination of Handwritten Items: the Lindbergh Case*

Sargur Srihari

University at Buffalo - State University of New York

12:30 *The Necessity of Simultaneous Multiple Perspectives in Digital Identification of the Hand*

Lambert Schomaker

University of Groningen

13:10 **Lunch Break**

Session III. Digital Paleography

Session chairs: Klaus Herbers, Elli Angelopoulou

14:10 *The Evolution of Handwriting in the Papal Curia of the 15th Century (German)*

Thomas Frenz

University of Passau

14:50 *In Meaning versus Mining, and Putting the Paleographer in Charge*

Peter Stokes

King's College London

15:30 **Break**

15:50 *Image Analysis and Clustering of Medieval Scripts: an Evaluation Protocol*

Dominique Stutzmann

French National Center for Scientific Research

16:30 *Handwritten Word Spotting in Historical Documents: the Project Five Centuries of Marriages*

Josep Lladós

Universitat Autònoma de Barcelona

June 15, 2013

Session IV. General Document Analysis

Session chairs: Klaus Herbers, Vincent Christlein

8:30 *Layout and Writer Identification*

Otfried Krafft

Philipps-Universität Marburg

9:10 *Multispectral Image Acquisition and Analysis for Manuscript Research*

Robert Sablatnig

Vienna University of Technology

9:50 **Break**

Session V. Automatic Handwriting Recognition and Analysis

Session chair: Elli Angelopoulou

10:10 *Diptychon: a Transcription Assistant System for the Separation of Glyphs in Medieval Handwritings*

Björn Gottfried, Matthias Lawo

University of Bremen / Berlin-Brandenburg Academy of Sciences and Humanities

10:50 *Searching Handwritten Manuscripts*

R. Manmatha

University of Massachusetts

11:30 *Automatic Tools for Historical Manuscript Analysis*

Lior Wolf

Tel Aviv University

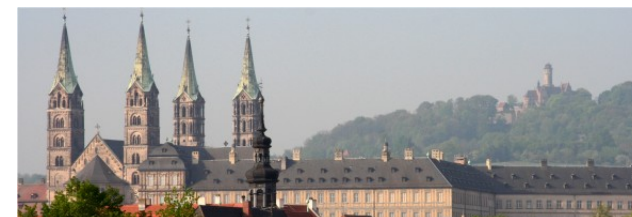
12:10 *Concluding Discussion*

Kurt Gärtner

Trier University

12:50 **Guided tour in Bamberg (including Lunch)**

Guided Tour in Bamberg



Bamberg is known for its historical architecture and preserved heritage. Famous sights are the Romanesque Cathedral, the residence of the bishops, and the Old Town Hall.

Time: to be announced