

THESEUS/ImageCLEF Pre-Workshop

Corfu, Greece, 29th September 2009

Proceedings

Edited by

Peter Dunker
Judith Liebetrau
Stefanie Nowak
Prof. Henning Müller
Dr. Panagiotis Vlamos



Fraunhofer
IDMT



IONIAN UNIVERSITY
DEPARTMENT OF INFORMATICS



Federal Ministry
of Economics
and Technology



THESEUS/ImageCLEF Pre-Workshop 2009

**Co-located with the
Cross-Language Evaluation Forum (CLEF) Workshop
and
13th European Conference on Digital Libraries ECDL 2009**

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THESEUS/ImageCLEF Pre-Workshop 2009

<http://www.imageclef.org/2009/preCLEF>

Organized by

**Peter Dunker
Judith Liebetrau
Stefanie Nowak**
Fraunhofer IDMT

www.idmt.fraunhofer.de



Prof. Henning Müller
University Hospitals of Geneva



Co-organized by

Dr. Panagiotis Vlamos
Ionian University, Department of Informatics



IONIAN UNIVERSITY
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Sponsored by

THESEUS Research Program
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Keynote Speaker

Professor Stefan Rueger

Knowledge Media Institute, The Open University, Milton Keynes, UK

„More than a thousand words“

This talk will examine the challenges and opportunities of Multimedia Search, i.e., finding multimedia by fragments, examples and excerpts. What is the state-of-the-art in finding known items in a huge database of images? Can your mobile phone take a picture of a statue and tell you about its artist and significance? What is the importance of geography as local context of queries? To which extent can automated image annotation from pixels help the retrieval process? Does external knowledge in terms of ontologies or other resources help the process along?

Speaker's Biography

Stefan Rueger read Theoretical Physics at Free University Berlin, gained a PhD in Computer Science at Technical University Berlin in 1996 and carved out his academic career at Imperial College London from PostDoc to a Readership in Multimedia and Information Systems. In 2006 he joined The Open University's Knowledge Media Institute as Professor of Knowledge Media. He is also a Visiting Principal Research Fellow for Imperial College London and holds an Honorary Professorship from the University of Waikato, New Zealand. For more details see <http://kmi.open.ac.uk/mmis>.

Keynote Speaker

Dr. Ralf Schäfer

Fraunhofer HHI, Berlin, Germany

„Theseus Project – Semantic and Image Processing Technologies and its Applications“

THESEUS is an umbrella organization uniting over 30 research institutions from the public sector and the industry to collaborate in developing and designing innovative base technologies. The goal: To simplify access to information, gain new knowledge by networking data, and create the basis for the development of new Internet services.

The focus of the research program is on semantic technologies, which determine contents (words, images, and sounds) not through conventional methods (e.g., combinations of letters), but are able to recognize and place the meaning of content in its proper context. Using these technologies, computer programs can intelligently comprehend the context in which data were stored. In addition, computers can draw logical inferences from the contents and autonomously recognize and produce connections between various pieces of information from different sources by applying rules and order principles.

Speaker's Biography

Ralf Schäfer received his Dipl.-Ing. and Dr.-Ing. degrees in electrical engineering from the Technical University of Berlin in 1977 and 1984 respectively. In October 1977 he joined the Heinrich-Hertz-Institut (HHI) in Berlin. From this time on, he worked in various fields of signal processing and image coding and lead several research projects. Since 1989 he is head of the Image Processing Department, where he is responsible for about 50 researchers and technicians, about 40 students, and about 30 R&D projects funded by the German Government (BMBF, BMWi), by the German Science Foundation (DFG), by the European Commission, and by industries.

Ralf Schäfer is member of the German "Society for Information Technology" (ITG), where he is chairman of the experts committee "TV Technology and Electronic Media" (FA 3.1) and chairman of the experts group "Digital Coding" (FG 3.1.2). Furthermore, he is member of the German "Society for Television and Motion Picture Technology" (FKTG), where he belongs to the URTEL Award Committee.

He serves permanently as an independent expert and reviewer for the European Commission, and he was Chairman or member of Programme Committees of many national and international conferences. For more information see: <http://iphome.hhi.de/schaefer/bio.htm>

Workshop Program

Begin	Duration	Name	Description
09:30	0:15 min	Prof. Henning Müller	Opening Welcome to Workshop Overview ImageCLEF 2009
09:45	0:15 min	Dr. Panagiotis Vlamos	Welcome by the University
10:00	0:45 min	Keynote Dr. Ralf Schäfer	Theseus Project - Semantic and Image Processing Technologies and its Applications
10:45	0:20 min	Jussi Karlgren	Affect, Appeal, and Sentiment as Factors Influencing Interaction with Multimedia Information
11:05	0:20 min	Coffee break	
11:25	0:20 min	Mark Huiskes	Hierarchical Annotation of Large Image Collections
11:45	0:20 min	Stefanie Nowak	A Consumer Photo Tagging Ontology: Concepts and Annotations
12:05	0:20 min	Theodora Tsirikla	Are clickthrough data reliable as image annotations?
12:25	0:20 min	István Petrás	SzTAKI@ImageCLEF 2009
12:45	2:00 min	Lunch	
14:45	0:45 min	Keynote Prof. Stefan Rüger	More than a thousand words
15:30	0:20 min	Hugo Jair	On the SAIAPR TC-12 Benchmark
15:50	0:20 min	Teerapong Leelanupab	Application and Evaluation of Multi-Dimensional Diversity
16:10	0:20 min	Coffee break	
16:30	0:20 min	Alexander Loos	Evaluation of Algorithms for the Summarization of Photo Collections
16:50	0:20 min	Alexander Dmitruk	Multidimensional structural descriptors for medical image retrieval
17:10	0:20 min	Adil Alpokocak	Ontology-based Annotation and Retrieval System for Digital Mammography Images
17:30	0:30 min	Henning Müller, Judith Liebetrau	Closing Final Discussion
20:00		Workshop Dinner	Location announced in the Workshop

Location: University of Corfu, Greek

[\(Department of Informatics, Plateia Tsirigoti 7, Aretaios Building, Room 3, Second Floor\)](#)

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The complete publication with all papers is soon available at the
Fraunhofer Verlag.
(<http://www.verlag.fraunhofer.de/bookshop/>)



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