

The PATExpert Workshop



23.6.2008 - 24.6.2008
Stuttgart

PATExpert is



co-funded by the European Union

<http://www.patexpert.org/workshop/>



About PATExpert

Patents belong to the few types of public information that have a big impact on the European economy, and whose proper monitoring, retrieval, representation, interpretation, and assessment so clearly depend on the access to its content, and, thus, on advances in semantics-based techniques. However, research and development in the area of patent processing still focuses on selected traditional tasks such as text retrieval, classification, and shallow linguistic analysis. Recent initiatives that target the automatic access to content of patents attempt to cover ALL knowledge areas. This forces them to rely on term frequency, term co-occurrence and grammatical term categories. I.e., despite the use of a Semantic Web-based formalism, the resulting representation is not a real content representation. As a consequence, tasks that ultimately require knowledge-based multimedia techniques (content-oriented search, assessment, abstracting, etc.) are still, to a major extent, carried out manually.

PATExpert's overall scientific goal is to change the paradigm currently followed for patent processing from textual (viewing patents as text blocks enriched by "canned" picture material, sequences of morpho-syntactic tokens, or collections of syntactic structures) to semantic (viewing patents as multimedia knowledge objects) processing. PATExpert will develop a multimedia content representation formalism based on Semantic Web technologies for selected technology areas and investigate the retrieval, classification, multilingual generation of concise patent information, assessment and visualization of patent material encoded in this formalism, taking the information needs of all user types as defined in a user typology into account. PATExpert's technological goal is to develop a representation for real applications. The composition and the competence of the Consortium, ensure the achievement of these goals.

The consortium

 	Fundació Barcelona Media Universitat Pompeu Fabra		Industrie Software Jochen Brüggmann
	Universität Stuttgart		Fraunhofer Gesellschaft
	Aristotle University of Thessaloniki		European Patent Office
	FBK II Centro per la Ricerca Scientifica e Tecnologica		IALE Tecnología

Day 1 (23rd of June)

9:45-10:00	Welcome	Leo Wanner (PATExpert Coordinator) / Thomas Ertl (local host)
10:00-11:00	Invited Talk	N.N.
11:00-11:20 • Coffee break		
11:20-11:50	Towards a semantic representation of patent material	Stefanos Vrochidis
Session: User-tailored search in patent data- and knowledge bases		
11:50-12:00	The variety of patent oriented searches: An Introduction	Joan Codina
12:00-12:30	Semantic search in patent knowledge bases	Emanuele Pianta
12:30-13:00	Image Retrieval in the patent domain	Stefanos Vrochidis
13:00-13:30	Keyword-based search in patent databases involving the user	Joan Codina
13:30-15:00 • Lunch		
15:00-15:40	Invited talk: Measuring patent similarity by comparing inventions functional trees	Gaetano Cascini
15:40-16:10	Content distillery from patents	Emanuele Pianta
16:10-16:30 • Coffee break		
16:30-16:40	Introduction to the demo session	
16:40-18:00	Demo session	
19:30 • Workshop Banquet		

Day 2 (24th of June)

9:30-10:00	Towards user oriented classification of patents	Sören Brüggmann
10:00-11:00	Invited talk	N.N.
11:00-11:20 • Coffee break		
11:20-11:50	Visualization of patent spaces	Mark Giereth, Steffen Koch and Harald Bosch
11:50-13:00	Panel on standardization of semantic codification of patent material	
13:00-15:00 • Lunch		
15:00-15:30	Paraphrasing and summarization of patent claims	Gabriela Ferraro and Simon Mille
15:30-16:10	Invited talk: On NLP Modules with Shared Knowledge for a Patent Workstation	Svetlana Sheremetyeva
16:10-16:30 • Coffee break		
16:30-17:00	Towards technology area assessment and patent valuing	Bernd Drapp and Enric Escorsa
17:00-17:30	PATExpert as an Operational Patent Processing Service: The Present and the Future	Sören Brüggmann
17:30-17:45	Workshop wrap up	Leo Wanner

For your participation please e-mail or fax this page to:

Truong Le
 Tel: + 49 (0) 711 970 3605
 Fax: + 49 (0) 711 970 953500
 Fax: + 49 (0) 711 970 3993
 Email: patexpert@teg.fraunhofer.de

NAME	
TITLE	
INSTITUTION	
ADDRESS	

Location

Internationales Begegnungszentrum der Universität Stuttgart "Eulenhof"
 Robert-Leicht-Str. 161
 70569 Stuttgart

Arrival by train, plane or car

Take the transit system S-Bahn S1 or S2 or S3 to "Vaihingen". Exit at the "University" stop. Follow the sign „Universitätszentrum“. At the exit you will find the sign „IBZ“.

From the airport: Take the transit system S-Bahn S2 or S3 to "Stadtmittel". Exit at the "University" stop. Follow the sign „Universitätszentrum“. At the exit you will find the sign „IBZ“.

Arrival by car: Robert-Leicht-Straße. The IBZ is located on the left (see map).

