

CURRICULUM VITÆ

Dr. Willem Robert van Hage

PERSONAL INFORMATION

Apply for my personal information with me.

EDUCATION

- 2004–2008 PhD research at TNO Science & Industry and at the Computer Science department of the Free University Amsterdam (VUA).
- 1997–2004 Master of Computer Science at the Universiteit van Amsterdam (UvA), specialization Theoretical Computer Science.
- 1991–1997 Highschool, Scholengemeenschap Reigersbos, Amsterdam (graduated in science and arts courses)

EMPLOYMENT

- 2008–present Postdoctoral researcher at the Computer Science department of the Free University Amsterdam (VUA).
Research on geospatial semantics in the maritime domain in the Poseidon project.
- 2004–2008 *TNO Science & Industry* and the *Free University Amsterdam*
PhD research on Operations on Ontologies in the Virtual Laboratories for e-Science (VL-e) project under Guus Schreiber (VUA).
- 2003 *ILLC, UvA*
System analysis with Pieter Adriaans (UvA) and Hap Kolb (TNO) for the VL-e project at Unilever, FCDF, and TNO foods.
- 2003 *UvA JobService BV*
Teacher's assistant for courses on datastructures, logical programming, and search techniques.
- 2003 *Programming Research Group, UvA*
Proofreading an introductory book about program-algebra.
- 2002–2003 *ILLC, UvA*
Scientific programmer, Complex Knowledge Base Classification.
- 2001 *UvA JobService BV*
Teacher's assistant for courses on program-algebra, information processing and coding, and microprogramming.
- 2001 *Spectrostar*
GNU/Linux system administration.

EMPLOYMENT (*continued*)

- 2000–2001 *Spectrostar BV*
Programmer, C en Assembler, writing a Linux device driver for the Spectrocam spectrophotometer.
- 1999 *Stichting Tympaan Instituut*
Programmer, C and various script languages, data-mining and implementing a graphical user interface for a system used by the government to determine their healthcare policy.
- 1998–1999 *IMC Weekendschool*
Teaching socially disadvantaged 10 to 12-year-old elementary school children about computers.
- 1997 *Signum informatieprojecten*
HTML and Perl programmer for the homepage of Albert Heijn, the Netherlands' biggest grocery store chain.

ACTIVITIES DURING MY PHD RESEARCH

- 2008 Program committee member of the European Conference of Artificial Intelligence (ECAI 2008)
- 2007 Working visit to the Food and Agriculture Organization of the United Nations (FAO) in Rome, Italy.
I helped to design a new federated search engine that allows concept-based search using vocabularies from various libraries to search in distributed agricultural libraries from a central search engine hosted by the FAO.
- 2006–2007 Co-organizer of the Ontology Alignment Evaluation Initiative (OAEI) 2006 and 2007, an evaluation forum for automatic ontology alignment systems.
In 2006 I organized the *food* task, an evaluation task involving the alignment of two large thesauri in the agricultural domain: the AGROVOC thesaurus of the Food and Agriculture Organization of the United Nations and the National Agricultural Library Agricultural Thesaurus of the United States Department of Agriculture.
In 2007 I organized the *food* task and also the *environment* task, a similar task involving three large thesauri: the General Multilingual Environment Thesaurus (GEMET) of the European Environment Agency and the two thesauri of the *food* task.
- 2004–2007 Within the VL-e project I designed and implemented the following software tools.
SOAP web services for the access of RDF meta-data repositories in workflow environments.
Exemplar AJAX web interfaces that call on these services through Java servlets that function as web service clients and demonstrate how a thesaurus browser and a web annotation client can be built on top of web services.
An exemplar Mozilla Firefox toolbar in XUL that call on the same services to demonstrate how a web annotation client can be built on top of web services as part of a web browser.

SCIENTIFIC PUBLICATIONS

- 2009 *Combining Ship Trajectories and Semantics with the Simple Event Model*, W. R. van Hage, V. Malaisé, G. de Vries, G. Schreiber, and M. van Someren in *Proceedings of ACM EiMM09*
- 2009 *The OAEI food task: an analysis of a thesaurus alignment task*, W. R. van Hage, M. Sini, L. Finch, H. P. Kolb, and G. Schreiber in *Applied Ontology*
- 2008 *Evaluating Ontology-Alignment Techniques*, PhD thesis.
- 2008 *Comparing human and automatic thesaurus mapping approaches in the agricultural domain*, B. Lauser, G. Johannsen, C. Caracciolo, J. Keizer, W. R. van Hage, P. Mayr in *Proceedings of DC 2008*
- 2007 *Sample Evaluation of Ontology-Matching Systems*, W. R. van Hage, A. Isaac, and Z. Aleksovski in *Proceedings of EON 2007*
- 2007 *Description of alignment evaluation and benchmarking results*, Knowledge Web Deliverable 2.2.9 of WP2.2 on heterogeneity, P. Shvaiko, J. Euzenat, H. Stuckenschmidt, M. Mochol, F. Giunchiglia, M. Yatskevich, P. Avesani, W. R. van Hage, O. Šváb, V. Svátek
- 2007 *UVAVU: WordNet Similarity and Lexical Patterns for Semantic Relation Classification*, W. R. van Hage and S. Katrenko in *Proceedings of SemEval-2007*
- 2006 *Results of the Ontology Alignment Evaluation Initiative 2006*, J. Euzenat, M. Mochol, P. Shvaiko, H. Stuckenschmidt, O. Šváb, V. Svátek, W. R. van Hage, M. Yatskevich
- 2006 *A Method for Learning Part-Whole Relations*, W. R. van Hage, H. P. Kolb, and G. Schreiber in *ISWC 2006 Proceedings*.
- 2005 *Alignment implementation and benchmarking results*, Knowledge Web Deliverable 2.2.4 of WP2.2 on heterogeneity, H. Stuckenschmidt, M. Ehrig, J. Euzenat, A. He, W. Hu, N. Jian, G. Cheng, Y. Qu, G. Stoilos, U. Straccia, V. Svátek, R. Troncy, W. R. van Hage, M. Yatskevich
- 2005 *A Method to Combine Linguistic Ontology-Mapping Techniques*, W. R. van Hage, S. Katrenko, G. Schreiber, in *ISWC 2005 Proceedings*.
- 2004 *The University of Amsterdam at CLEF 2004*, S. Fissaha, W. R. van Hage, J. Kamps, G. Lacerda de Melo, and M. de Rijke in *Working Notes for the CLEF 2004*.
- 2004 *Information Retrieval Support for Ontology Construction and Use*, W. R. van Hage, M. de Rijke, and M. Marx in the *ISWC 2004 Proceedings*.
- 2004 *Towards a Topic Driven Access to Full Text Documents*, C. Caracciolo, W. van Hage, and M. de Rijke in *ECDL 2004 Proceedings*.
- 2004 *Living on the Edge, Combining structured and semi-structured data for information retrieval*, Master's thesis computer science.

RELEVANT COMPUTER SKILLS

<i>Programming Languages</i>	Java (also SOAP web services, JSP, and HTTP Servlets), Perl, Ruby, PHP, Javascript (and AJAX), Python, Haskell, Lisp, ML, Prolog (and Eclipse), C/C++, Bash (and Awk, Sed etc.),
<i>Compiler Builders</i>	ASF+SDF, Lexx/Yacc,
<i>W3C Standards</i>	XML, RDF(S), OWL, SKOS, SVG, XSL & XSLT,
<i>Query Languages</i>	SQL, RQL, SeRQL, XQuery, XPath,
<i>Layout Languages</i>	TeX, LaTeX, XHTML, CSS 3, PostScript (programming),
<i>Mathematical Packages</i>	R, Mathematica,
<i>Office Packages</i>	MS Office, OpenOffice,
<i>Modeling Languages</i>	UML, Flow charts, DFDs

LANGUAGES

Dutch fluent both actively and passively
English fluent both actively and passively
German good both actively and passively
French only passively

INTERESTS

Martial Arts 1st degree black belt Jiu-Jitsu.
 3rd kyu degree Judo.
Music I play electric bass guitar and double bass.