

# Curriculum Vitae

## Personal information

Surname / First name **Geurts Joost**  
Homepage <http://www-rocq.inria.fr/~geurts/>  
Address 28, rue Legendre, 75017, Paris, France  
Telephone +33 (0) 9 5488 5518 (home)  
+33 (0) 1 3963 5316 (office)  
Fax +33 (0) 1 3963 5674 (office)  
E-mail [Joost.Geurts@inria.fr](mailto:Joost.Geurts@inria.fr)  
Nationality Dutch  
Date of birth 11 October 1975

## Work experience

### Dates **March 2007 - present**

Name and address of employer Institut National de Recherche en Informatique et en Automatique (INRIA) – The French national institute for research in computer science and control, Rocquencourt France, IMEDIA project (project leader: N. Boujema)

Occupation or position held Expert engineer

Type of business or sector Multimedia research

Expertise Scientific project coordination (assistant)

Main activities and responsibilities

- Managing research activity within two European Commission projects related to multimedia search engines (CHORUS, VITALAS)
- Managing organizational and administrative part of project activities
- Research in benchmarking for multimedia search engines
- Reviewing and authoring project deliverables.

Skills (acquired or improved)

- Project management skills.
- Communicational skills
- Organizational skills
- Developed thorough understanding of multimedia search technology for large scale, professional audio-visual archives.

### Dates **October 1998 – July 2006**

Name and address of employer Centrum voor Wiskunde en Informatica (CWI) - The National Research Institute for Mathematics and Computer Science Amsterdam, the Netherlands, Semantic Media Interfaces Theme (theme leader: L. Hardman)

Occupation or position held Project member / PhD student

Type of business or sector Multimedia document engineering

Expertise Automatic adaptation of web based multimedia documents to multiple devices and user interests

Main activities and responsibilities

- Conducting research in a project team
- Developing system prototypes
- Writing/reviewing scientific articles for international journals/conferences
- Co-supervising master students
- Presenting results at conferences and project meetings
- Managing organizational part of project activities

Skills (acquired or improved)

- Analytical skills
- Broad knowledge in IT sector
- Acquired expertise in multimedia authoring and processing, knowledge management, multimedia metadata models and human-computer interaction
- Languages (Java, C, C++, (X)HTML, CSS, SMIL, XML, RDF(S), OWL, XSL(T), Prolog)

- Ability to work in an international team
- Broad user experience with different software tools

**Dates** **September 2004 – December 2004**

Name and address of employer School of Information Management and Systems (SIMS), University of California, Berkeley US

Occupation or position held Visiting scholar

Type of business or sector Context-aware mobile media applications

Main activities and responsibilities

- Conducting research in establishing metadata requirements for video
- Conversion of LISP represented cinematic ontology to RDF(S)
- Development of a software framework for automatic composition of reaction and establishing shots.

Skills (acquired or improved)

- Cinematographic knowledge for production and storage of digital media
- Practical experience in filming, montage and producing short films
- Languages (LISP, XML, RDF(S), Python)

**Dates** **February 2002 – July 2002**

Name and address of employer Distributed System Technology Centre (DSTC), Australia's primary representative in global IT standards arena, Brisbane, Australia

Occupation or position held Visiting scholar

Type of business or sector Multimedia/Digital Libraries/Knowledge Management/Semantic Web

Main activities and responsibilities

- Conducting research in automatic knowledge discovery and presentation
- Development of a software prototype
- Writing scientific articles

Skills (acquired or improved)

- Experience with cultural heritage data.
- Experience with integration of multiple large data repositories
- Metadata standards (Dublin Core, MARC, OAI)

**Dates** **September 1996 – July 1997**

Name and address of employer Institut National de Recherche en Informatique et en Automatique (INRIA), theme "Audiovisual & Hypermedia", Rocquencourt, France

Occupation or position held Exchange student

Type of business or sector Multimedia/Digital Libraries

Main activities and responsibilities

- Development of an interactive Audiovisual CD-ROM
- Maintaining website
- Maintaining multimedia database

Skills (acquired or improved)

- Experience with multimedia databases
- Practical experience with multimedia data
- Languages (C++, Java, HTML)

**Education and training**

**Dates** **June 2002 – February 2010**

Name and type of organization providing education and training Eindhoven Technical University, Mathematics and Computer Science faculty, the Netherlands

Title of qualification awarded Doctor of Philosophy (Ph.D.)

Principal subjects/occupational skills covered Document engineering, multimedia, knowledge engineering, software engineering

Ph.D. thesis "Document engineering for spatio-temporally constrained documents"  
supervisor: prof. dr. Lynda Hardman

**Dates** **August 1998 – July 2002**

Name and type of organization providing education and training University of Amsterdam, Faculty of Science, the Netherlands

Title of qualification awarded Master of Science (M.Sc.)

Principal subjects/occupational skills covered Artificial Intelligence  
specialization: logic

Master.thesis "Constraints for Multimedia Presentation Generation"  
supervisors: prof.dr. Krzysztof R. Apt, prof. dr. Lynda Hardman

**Dates August 1994 – July 1998**

Name and type of organization providing education and training Saxion Universities of Applied Science, Computer Science department, Enschede, the Netherlands

Title of qualification awarded Bachelor of Science (B.Sc.)

Principal subjects/occupational skills covered Information Technology

Bachelor.thesis "Thesaurus and Database Support for the Automatic Generation of Hypermedia Presentations"  
supervisors: dr. Lynda Hardman, dr. Marcel Worrying**Dates August 1989 – July 1994**

Name and type of organization providing education and training Scholengemeenschap het Assink, Haaksbergen

Title of qualification awarded HAVO (translation: Senior General Secondary Education)

Principal subjects/occupational skills covered Dutch, English, mathematics, physics, chemistry, history, art

**Personal skills and competences**

Mother tongue Dutch

Other language(s)

Self-assessment

**English****French****German**

Understanding		Speaking		Writing			
Listening		Reading		Spoken interaction		Spoken production	
	Fluent		Fluent		Fluent		Fluent
	Good		Good		Good		Good
	Good		Good		Basic		Basic

Social skills and competences

- Experience in working in an international environment
- International social networking experience
- Experience with project team work

Organizational skills and competences

- Experience in project coordination and project management
- Good organizational and analytical skills (acquired during project work and PhD research)
- Supervision experience
- Experience with organizing group social activities

Technical skills and competences

- Operating systems: Unix, Windows, Mac OS X
- DBMS: MySQL, Microsoft Access
- Office Software: Microsoft Office, LaTeX, OpenOffice

Computer skills and competences

Programming: Java, C, C++, XSL(T), Prolog, Python,  
Declarative: XML, RDF(S), OWL, UML

Interest

My main interests are in enabling and innovating multimedia technology. This includes applying and adapting multimedia technology to existing workflows and, in cooperation with domain experts, develop new forms of exploiting multimedia information. In this perspective, I see the Web as a particularly interesting research domain from both, a technical and social-economic perspective.

Hobbies

Cinema, cooking, reading, drawing, playing soccer

## Publications

- Key Joost Geurts, Stefano Bocconi, Jacco van Ossenbruggen, and Lynda Hardman. Towards Ontology-driven Discourse: From Semantic Graphs to Multimedia Presentations. In Second International Semantic Web Conference (ISWC2003), pages 597–612, Sanibel Island, Florida, USA, October 20-23, 2003.
- Joost Geurts, Jacco van Ossenbruggen, and Lynda Hardman. Application-Specific Constraints for Multimedia Presentation Generation. In Proceedings of the International Conference on Multimedia Modeling 2001 (MMM01), pages 247–266, CWI, Amsterdam, The Netherlands, November 5-7, 2001.
- Refereed **Joost Geurts**, Jacco van Ossenbruggen, and Lynda Hardman. Requirements for practical multimedia annotation. In Workshop on Multimedia and the Semantic Web, pages 4–11, Heraklion, Crete, May 2005. part of 2nd European Semantic Web Conference.
- Jacco van Ossenbruggen, **Joost Geurts**, Lynda Hardman, and Lloyd Rutledge. Towards a Formatting Vocabulary for Time-based Hypermedia. In The Twelfth International World Wide Web Conference, pages 384–393, Budapest, Hungary, May 20-24, 2003. IW3C2, ACM Press.
- Suzanne Little, **Joost Geurts**, and Jane Hunter. Dynamic Generation of Intelligent Multimedia Presentations through Semantic Inferencing. In 6th European Conference on Research and Advanced Technology for Digital Libraries, pages 158–189, Pontifical Gregorian University, Rome, Italy, September 2002. Springer.
- Jacco van Ossenbruggen, **Joost Geurts**, Frank Cornelissen, Lloyd Rutledge, and Lynda Hardman. Towards Second and Third Generation Web-Based Multimedia. In The Tenth International World Wide Web Conference, pages 479–488, Hong Kong, May 1-5, 2001. IW3C2, ACM Press.
- Lloyd Rutledge, Brian Bailey, Jacco van Ossenbruggen, Lynda Hardman, and **Joost Geurts**. Generating Presentation Constraints from Rhetorical Structure. In Proceedings of the 11th ACM Conference on Hypertext and Hypermedia, pages 19–28, San Antonio, Texas, USA, May 30 – June 3, 2000. ACM.
- Other **Joost Geurts**, Jacco van Ossenbruggen, Lynda Hardman, and Marc Davis. Video on the Semantic Web - Experiences with Media Streams. Technical Report INSE0404, CWI, 2004.