

Egon Stemle is a Cognitive Scientist: he studies skills like perception, thinking, learning, motor function, and language by combining the humanistic and analytical methods of the arts and the formal sciences.

His research focus within this relatively new 'inter-discipline' lies in the area where Computational Linguistics and Artificial Intelligence converge. He is working on computer aided fabrication of ontologies from large document repositories, the technological feasibility thereof and the utilization of cross-linked structured data in applications, and on tools for editing, processing, and annotating linguistic data.

His driving force is the question why humans handle incomplete and – more often than not – inconsistent structured concepts just fine, whereas computational processes are often of little avail or fail completely.

## Participation in Research Projects

- since 02.2012 **Researcher**, *Institute for Specialised Communication and Multilingualism at the European Academy of Bozen/Bolzano (EURAC).*
- 04.2009 – **Research Fellow**, *LiveMemories sponsored grant, financed by the Provincia Autonoma of Trento,*  
– 01.2012 *for research activities at the Center for Mind/Brain Sciences (CIMEC) of the University of Trento.*
- since 2009 **Technology Consultant and Shareholder**, *Whitematter Labs.*  
Provider of neuroscientific technologies for marketers.
- 04.2008 – **Project Member**, *GoodGaze*, Institute of Cognitive Science, University of Osnabrück, Germany.  
– 2010 Research project to predict where people will look on Web pages.
- 2008 **Freelancer**, *ontoprise GmbH.*  
Integrating in-house technology with IBM's OmniFind; Feasibility Study: evaluate to which extent very specific information extraction from large web data collections combined with semi-automatic cleaning is technically feasible, what benefits and efforts are to be expected – while also considering external alternatives.
- 10.2006 – **Research Participant**, *DAAD funded research project (Project-linked exchange of academics and scientists, PPP)*, Collaboration between the Institute of Cognitive Science, U. Osnabrück, Germany, the CNRS UMR 8163 (Savoirs, Textes, Langages), U. of Lille (III), France, and the Departament de Traducció i Filologia, U. Barcelona (Pompeu Fabra), Spain.  
– 03.2008 Reference to Abstract Objects in Natural Language (OntoRef).
- 04.2006 – **Research Assistant**, Institute of Applied Informatics and Formal Description Methods, University of Karlsruhe, Germany, Knowledge Management Research Group.  
– 03.2008 Maintenance and development of software and scientific counsel; e.g. evaluating CL tools for OmniFind+UIMA and hooking them together.
- 08.2004 – **Research Participant**, *ASADO*, Cooperation between the Universities of Osnabrück and  
– 09.2005 Hildesheim, and the aircraft manufacturer AIRBUS.  
Project to research methodologies and technologies to analyze and structure the huge amount of documentation produced during aircraft construction.
- 08.2003 – **Student Assistant**, *Institute of Cognitive Science, University of Osnabrück, Germany*, Artificial  
– 12.2003 Intelligence Research Group.  
Maintenance and development of software for the MiLCA (Media intensive learning units for courses in computational linguistics) project.

## Education

- 02.2006 – **MSc in Cognitive Science**, *with distinction*, University of Osnabrück, Germany.  
– 03.2009

- 03.2002 – **Semester abroad, ILLC** (*Institute for Logic, Language and Computation*), University of Amsterdam, The Netherlands.
- 09.2002
- 10.2000 – **BSc in Cognitive Science**, University of Osnabrück, Germany.
- 01.2006

## Teaching Experience

- 2009 – 2011 **Lecture on Web Corpora**, *Course in Text Processing class*, Coordinated by Marco Baroni, University of Trento, Italy.  
(yearly)
- 10.2003 – **Artificial Intelligence Tutor**, *Methods of Artificial Intelligence class*, Institute of Cognitive Science, University of Osnabrück, Germany.  
– 02.2006
- 04.2003 – **Computational Linguistics Tutor**, *Introduction to Computational Linguistics class*, Institute of Cognitive Science, University of Osnabrück, Germany.  
– 07.2006
- 10.2002 – **Theoretical Neuroscience Tutor**, *Introduction to Theoretical Neuroscience class*, Institute of Cognitive Science, University of Osnabrück, Germany.  
– 02.2003
- 10.2001 – **Computer Science Tutor**, *Algorithms class*, Computer Science Department, University of Osnabrück, Germany.  
– 02.2002

## Administrative Experience

- since 08.2012 **Secretary of the Special Interest Group on the Web as Corpus (SIGWAC)**, SIG of the Association for Computational Linguistics.
- 04.2006 – **Member of the Examination Board (Prüfungsausschuss)**, Cognitive Science Study Programme, University of Osnabrück, Germany.  
– 03.2007
- 12.2005 – **Member of the Search Committee (Besetzungskommission)**, Institute of Cognitive Science, University of Osnabrück, Germany.  
– 02.2006
- 04.2005 – **Member of the Academic Studies Commission (Studienkommission)**, Cognitive Science Study Programme, University of Osnabrück, Germany.  
– 03.2008
- 02.2005 – **Member of the Search Committee (Berufungskommission)**, Faculty of Humanities, University of Osnabrück, Germany.  
– 01.2006
- 10.2003 – **Member of the Steering Committee (Vorstand)**, Institute of Cognitive Science, University of Osnabrück, Germany.  
– 03.2008
- 07.2003 – **Member of the Search Committee (Besetzungskommission)**, Institute of Cognitive Science, University of Osnabrück, Germany.  
– 10.2003

## Languages

German	<b>Native</b>
English	<b>Excellent</b>
French	<b>Basic</b>
Italian	<b>Basic</b>

*Main education language at university.*

*5 years training during high-school.*

## Computer Skills

programming	Python, Java, JavaScript (ECMAScript), Prolog, ML	scripting	Bash, Perl, PHP
scientific	R, CQP, Oracle/Sun Grid Engine, Apache Hadoop, Matlab, OmniFind+UIMA, PDP++, Octave, Protégé	design	L <sup>A</sup> T <sub>E</sub> X, gnuplot, Inkscape, Scribus, InDesign, Illustrator, Photoshop, GIMP