egon w. stemle

Researcher

Eurac Research
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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 works on computer aided fabrication of ontologies from large document repositories, the technological feasibility thereof and the utilization of cross-linked structured data in applications, as well as on tools for editing, processing, and annotating linguistic data.

His curiosity in research is driven by 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.

Research and Professional Experience

since 02.2012	**Researcher**, *Institute for Applied Linguistics at Eurac Research, Bolzano, Italy*.
04.2009 – – 01.2012	**Research Fellow**, *LiveMemories sponsored grant, financed by the Provincia Autonoma of Trento, for research activities at the Center for Mind/Brain Sciences (CIMeC) of the University of Trento, Italy*.
since 2009	**Technology Consultant and Shareholder**, *Whitematter Labs*.
04.2008 – – 2010	**Project Member**, *GoodGaze*, Institute of Cognitive Science, University of Osnabrück, Germany.
2008	**Freelancer**, *ontoprise GmbH, Karlsruhe, Germany*.
10.2006 – – 03.2008	**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.
04.2006 – – 03.2008	**Research Assistant**, Institute of Applied Informatics and Formal Description Methods, University of Karlsruhe, Germany.
08.2004 – – 09.2005	**Research Participant**, *ASADO*, Cooperation between the Universities of Osnabrück and Hildesheim, and the aircraft manufacturer AIRBUS.
08.2003 – – 12.2003	**Student Assistant**, *Institute of Cognitive Science, University of Osnabrück, Germany*, Artificial Intelligence Research Group.
10.2001 – – 03.2009	**System Administrator**, *Institute of Cognitive Science, University of Osnabrück, Germany*.

Education

02.2006 – – 03.2009	**MSc in Cognitive Science**, *with distinction*, University of Osnabrück, Germany.
03.2002 – – 09.2002	**Semester abroad**, *ILLC (Institute for Logic, Language and Computation)*, University of Amsterdam, The Netherlands.
10.2000 – – 01.2006	**BSc in Cognitive Science**, University of Osnabrück, Germany.

Teaching Experience

05.2016	**Session on Corpus Building and Practical Corpus Building**, *COST ENeL Training School 2016:Tools and methods for creating innovative e-dictionaries*, Central Hotel, Ljubljana, Slovenia.
2009 – 2011 (yearly)	**Lecture on Web Corpora**, *Course in Text Processing class*, Coordinated by Marco Baroni, University of Trento, Italy.
10.2003 – – 02.2006	**Artificial Intelligence Tutor**, *Methods of Artificial Intelligence class*, Institute of Cognitive Science, University of Osnabrück, Germany.
04.2003 – – 07.2006	**Computational Linguistics Tutor**, *Introduction to Computational Linguistics class*, Institute of Cognitive Science, University of Osnabrück, Germany.
10.2002 – – 02.2003	**Theoretical Neuroscience Tutor**, *Introduction to Theoretical Neuroscience class*, Institute of Cognitive Science, University of Osnabrück, Germany.
10.2001 – – 02.2002	**Computer Science Tutor**, *Algorithms class*, Computer Science Department, University of Osnabrück, Germany.

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 – – 03.2007	**Member of the Examination Board (Prüfungsausschuss)**, Cognitive Science Study Programme, University of Osnabrück, Germany.
12.2005 – – 02.2006	**Member of the Search Committee (Besetzungkommission)**, Institute of Cognitive Science, University of Osnabrück, Germany.
04.2005 – – 03.2008	**Member of the Academic Studies Commission (Studienkommission)**, Cognitive Science Study Programme, University of Osnabrück, Germany.
02.2005 – – 01.2006	**Member of the Search Committee (Berufungskommission)**, Faculty of Humanities, University of Osnabrück, Germany.
10.2003 – – 03.2008	**Member of the Steering Committee (Vorstand)**, Institute of Cognitive Science, University of Osnabrück, Germany.
07.2003 – – 10.2003	**Member of the Search Committee (Besetzungskommission)**, Institute of Cognitive Science, University of Osnabrück, Germany.

Languages

German	Native	
English	Excellent	*Main education language at university.*
French	Basic	*5 years training during high-school.*
Italian	Basic	

Computer Skills

programming	Python, Java, JavaScript (ECMAScrip), Prolog	scripting	Bash, Perl, PHP
scientific	Keras, Theano, R, CQP, SkE, Oracle/Sun Grid Engine, Apache Hadoop, Matlab, UIMA, PDP++, Octave, Protégé	design	LATEX, gnuplot, Inkscape, Scribus, InDesign, Illustrator, Photoshop, GIMP
OS	Linux, OS X	services	LAMP Stack, PostgreSQL, Apache Tomcat, Exim, Mailman, SpamAssassin, Trac, ISC Bind, Cyrus, Dovecot, OpenVPN, Shorewall, FreeIPA, OpenLDAP, NIS/YP, Kerberos+NFSv4