

# Stefan Ellmauthaler

---

## *Curriculum Vitae*

---

### Personal Data

Degrees Dipl.-Ing. (comparable to MSc), BSc  
Date and place of birth May 8, 1986, Vienna  
Citizenship Austrian citizen  
Marital status unmarried  
Address Birkenstraße 9  
04177 Leipzig  
Germany

---

### Education

since 10/2012 **Doctoral study** of Computer Science at the Leipzig University  
Supervisor: Prof. Dr. Gerhard Brewka

2009–2012 **Master study (Dipl.-Ing.)**, “Computational Intelligence” at the Vienna University of Technology, with distinction.

**Master’s thesis**  
*Abstract Dialectical Frameworks: Properties, Complexity, and Implementation*  
Privatdoz. Dipl.-Ing. Dr.techn. Stefan Woltran (supervisor)  
Proj.Ass. Dipl.-Ing. Johannes Peter Wallner, BSc (assistance)

2005–2009 **Bachelor study (BSc)**, “Medicine and Computer Science” at the Vienna University of Technology.

2000–2005 **“Matura” certificate (Higher School Certificate)**, at the HTBLuVA Wiener Neustadt, Department “EDVO”.  
School to gain the matriculation standard in conjunction with expertise in the field of informatics and business management (graduation at the 13<sup>th</sup> school year)

---

### Further Education

07/2014 **Doctoral Consortium at the fourteenth conference of Knowledge Representation and Reasoning (KR) 2014**, Vienna, Topic: Argumentation for Reactive Reasoning.

06/2013 **Advanced Course on AI (ACAI) 2013 summer school**, London.

Birkenstraße 9 – 04177 Leipzig

☎ +49 (176) 369 980 23 • ✉ [ellmauthaler@informatik.uni-leipzig.de](mailto:ellmauthaler@informatik.uni-leipzig.de)

---

## Employment History

- since 10/2012 **Research associate**, *Leipzig University*, Computer Science Institute, Intelligent Systems Group.  
Employed at DFG-projects of the Research Unit “*Hybrid Reasoning for Intelligent Systems*”
- 03/2011 **Project employee**, *Vienna University of Technology*.

---

## Academic Working Experience

- since 10/2012 **Research associate and administrative officer for Leipzig**.  
employed at the projects
- Hybris-A2: Advanced Solving Technology for Dynamic and Reactive Applications
  - Hybris-B2: From Correlation to Causality: Hybrid Reasoning Over Dynamic Protein Interaction Networks
- of the German Research Group (DFG) at the Research Unit “*Hybrid Reasoning for Intelligent Systems*” (FOR 1513)
- Reviewing Reviewing for IJCAI 2015, IULP 2015, AAI 2014, ECAI 2014, ReactKnow 2014, ICCSW 2014, ICLP 2013, and ICCSW 2013

### Professional Activities

Organiser of the *International Workshop on Reactive Concepts in Knowledge Representation (ReactKnow 2014)*, co-located with the *European Conference on Artificial Intelligence (ECAI 2014)* at Prague, Czech

Organiser of the *International Workshop on User-Oriented Logic Programming (IULP 2015)*, co-located with the *International Conference on Logic Programming (ICLP 2015)* at Cork, Ireland

---

## Teaching Experience

### Lectures/Courses

**Knowledge Based Systems**, *Lecture*, 2.0h per week, summer term, with Ringo Baumann and Hannes Straß.

BSc course for computer science students (ST 2015)

**Knowledge Based Systems**, *Exercise*, 1.0h per week, summer term, with Ringo Baumann and Hannes Straß.

BSc course for computer science students (ST 2015), lecture (2.0h per week)

**Intelligent Systems**, *Seminar*, 2.0h per week, winter term, with Gerhard Brewka.

BSc course for computer science students (WT 2014/15)

**Knowledge Based Systems**, *Exercise*, 1.0h per week, summer term, with Ringo Baumann.

BSc course for computer science students (ST 2014, 2013), lecture (2.0h per week) held by Gerd Brewka

**Logic in Computer Science**, *Seminar*, 2.0h per week, summer term, with Gerhard Brewka.

MSc course for computer science students (ST 2014)

*Birkenstraße 9 – 04177 Leipzig*

**Knowledge Representation**, *Seminar*, 2.0h per week, winter term, with Gerhard Brewka.

MSc course for computer science students (WT 2013/14)

**Semantic Web Technologies**, *Seminar*, 2.0h per week, summer term, with Gerhard Brewka and Frank Loebe.

MSc course for computer science students (ST 2013)

[Co-supervised bachelor's thesis at Leipzig University](#)

ST 2014 Jakob Runge: *CARBON - a Web application and a RESTful API for argumentation*

[Teaching Assistance](#)

2006-2009 **Tutor**, *Vienna University of Technology, Institute of Computer Aided Automation*.

Tutor for the bachelor course "EProg" (Introduction to Programming)

---

## Languages

German **native tongue**

English **fluent**

---

## Awards

07/2014 **3<sup>rd</sup> Place at the ASP Modelling Contest**, at the *International Conference on Logic Programming (ICLP) 2014 during the Vienna Summer of Logic 2014 Olympics*, Vienna, Austria.

08/2013 **20<sup>th</sup> PROLOG Programming Contest**, at the *International Conference on Logic Programming (ICLP) 2013*, Istanbul, Turkey.

---

## Publications

### Conferences

- [1] Stefan Ellmauthaler and Hannes Strass. The DIAMOND system for computing with abstract dialectical frameworks. In Simon Parsons, Nir Oren, Chris Reed, and Federico Cerutti, editors, *International Conference on Computational Models of Argument (COMMA 2014)*, volume 266 of *Frontiers in Artificial Intelligence and Applications*, pages 233–240. IOS Press, September 2014.
- [2] Gerhard Brewka, Stefan Ellmauthaler, and Jörg Pührer. Multi-context systems for reactive reasoning in dynamic environments. In Torsten Schaub, Gerhard Friedrich, and Barry O'Sullivan, editors, *European Conference on Artificial Intelligence (ECAI 2014)*, volume 263 of *Frontiers in Artificial Intelligence and Applications*, pages 159–164. IOS Press, 2014.
- [3] Gerhard Brewka, Stefan Ellmauthaler, Hannes Strass, Johannes Peter Wallner, and Stefan Woltran. Abstract dialectical frameworks revisited. In Francesca Rossi, editor, *Proceedings of the International Joint Birkenstraße 9 – 04177 Leipzig*

*Conference on Artificial Intelligence (IJCAI 2013)*. IJCAI/AAAI, August 2013.

- [4] Stefan Ellmauthaler and Johannes Peter Wallner. Evaluating Abstract Dialectical Frameworks with ASP. In Bart Verheij, Stefan Szeider, and Stefan Woltran, editors, *International Conference on Computational Models of Argument (COMMA 2012)*, volume 245, pages 505–506. IOS Press, 2012.

#### Workshops

- [5] Gerhard Brewka, Stefan Ellmauthaler, and Jörg Pührer. Multit-context systems for reactive reasoning in dynamic environments. In Stefan Ellmauthaler and Jörg Pührer, editors, *International Workshop on Reactive Concepts in Knowledge Representation (ReactKnow 2014)*, pages 23–30, 2014.
- [6] Stefan Ellmauthaler and Jörg Pührer. Asynchronous multi-context systems. In Stefan Ellmauthaler and Jörg Pührer, editors, *International Workshop on Reactive Concepts in Knowledge Representation (ReactKnow 2014)*, pages 31–38, 2014.
- [7] Stefan Ellmauthaler. Generalizing multi-context systems for reactive stream reasoning applications. In Andrew V. Jones and Nicholas Ng, editors, *Proceedings of the 2013 Imperial College Computing Student Workshop (ICCSW 2013)*, OpenAccess Series in Informatics (OASISs), pages 17–24. Schloss Dagstuhl–Leibniz-Zentrum fuer Informatik, September 2013.
- [8] Stefan Ellmauthaler and Hannes Strass. The DIAMOND system for argumentation: Preliminary report. In Michael Fink and Yuliya Lierler, editors, *Proceedings of the International Workshop on Answer Set Programming and Other Computing Paradigms (ASPOCP 2013)*, volume abs/1312.6140, September 2013.

#### Academic treatises

- [9] Stefan Ellmauthaler. Abstract Dialectical Frameworks: Properties, Complexity, and Implementation. Master's thesis, Technische Universität Wien, Institut für Informationssysteme, 2012.

#### Other academic contributions

- [10] Stefan Ellmauthaler and Jörg Pührer. Asynchronous multi-context systems. In Thomas Eiter, Hannes Strass, Mirosław Truszczynski, and Stefan Woltran, editors, *Advances in Knowledge Representation, Logic Programming, and Abstract Argumentation - Essays Dedicated to Gerhard Brewka on the Occasion of His 60th Birthday*, volume 9060 of *Lecture Notes in Computer Science*. Springer, 2015.

Birkenstraße 9 – 04177 Leipzig

☎ +49 (176) 369 980 23 • ✉ [ellmauthaler@informatik.uni-leipzig.de](mailto:ellmauthaler@informatik.uni-leipzig.de)