

Kristina Irene Striegnitz

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Professional Experience

- since 07/07 Assistant professor, Computer Science Department, Union College
- 01/05 – 12/05 Post-doc, ArticLab, School of Communication, Northwestern University, USA
- 10/04 – 12/04 Ingénieur expert, équipe langue et dialogue, LORIA, Nancy, France
- 01/00 – 06/04 Researcher, project InDiGen (Integrated Discourse Generation), Institute for Computational Linguistics, Saarland University, Saarbrücken, Germany

Education

- 11/04 PhD, jointly awarded by the Saarland University (Faculty of Humanities) and the University Henri Poincaré Nancy 1 (Faculty of Science and Technology) (“co-tutelle de thèse”)
Title: *Generating Anaphoric Expressions: Contextual Reasoning in Sentence Planning*
German grade: magna cum laude
Supervisors: Claire Gardent (CNRS, Nancy), Jean-Marie Pierrel (U. Henri Poincaré), Manfred Pinkal (Saarland U.)
- 01/00 “Diplom” (Masters) in computational linguistics, Saarland University
- 10/95 “Vordiplom” in computational linguistics, Saarland University

Teaching

Natural Language Generation for Embodied Conversational Agents, ESSLLI 2008, Hamburg, Germany.

Game Development: Introduction to Computer Science, co-taught with Brendan Burns, Union College, spring 2008.

Can Computers Think?: Introduction to Computer Science, Union College, winter 2008.

Theory of Computing, Union College, fall 2007.

Introduction to Computer Science - Labs, Union College, fall 2007.

Theories and Technologies for Human Communication, co-taught with Justine Cassell, Northwestern University, fall 2005.

Introduction to Natural Language Generation, JALIMI 2004, Rosario, Argentina.

Prolog programming: a do-it-yourself course for beginners, ESSLLI 2004, Nancy, France.

Introduction to Programming with Prolog, Saarland University, summer 2001, 2002, and 2003.

Algorithms for Natural Language Processing in Prolog, Saarland University, winter 2001 and 2002.

Programming Project: Natural Language Processing in a Computer Game, Saarland University, summer 2001.

Awards

- Grant from the DAAD (German Academic Exchange Service) for postdoctoral research, 01/2005–12/2005
- Participation in the mentoring program for junior researchers at Saarland University *Mentoring an der Saar-Uni: Berufsziel Professorin*, 01/2001 – 12/2003
- Scholarship of the German National Academic Foundation (Studienstiftung des deutschen Volkes), 11/1993 – 03/1999

Activities

- Programm committee member of the First Natural Language Generation Challenge on Generating Instructions in Virtual Environments 2009.
- ESSLLI 2001 Student Session, Program Committee Chair
- Reviewing for conferences (ACL 2004, 2005, and 2007, the ACL Student Research Workshop 2003, brandial 2006, the ESSLLI Student Session 2000 – 2004, 2008)

HLT-NAACL 2006, IJCNLP 2005 and 2008, IVA 2007, SIGdial 2007), journals (Artificial Intelligence Journal, Journal of Natural Language Engineering), and NSF and ESF.

- Organization of the Computer Science Seminar Series at Union College (2007–2008).
- Organization of the computational linguistics colloquium in Saarbrücken (2002–2004); webmaster for the web site of the computational linguistics institute in Saarbrücken (1999–2002)
- Supervision of students:
Marilisa Amoia, Atsuko Shimada, Simone Mayer: undergraduate research assistants, 2000–2004, InDiGen Project, Saarland University
Magan Sethi, Mustafa Hassan, Gabriela Mendieta, Rebecca Sameroff: undergraduate annotators, 2005, NUMACK Project, Northwestern University
Andrew Lovett: PhD student at Northwestern, independent study project, 2005
Crystal Nakatsu, Laura Stoia: PhD students at Ohio State, summer 2005, internship at Northwestern
Dana Cartwright, LJ McAllister, Hazen Woolson: senior projects, Union College

Internships and Research Assistant Positions

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| 10/98 – 12/99 | Project: CHORUS, Saarland University (semantic processing with concurrent constraints)
Supervisors: Joachim Niehren, Markus Egg |
| 10/96 – 09/98 | Project: Verbmobil, Saarland University (syntax and semantic construction for Japanese)
Supervisors: Björn Gambäck, CJ Rupp |
| 07/97 – 09/97 | ATR (Advanced Telecommunication Research) Laboratories, Kyoto, Japan (prosody prediction for german text-to-speech)
Supervisor: Nick Campbell |
| 10/94 – 07/95 | Project: BiLD, Saarland University (example based generation)
Supervisor: Christer Samuelsson |

Exchange Visits

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| 10/01 – 12/01 | ICCS (Institute for Communicating and Collaborative Systems), University of Edinburgh, UK. Research visit. |
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10/95 – 08/96 Institut for general linguistics, Tohoku University, Sendai, Japan.
Study abroad.

Languages

German (native), English (fluent), French (good), Spanish (good), Japanese (intermediate), Dutch (basics)

Publications

Theses

Striegnitz, K. (2004). *Contextual Reasoning in Sentence Planning — Generating Anaphoric Expressions*. Ph. D. thesis, Universität des Saarlandes and Université Henri Poincaré.

Striegnitz, K. (2000). On Modeling Meaning Shifts by Relaxing Underspecified Semantic Representations. Master's thesis, Saarland University.

Books

Blackburn, P., J. Bos, and K. Striegnitz (2006). *Learn Prolog Now!*, Volume 7 of *Texts in Computing*. King's College, London, UK: College Publications. ISBN 1-904987-17-6. Companion web-site at www.learnprolognow.org.

Journal Articles

Koller, A., R. Debusmann, M. Gabsdil, and K. Striegnitz (2004). Put my galakmid coin into the dispenser and kick it: Computational Linguistics and Theorem Proving in a Computer Game. *Journal of Logic, Language and Information: Special Issue on ICoS-3* 13, 187–206.

Koller, A., J. Niehren, and K. Striegnitz (2000). Relaxing Underspecified Semantic Representations for Reinterpretation. *Grammars* 3(2-3), 217–241. Special Issue on MOL-6.

Gabsdil, M. and K. Striegnitz (2000). Classifying Scope Ambiguities. *Journal of Language and Computation* 1(2), 307–313. Special Issue on ICoS-1.

Book Chapters

Striegnitz, K., P. Tepper, A. Lovett, and J. Cassell (In Press). Knowledge Representation for Generating Locating Gestures in Route Directions. In K. Coventry, T. Tenbrink, and J. Bateman (Eds.), *Spatial Language in Dialogue*. Oxford University Press.

- Cassell, J., S. Kopp, P. Tepper, K. Ferriman, and K. Striegnitz (2007). Trading Spaces: How Humans and Humanoids use Speech and Gesture to Give Directions. In T. Nishida (Ed.), *Engineering Approaches to Conversational Informatics*. Wiley.
- Gardent, C. and K. Striegnitz (2007). Generating Bridging Definite Descriptions. In H. Bunt and R. Muskens (Eds.), *Computing Meaning*, Volume 3. Kluwer Academic Publishers.
- Gardent, C., H. Manuélian, K. Striegnitz, and M. Amoia (2004). Generating Definite Descriptions: Non incrementality, inference and data. In T. Pechman and C. Habel (Eds.), *Multidisciplinary Approaches to Language Production*, pp. 53–85. Berlin: Mouton de Gruyter.
- Egg, M. and K. Striegnitz (2003). Type coercion from a natural language generation point of view. In H. Härtel and H. Tappe (Eds.), *Mediating between Concepts and Grammar*, Volume 152 of *Trends in Linguistics*, pp. 323–348. Berlin: Mouton de Gruyter.

Articles in Conference and Workshop Proceedings

- Areces, C., A. Koller, and K. Striegnitz (2008). Referring Expressions as Formulas of Description Logic. In *Proceedings of INLG 08 (the 5th International Natural Language Generation Conference)*.
- Striegnitz, K. and V. Barr (2008). Can Computers Think? - an introduction to computer science, programming and artificial intelligence. In *Proceedings of the AAAI Spring Symposium on Using Artificial Intelligence to Motivate Greater Participation in Computer Science*, pp. 104–105.
- Byron, D., A. Koller, J. Oberlander, L. Stoia, and K. Striegnitz (2007, April). Generating Instructions in Virtual Environments (GIVE): A Challenge and an Evaluation Testbed for NLG. In *Proceedings of the Workshop on Shared Tasks and Comparative Evaluation in Natural Language Generation*, Arlington, VA.
- Striegnitz, K., P. Tepper, A. Lovett, and J. Cassell (2005). Knowledge Representation for Generating Locating Gestures in Route Directions. In *Proceedings of the Workshop on Spatial Language and Dialogue*.
- Striegnitz, K. (2004). Two Kinds of Alternative Sets and a Marking Principle — When to Say "also". In *Proceedings of the Third International Conference on Natural Language Generation (INLG04)*. Presented in the Student Session of INLG04.
- Gabsdil, M., A. Koller, and K. Striegnitz (2002). Natural Language and Inference in a Computer Game. In *Proceedings of Coling 2002*, pp. 294–300.
- Koller, A. and K. Striegnitz (2002). Generation as Dependency Parsing. In *Proceedings of the 40th Annual Meeting of the Association for Computational Linguistics*, pp. 17–24.

- Gardent, C. and K. Striegnitz (2001). Generating Indirect Anaphora. In *Proceedings of the 4th International Workshop on Computational Semantics (IWCS-4)*, pp. 138–155.
- Striegnitz, K. (2001). Model Checking for Contextual Reasoning in NLG. In P. Blackburn and M. Kohlhase (Eds.), *Proceedings of the 3rd Workshop on Inference in Computational Semantics (ICoS-3)*, pp. 101–115.
- Gabsdil, M., A. Koller, and K. Striegnitz (2001). Building a Text Adventure on Description Logic. In *Proceedings of the KI-2001 Workshop on Applications of Description Logics*, Vienna.
- Gabsdil, M., A. Koller, and K. Striegnitz (2001). Playing With Description Logic – Application Description. In *Proceedings of Methods for Modalities*, ILLC, Amsterdam.
- Gabsdil, M. and K. Striegnitz (1999). Classifying Scope Ambiguities. In C. Monz and M. de Rijke (Eds.), *Proceedings of the 1st Workshop in Inference in Computational Semantics (ICoS-1)*, pp. 125–131.
- Koller, A., J. Niehren, and K. Striegnitz (1999). Relaxing Underspecified Semantic Representations for Reinterpretation. In *Proceedings of the 6th Workshop on the Mathematics of Language (MOL-6)*, pp. 73–87.

Edited Volumes

- Striegnitz, K. (Ed.) (2001). *Proceedings of the ESSLLI Student Session*. Available at <http://www.coli.uni-saarland.de/~kris/esslli01/proc.ps.gz>.