

Christian F. Hempelmann, Ph.D.

Curriculum Vitae

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Assistant Professor of Computational Linguistics

Department of Literature and Languages

Hall of Languages 226

c.hempelmann@tamuc.edu

(903) 886-5291

Director, Ontological Semantic Technology Laboratory

Business Administration 250A

ontology@tamuc.edu

Texas A&M University-Commerce

Commerce, TX 75429

Full-time Research and Professional Experience

- since August 2012
Assistant Professor of Computational Linguistics, Department of Literature and Languages, Texas A&M University-Commerce, Commerce, Texas.
 - Director of the Ontological Semantic Technology Lab: www.tamuc.edu/ontology
 - Member of the Applied Linguistics Lab
- since November 2009
Visiting Scholar and Assistant Research Professor, Interdepartmental Program in Linguistics, Center for Education and Research in Information Assurance and Security, Purdue University, West Lafayette, Indiana:
 - Researcher in natural language processing for information security.
 - Part-time instructor in linguistics.
- November 2008 – August 2011
Director of Ontological Semantics, RiverGlass Inc., Champaign, Illinois:
 - Leader of the research and development team for ontological semantics.
 - Supervising Ph.D.-level linguist researchers and computer-science developers.
 - Creating patented semantic natural language processing technology for law enforcement, cybersecurity, enterprise search, and ediscovery.
 - Coordinating research and development with sales and user interface design.
- August 2006 – October 2008
Chief Scientific Officer, hakia Inc., New York, New York:
 - Supervision and implementation of all natural language aspects for internet search engine development and operation.
 - Creating novel applications based on computational ontological semantics.
 - Recruitment, training, and supervision of international teams for various languages.

- Cooperation with marketing and sales.
- August 2005 – July 2006
Assistant Professor of Linguistics, Department of Writing and Linguistics of Georgia Southern University Statesboro, Georgia.
- July 2004 – July 2005
Postdoctoral Researcher, Institute for Intelligent Systems of the University of Memphis, Memphis, Tennessee.
- August 2000 – August 2003
Graduate Research Assistant, Center for Education and Research in Information Assurance and Security (CERIAS) at Purdue University, West Lafayette, Indiana.
- August 2000 – August 2003
Graduate Teaching Assistant, English Department of Purdue University: taught introductory composition and linguistics courses.
- August 1998 – June 2000
Graduate Teaching and Research Assistant, English Department of Youngstown State University, Youngstown, Ohio.
- August 1991 – August 1998
Editor, Translator, and IT Supervisor, international quarterly *Textileforum* published by Textilwerkstatt-Verlag, European Textile Network, Hannover, Germany.

Education

- *Ph.D. in Linguistics*, August 2003
Interdepartmental Program in Linguistics at Purdue University.
 - Dissertation: "Paronomasic Puns: Target Recoverability towards Automatic Generation"
 - Dissertation committee: Victor Raskin (chair), Salvatore Attardo, Shaun Hughes, Mary Niepokuj, Sergei Nirenburg
 - Primary area: computational linguistics (ontological semantics, NLP for information security); secondary areas: linguistic humor studies, theoretical linguistics, phonology and historical linguistics
- *M.A. in English*, June 2000
Specialization in TESOL, Youngstown State University, supervised by Salvatore Attardo
- *M.A. in English Linguistics, secondary area Religious Studies*, June 1998
[Magister Artium der Englischen Sprachwissenschaft, Zweitfach Religionswissenschaft; includes and supercedes the bachelor degree], Leibniz-Universität Hannover, additional areas: Mathematics, German literature, supervised by Rainer Schulze and Peter Antes
- *Abitur*, 1991
[a degree above high school, with 2 years of specialization] Major in mathematics, Ancient Greek, and German literature, Kaiser-Wilhelms-Gymnasium, Hannover, Germany

Further Research and Professional Experience

- January – May 2012
Consultant for the project "Anonymizing Textual Data and its Impact on Utility" (NSF 09-558 Trustworthy Computing), Computer Science, Purdue University, on automatically anonymizing

- patient data in health records
- May 2006 – July 2006
Visiting Researcher for the project "The Lexical Field 'Humor': Wortfeld, Micro-Ontology, and Psychological Reality" at the Division for Personality and Assessment of the Department of Psychology of the University of Zurich, Switzerland.
- May 2005 – July 2006
Supervisor for Ontological Semantics Acquisition Development, hakia Inc., New York, and Moscow State Lomonosov University, Moscow, Russian Federation.
- February 2005 – July 2006
Senior Consultant for Ontological Semantics for hakia Inc., New York.
- May 2005
Co-Director of the Lexical Acquisition School, Moscow State Lomonosov University, Moscow, Russian Federation.
- October 2003 – March 2004
Consultant for NLP projects at the Institute for Language and Information Technologies (ILIT) of the University of Maryland Baltimore County, Baltimore, Maryland.
- November 1997 – March 1998
Editor of the print-ready copy for Schulze, Rainer. ed. *Making Meaningful Choices in English*. Tübingen: Narr. 1998.
- July 1995 – September 1995
Clerical Intern at the University of Central England in Birmingham, United Kingdom.
- since 1995
Free-lance Translator (German-English, English-German) and editor; special areas: linguistics, psychology, movie scripts and postproduction, textile culture and history, biochemistry, automotive mechanics, military history, materials science.

Teaching Experience

- *Computational Linguistics*
Fall 2013, graduate linguistics and computer science course
- *Old English*
Texas A&M-Commerce; Summer 2013, graduate language course
- *Graduate Introduction to Semantics*
Texas A&M-Commerce; Spring 2013, graduate linguistics course
- *Structure of the English Language*
Texas A&M-Commerce; Spring 2013, graduate linguistics course
- *Developing a Course in Statistics for Linguists*
Texas A&M-Commerce; Spring 2013, graduate individual studies linguistics course
- *General Linguistics*
Texas A&M-Commerce; Fall 2012, Fall 2013, graduate linguistics course
- *Psycholinguistics*
Texas A&M-Commerce; Fall 2012, graduate linguistics course
- *Modern Grammar*
Texas A&M-Commerce; Fall 2012, undergraduate linguistics course
- *Introduction to Linguistics, Ontological Semantics, Linguistic Humor Theory*

Purdue University; Fall 2008 to Fall 2011, graduate linguistics courses, supplementary teaching for Victor Raskin

- *Computational Linguistics*
Georgia Southern, Spring 2006; undergraduate linguistics course
- *Semantics*
Georgia Southern, Spring 2006; undergraduate linguistics course
- *Composition I*
Georgia Southern, Fall 2005; YSU, Fall 1998 to Spring 1999; Purdue, Fall 2000
- *Introduction to Natural Language Processing*
Fall 2004, University of Memphis; graduate course, supplementary teaching for Vasile Rus
- *Introduction to Linguistics*
YSU, Spring 1999 to Fall 2000; undergraduate linguistics course
- *Elements of Linguistics*
Purdue, Fall 2002; introductory undergraduate linguistics course
- *Composition II*
Georgia Southern, Spring 2006; Purdue, Spring 2001
- *Introduction to Linguistics*
Purdue, Fall 2001, Summer 2003; graduate course, supplementary teaching for Victor Raskin
- *Ontological Semantics*
Purdue, Fall 2001; graduate course, supplementary teaching for Victor Raskin

Academic and University Service

- Member of the Editorial Board
 - *HUMOR - International Journal of Humor Research* (since 2011; Consulting Editor since 2005; Reviewer since 2000)
 - *International Journal on Advances in Intelligent Systems* (since 2009)
- Referee for Journal
 - *Journal of Design and Process Sciences* (since 2013)
 - *Education Research Journal* (since 2012)
 - *Journal of Data Mining, Modelling and Management* (since 2010)
 - *IEEE Potentials* (since 2009)
 - *Journal of Pragmatics* (since 2009)
 - *Discourse Processes* (since 2005)
- Committee Chair and Member for Conference
 - Program Committee Member for the *Florida Artificial Intelligence Research Society (FLAIRS)*. General conference and special tracks (since 2005)
 - Awards Committee Chair at the *2nd International Conference on Robot Intelligence Technology and Applications (RITA)*, December 18-20, 2013, Denver, CO.
 - Program Committee Member for the *Northeastern Texas Humor Research Conference (NETHRC)*, Dallas, TX (since 2013)
 - Program Committee Member for *COLING*. International Conference on Computational Linguistics (since 2012)
 - Program Committee Member for the *Artificial Intelligence of Humor AAAI Fall Symposium*, Washington, DC (2012)

- Program Committee Member for the *Web Intelligence for Information Security Workshop at the WI-IAT Conference*. Lyon, France (2011)
- Program Committee Member for the *Society for Design and Process Science*. Jeju Island, Korea (2011)
- Program Committee Member for the *Computational Linguistics - Applications at the International Multiconference on Computer Science and Information Technology*. Poland (2009)
- Program Committee Member for the *SEMAPRO International Conference on Advances in Semantic Processing* (2009)
- Reviewer
 - *SDPS Society for Design and Process Science Conference* (since 2013)
 - *SDPS Transactions: Journal of Integrated Design and Process Science*
 - *National Science Foundation, Secure and Trustworthy Cyberspace (SaTC) Program* (2013)
 - *CogSci, Cognitive Science Society Annual Meeting* (since 2007)
 - *Cambridge University Press* (2013)
 - Katholieke Universiteit Leuven, Belgium (2006)
 - U.S. Civilian Research & Development Foundation for the Independent States of the Former Soviet Union (CRDF) (2002)
- Ph.D. Dissertation Committee Member
 - Madeline Dahl, Media and Communication Studies, University Mannheim, Germany (since 2013)
 - Charlotte Fofu Lomotey, Department of Literature and Languages, Texas A&M University-Commerce, Texas (since 2013)
 - Whitney Vandiver, Interdepartmental Program in Linguistics, Purdue University, West Lafayette, Indiana (graduated 2011)
 - William Eyre, Center for Education and Research in Information Assurance and Security, Purdue University, West Lafayette, Indiana (2009)
 - Andrea Samson, Department of Psychology, University of Fribourg, Switzerland (graduated 2008)
 - Michele Sala, Università degli Studi di Bergamo, Italy (graduated 2004)
- Master's Thesis Committee Member
 - Gideon Mazambani, Department of Computer Science and Information Systems, Texas A&M University-Commerce, Texas (2013)
 - Simon Slobodnik, Center for Education and Research in Information Assurance and Security, Purdue University, West Lafayette, Indiana (2012)
 - Jie Zhang, Interdepartmental Program in Linguistics, Purdue University, West Lafayette, Indiana (2009)
 - Maryana Bendus, Interdepartmental Program in Linguistics, Purdue University, West Lafayette, Indiana (2009)
- Organizer of Events
 - Organizer of a Training Workshop in the Facial Action Coding System conducted by Ursula Beermann (UC Berkeley), College of Humanities, Social Sciences, and Arts, Texas A&M University-Commerce, June-October 2013.
 - Co-organizer with Owen Lynch (Southern Methodist University) of the *3rd Northeastern*

- Texas Humor Research Conference* (NETHRC), Dallas, TX, February 22-24, 2013.
 Keynote speaker: Dr. Shaquille O'Neal. www.tamuc.edu/humor
- Co-organizer with Philip M. McCarthy of the special track "Applied Natural Language Processing" and General Program Committee Member at the *20th International FLAIRS (Florida Artificial Intelligence Research Society) Conference*. Key West, Florida (2007)
 - Co-organizer with Andrea C. Samson of two symposia on Cartoon Humor Research at the Youngstown and Copenhagen conferences of the International Society for Humor Studies (2005/2006)
 - Committee Memberships
 - Academic Technology Advisory Committee (ATAC; since 2013)
 - graduate certificate in digital humanities degree committee, Dept. of Literature and Languages, Texas A&M-Commerce (since 2013)
 - Curriculum Committee, Dept. of Literature and Languages, Texas A&M-Commerce (since 2013)
 - TESOL degree committee, Dept. of Literature and Languages, Texas A&M-Commerce (since 2012)
 - Linguistics Committee, Dept. of Literature and Languages, Texas A&M-Commerce (since 2012)
 - Scholarship Committee, Dept. of Literature and Languages, Texas A&M-Commerce (since 2012)
 - Job Search Committee for the position of Director of the English Language Institute, Texas A&M University-Commerce (2013)
 - Technology, Teaching & Writing Committee, Dept. of Writing and Linguistics, Georgia Southern (2005/2006)
 - Georgia Southern Linguistics Circle Sponsor (2005/2006)
 - Computers and Composition Committee, Purdue, Macintosh Tutorials and Resource Collections (2000 – 2003)
 - Secretary of the Purdue Linguistics Association (PLA) (2002/2003)
 - Founding President of the Purdue Linguistics Association (PLA) (2000 – 2002)
 - Graduate Student Delegate to the English Department, YSU (1999/2000)
 - Committee Chair
 - graduate certificate in computational linguistics committee, Dept. of Literature and Languages, Dept. of Computer Science and Information Technology, Texas A&M-Commerce (since 2012)

Publications

- Books
 - Christian F. Hempelmann. In preparation (2014). *The Linguistics of the Pun*. Solicited by the Humor Research Series. Berlin, New York: Mouton de Gruyter.
 - Christian F. Hempelmann. 2010. *Incongruity and Resolution of Humorous Narratives —Linguistic Humor Theory and the Medieval Bawdry of Rabelais, Boccaccio, and Chaucer*. Saarbrücken: VDM Verlag.
- Articles
 - Journal Papers

- Max Petrenko and Christian F. Hempelmann. 2013. "Robotic Reasoning with Ontological Semantic Technology." *Advances in Intelligent Systems and Computing* 208: 883-892.
- Victor Raskin, Julia M. Taylor, and Christian F. Hempelmann. 2013. "Meaning- and Ontology-Based Technologies for High-Precision Language and Information-Processing Computational Systems." *Advanced Engineering Informatics*. 27: 4-12.
- Christian F. Hempelmann and Salvatore Attardo. 2011. "Resolutions and Their Incongruities: Further Thoughts on Logical Mechanisms." *HUMOR – International Journal of Humor Research*. 24-2: 125-149.
- Andrea C. Samson and Christian F. Hempelmann. 2011. "Humor with Background Incongruity: Does More Required Suspension of Disbelief Affect Humor Perception?" *HUMOR – International Journal of Humor Research*. 24-2: 167-186.
- Nancy Bell, Scott C. Crossley, and Christian F. Hempelmann. 2011. "Word Play in Church Marquees." *HUMOR – International Journal of Humor Research*. 24-2: 187-202.
- Victor Raskin, Christian F. Hempelmann, and Julia M. Taylor. 2010. "How to Understand and Assess a Theory: The Evolution of the SSTH into the GTVH and Now into the OSTH." *Journal of Literary Theory*. 3-2: 285-312.
- Andrea C. Samson, Christian F. Hempelmann, Oswald Huber, and Stefan Zysset. 2009. "Neural substrates of Incongruity-Resolution and Nonsense Humor." *Neuropsychologia* 47: 1023-1033.
- René Proyer, Christian F. Hempelmann, and Willibald Ruch. 2009. "They're All Gonna Laugh at You! Or are They? Are Gelotophobes Actually Laughed at?" *HUMOR – International Journal of Humor Research*. 22-2: 213-232.
- Christian F. Hempelmann. 2007. "The Epic Tanganyika Laughter Epidemic Revisited." *HUMOR – International Journal of Humor Research*. 20-1: 49-71.
- Christian F. Hempelmann, Vasile Rus, Arthur C. Graesser, and Danielle S. McNamara. 2006. "Evaluating State-of-the-Art Treebank-style Parsers for Coh-Metrix and Other Learning Technology Environments." *Natural Language Engineering*. 12-2: 131-144.
- Christian F. Hempelmann and Willibald Ruch. 2005. "3WD Meets GTVH: Psychology and Linguistics Break the Ground for Interdisciplinary Humor Research." *HUMOR – International Journal of Humor Research*. 18-4: 353-387.
- Christian F. Hempelmann. 2004. "Script Oppositeness and Logical Mechanism in Punning." *HUMOR – International Journal of Humor Research*. 17-4: 381-392.
- Christian F. Hempelmann. 2003. "'99 nuns giggle, 1 nun gasps:' The not-all-that-Christian Natural Class of Christian Jokes." *HUMOR – International Journal of Humor Research*. 16-1: 1-31.
- Salvatore Attardo, Christian F. Hempelmann, Sara Di Maio. 2003. "Script oppositions and logical mechanisms: Modeling incongruities and their resolutions." *HUMOR – International Journal of Humor Research*. 15-1: 3-46.
- Book Chapters
 - Christian F. Hempelmann. accepted for publication. "Puns," "Humor, computer-generated," "Mechanisms of humor," and "Reception of humor." Entries in: Salvatore, Attardo. Ed. *Encyclopedia of Humor*. Thousand Oaks, CA: Sage.

- Christian F. Hempelmann and Ursula Beermann. 2013. "Vielfalt und Einfalt im Humor amerikanischer Studierender: Lehre, zentrale Themen und Anwendung in künstlicher Intelligenz." [Multiplicity and Simplicity in the Humor of American Students: Teaching, Central Themes, and Artificial Intelligence.] In: Lohse, Rolf and Friedrich Block. Eds. *Der Wandel des Komischen*. Kulturen des Komischen, Vol. 5. Bielefeld: Aisthesis: 331-359.
- Christian F. Hempelmann. 2012. "NLP for Search." In: McCarthy, Philip M., and Chutima Boonthum-Denecke. Eds. *Applied Natural Language Processing: Identification, Investigation, and Resolution*. Hershey, PA: IGI Global: 53-74.
- Philip M. McCarthy, David Dufty, Christian F. Hempelmann, Danielle S. McNamara, and Arthur C. Graesser. 2012. "Newness and Givenness of Information: Automated Identification in Written Discourse." In: McCarthy, Philip M., and Chutima Boonthum-Denecke. Eds. *Applied Natural Language Processing: Identification, Investigation, and Resolution*. Hershey, PA: IGI Global: 457-478.
- Christian F. Hempelmann. 2010. "Geld und Humor: Spiel mit Symbolen und ihren Werten." [Money and Humor: Playing with Symbols and Their Values.] In: Röhm, Uli. Ed. *Das große Buch vom Geld*. [The Big Book about Money.] Heidelberg: Edition Braus: 216-223.
- Christian F. Hempelmann. 2008. "Computational Humor: Beyond the Pun?" In: Raskin, Victor. Ed. *The Primer of Humor Research*. Berlin, New York: Mouton de Gruyter: 335-363.
- Christian F. Hempelmann and Andrea C. Samson. 2008. "Cartoons: Drawn Jokes?" In: Raskin, Victor. Ed. *The Primer of Humor Research*. Berlin, New York: Mouton de Gruyter: 613-644.
- Christian F. Hempelmann and Andrea C. Samson. 2007. "Visual Puns and Verbal Puns: Descriptive Analogy or False Analogy?" In: Popa, Diana and Salvatore Attardo. Eds. *New Approaches to the Linguistics of Humor*. Galati: Editura Academica: 180-196.
- Proceedings
 - Christian F. Hempelmann and Max Petrenko. in press. "Knowledge Representation and Adaptation in Ontological Semantic Technology." *Semantic Computing. Proceedings of the 7th IEEE International Conference on Semantic Computing 2013*. Hoboken, NJ: Wiley.
 - Arslan, Abdullah N., Christian F. Hempelmann, Carlo Di Ferrante, Salvatore Attardo, and Nikolay Metodiev Sirakov. 2013. "From Shape to Threat: Exploiting the Convergence Between Visual and Conceptual Organization for Weapon Identification and Threat Assessment." In: Sadjadi, Firooz A. and Abhijit Mahalanobis. Eds. *Automatic Target Recognition XXIII. Proceedings of SPIE 0277-768X, V. 8744*. Bellingham, WA: SPIE. 87440P. pp. 1-15. doi: 10.1117/12.2015591.
 - Christian F. Hempelmann. "Formal Humor Logic Beyond Second-Most Plausible Reasoning." *Artificial Intelligence of Humor. Papers from the 2012 AAI Fall Symposium. Technical Report FS-12-02. AAI Press*. 14-17.
 - Christian F. Hempelmann. "False Logic, Formally?" In: Anton Nijholt. Ed. *Computational Humor 2012. Proceedings of the 3rd International Workshop on*

- Computational Humor*. Universiteit Twente, Enschede, NL. June 8, 2012.
- Julia M. Taylor, Victor Raskin, Christian F. Hempelmann. "From Disambiguation Failures to Common-Sense Knowledge Acquisition: A Day in the Life of an Ontological Semantic System." In Randy Gilof. Ed. *Proceedings of the Web Intelligence and Intelligent Agent Technology Conference*. IEEE, August 2011.
 - Christian F. Hempelmann and Vikas Mehra. "Baseline Semantic Spam Filtering." In Randy Gilof. Ed. *Proceedings of the Web Intelligence and Intelligent Agent Technology Conference*. IEEE, August 2011: 273-276.
 - Victor Raskin, Christian F. Hempelmann, and Julia M. Taylor. "The Ontological Semantic Alternative: A Meaning Based Path to Natural Language Understanding." In: *Proceedings of the Society for Design and Process Science Conference*. Jeju Island, Korea, June 2011.
 - Christian F. Hempelmann. "Spam Filtering with Meaning Density." In: *Proceedings of the Society for Design and Process Science Conference*. Jeju Island, Korea, June 2011.
 - Julia M. Taylor, Victor Raskin, Maxim S. Petrenko, Christian F. Hempelmann. "Multiple Noun Expression Analysis: An Implementation of Ontological Semantic Technology," *Computational Linguistics – Applications*. Workshop, Wisla, Poland, October 2010.
 - Julia M. Taylor, Victor Raskin, Christian F. Hempelmann, Salvatore Attardo. "An Unintentional Inference and Ontological Property Defaults," *International Conference on Systems, Man and Cybernetics*. Istanbul, Turkey, October 2010.
 - Victor Raskin, Julia M. Taylor and Christian F. Hempelmann. "Ontological Semantic Technology for Detecting Insider Threat and Social Engineering." In: *Proceedings of the New Security Paradigms Workshop 2010*. New York: ACM, 115-128.
 - Christian F. Hempelmann, Julia M. Taylor, and Victor Raskin. "Application-guided Ontological Engineering." In: H.A. Arabnia, D. de la Fuente, E. B. Kozerenko, and J. A. Olivas. Eds. *Proceedings of the 2010 International Conference on Artificial Intelligence ICAI*. Las Vegas, NE, July 2010, 843-849.
 - Julia M. Taylor, Victor Raskin, Christian F. Hempelmann, Whitney R. Vandiver. "Computing the Meaning of Number Expressions in English: The Common Case," In H.A. Arabnia, D. de la Fuente, E. B. Kozerenko, and J. A. Olivas. Eds. *Proceedings of the 2010 International Conference on Artificial Intelligence ICAI*. Las Vegas, NE, July 2010, 914-920.
 - Julia M. Taylor, Christian F. Hempelmann, Victor Raskin. "On an Automatic Acquisition Toolbox for Ontologies and Lexicons in Ontological Semantics," In: H.A. Arabnia, D. de la Fuente, E. B. Kozerenko, and J. A. Olivas. Eds. *Proceedings of the 2010 International Conference on Artificial Intelligence ICAI*. Las Vegas, NE, July 2010, 863-869.
 - Victor Raskin, Christian F. Hempelmann, Julia M. Taylor. "Guessing vs. Knowing: The Two Approaches to Semantics in Natural Language Processing." In A. E. Kibrik. Ed. *Proceedings of Annual International Conference Dialogue 2010*. Moscow, Russia, May 2010.
 - Christian F. Hempelmann and Victor Raskin. "hakia: Doing Semantic Search

Semantically." *Proceedings of the 2nd Annual European Semantic Technology Conference*. Vienna, Austria. September 24-16, 2008.

- Victor Raskin, Christian F. Hempelmann, Katrina E. Triezenberg, Brian Buck, and Arthur Keen. "Accessing and Manipulating Meaning of Textual and Data Information for Information Assurance and Security and Intelligence Information." In: *Proceedings of the Cyber Security and Information Intelligence Research Workshop*. Oak Ridge National Laboratory, Oak Ridge, Tennessee. May 12-14, 2008.
- Christian F. Hempelmann and Victor Raskin. "Semantic Search: Content vs. Formalism." *Proceedings of LangTech 2008*. 28-29 February. Rome, Italy: Fondazione Ugo Bordoni. available at: http://langtech.fub.it/en/technical_program/fp/32_Hempelmann.pdf
- Christian F. Hempelmann, Victor Raskin, Riza C. Berkan, and Katrina E. Triezenberg. "Ontological-Semantic Internet Search." In: Sahlgren, Magnus and Ola Knutsson. Eds. *Proceedings of the Workshop Semantic Content Acquisition and Representation (SCAR) 2007. SICS Technical Report T2007-06*. Swedish Institute of Computer Science, Stockholm, Sweden. ISSN 1100-3154: 35.
- Christian F. Hempelmann. "Beyond Proof-of-Concept: Implementing Ontological Semantics as a Commercial Product." In: Raskin, Victor and John Spartz. Eds. *Proceedings of the 4th Midwest Computational Linguistics Colloquium 2007*. Purdue University, West Lafayette, Indiana. April 28, 2007.
- Christian F. Hempelmann, Katrina E. Triezenberg, Chris Gates, Victor Raskin, and Riza C. Berkan. "Multiword Expressions in Ontological-Semantic Lexicons." In: Raskin, Victor and John Spartz. Eds. *Proceedings of the 4th Midwest Computational Linguistics Colloquium 2007*. Purdue University. West Lafayette, Indiana, April 28, 2007.
- Christian F. Hempelmann, Victor Raskin and Katrina E. Triezenberg. "Computer, Tell Me a Joke ... but Please Make it Funny: Computational Humor with Ontological Semantics." In: Russell, Ingrid and Zdravko Markov. Eds. *Proceedings of the 18th International Florida Artificial Intelligence Research Society*. Menlo Park, CA: AAAI Press. 2006: 746-751.
- Christian F. Hempelmann, David Dufty, Philip M. McCarthy, Arthur C. Graesser, Zhiquiang Cai, and Danielle S. McNamara. "Using LSA to Automatically Identify Givenness and Newness of Noun Phrases in Written Discourse." In: *Proceedings of the XXVII Annual Meeting of the Cognitive Science Society*. Stresa, Italy. 2005: 941-949.
- Christian F. Hempelmann, Vasile Rus, Arthur C. Graesser, and Danielle S. McNamara. "Evaluating State-of-the-Art Treebank-style Parsers for Coh-Metrix and Other Learning Technology Environments." In: *Proceedings of the Second Workshop on Building Educational Applications Using Natural Language Processing and Computational Linguistics at the ACL Conference 2005*. Ann Arbor, MI: 69-76.
- Christian F. Hempelmann, Julija Televnaja, Krista Bennett, and Katrina E. Triezenberg. "Semantic Representation of English Phrasal Verbs." In: Klopotek, Mieczyslaw A., Slawomir T. Wierchon, and Krzysztof Trojanowski. Eds.

Intelligent Information Processing and Web Mining. Proceedings of the International IIS: IIPWM'04 Conference. Zakopane, Poland. Berlin: Springer. 2004.

- Christian F. Hempelmann. "An Ynperfect Pun Selector for Computational Humor." In: Cavar, Damir and Paul Rodriguez. Eds. *Proceedings of the First Annual Midwest Colloquium in Computational Linguistics.* Bloomington, IN: Indiana University. 2004.
- Christian F. Hempelmann, Victor Raskin, and Katrina E. Triezenberg. "Semantic Forensics: NLP Systems for Deception Detection." In: Cavar, Damir and Paul Rodriguez. Eds. *Proceedings of the First Annual Midwest Colloquium in Computational Linguistics.* Bloomington, IN: Indiana University. 2004.
- Victor Raskin, Christian F. Hempelmann, Krista Bennett, Katrina E. Triezenberg, Evguenia Malaya, and Dina Mohamed. "The Purdue Ontological Semantics Project." In: Cavar, Damir and Paul Rodriguez. Eds. *Proceedings of the First Annual Midwest Colloquium in Computational Linguistics.* Bloomington, IN: Indiana University. 2004.
- Victor Raskin, Christian F. Hempelmann, and Katrina E. Triezenberg. "Semantic Forensics: An Application of Ontological Semantics to Information Assurance." *Proceedings of the Second Workshop on Text Meaning and Interpretation at the ACL Conference.* Barcelona: ACL. 2004: 105-112.
- Victor Raskin, Sergei Nirenburg, Christian F. Hempelmann, Inna Nirenburg, and Katrina E. Triezenberg. "The Genesis of a Script for Bankruptcy in Ontological Semantics." *Proceedings of HLT-NAACL 2003.* Edmonton, Canada. New York: ACL. 2003. 30-37.
- Mikhail J. Atallah, Victor Raskin, Christian F. Hempelmann, Mercan Karahan, Radu Sion, Umut Topkara, and Katrina E. Triezenberg. "Natural Language Watermarking and Tamperproofing." In: Petitcolas, Fabien A. P. Ed. *Information Hiding, 5th International Workshop, IH 2002.* Berlin: Springer. 2002: 196-210.
- Victor Raskin, Sergei Nirenburg, Mikhail J. Atallah, Christian F. Hempelmann, and Katrina E. Triezenberg. "Why NLP Should Move into IAS." In: Krauwer, Steven (on behalf of ELSNET). Ed. *Proceedings of the Workshop on a Roadmap for Computational Linguistics at COLING 2002.* Utrecht: ELSNET. 2002: 1-7.
- Victor Raskin, Christian F. Hempelmann, Katrina E. Triezenberg, and Sergei Nirenburg. "Ontology in Information Security: A Useful Theoretical Foundation and Methodological Tool." In: Raskin, Victor and Christian F. Hempelmann. Eds. *Proceedings of the New Security Paradigms Workshop 2001.* New York: ACM. 2002: 53-59.
- Mikhail J. Atallah, Victor Raskin, Michael Crogan, Christian F. Hempelmann, Florian Kerschbaum, Dina Mohamed, and Sanket Naik. "Natural Language Watermarking: Design, Analysis, and a Proof-of-concept Implementation." In: Moskowitz, Ira S. Ed. *Information Hiding. Proceedings of the Fourth International Workshop IH 2001.* Berlin: Springer. 2001: 185-199.
- Book Reviews
 - Christian F. Hempelmann. "Stephen Halliwell. *Greek Laughter. A Study of Cultural Psychology from Homer to Early Christianity.* Cambridge: CUP. 2008."

HUMOR – International Journal of Humor Research. forthcoming.

- Christian F. Hempelmann. "Eckart Schörle. Die Verhöflichung des Lachens. Lachgeschichte im 18. Jhd. [Making Laughter Courtly. A History of Laughter in the 18th Century.] Bielefeld: Aisthesis. 2007." *HUMOR – International Journal of Humor Research*. 25-4.
- Christian F. Hempelmann. 2011. "Belem Santana López. 2006. Wie wird das Komische übersetzt? [How is Humor Translated?] Berlin: Frank & Timme." *HUMOR – International Journal of Humor Research*. 21-3: 362-370.
- Christian F. Hempelmann. 2008. "Recent Developments in Linguistic Humor Theory." *HUMOR – International Journal of Humor Research*. 21-4: 453-471.
- Christian F. Hempelmann and Willibald Ruch. 2005. "Ralph Müller. Theorie der Pointe. [Theory of the Pointe.] Paderborn: Mentis. 2003." *HUMOR – International Journal of Humor Research*. 18-1: 108-110.
- Christian F. Hempelmann. 2004. "Phillip Glenn. Laughter in Interaction. Cambridge: CUP. 2003." linguistlist.org 15-1438.
- Christian F. Hempelmann. 2003. "Uwe Wirth. Diskursive Dummheit: Abduktion und Komik als Grenzphänomene des Verstehens. [Stupidity in Discourse: Abduction and Humor as Fringe Phenomena of Understanding.] Heidelberg: Winter. 1999." *HUMOR – International Journal of Humor Research* 16-3: 331-37.
- Technical Reports
 - Christian F. Hempelmann and Katrina E. Triezenberg. "Methodology of Ontological Semantic Acquisition. A Tutorial Set for the Massive Ontological Semantic Acquisition Development." Moscow: Lomonosov University, 2005. TR 2005-101, a Technical Report, Center for Education and Research in Information Assurance and Security (CERIAS), Purdue University, West Lafayette, IN.
 - Christian F. Hempelmann and Vasile Rus. "Implementing Anaphora Resolution in Coh-Matrix." Technical Report. Institute for Intelligent Systems, University of Memphis. 2005.
 - David Dufty, Christian F. Hempelmann, Arthur C. Graesser, and Danielle S. McNamara. "Automatic assessment of causal and intentional cohesion in Coh-Matrix." With Technical Report, Institute for Intelligent Systems, University of Memphis. 2005.
 - Scott Crossley, Christian F. Hempelmann, Arthur C. Graesser, Max M. Louwerse, and Danielle S. McNamara. "Automatic assessment of temporal cohesion in Coh-Matrix." Technical Report, Institute for Intelligent Systems, University of Memphis. 2005.
 - Victor Raskin, Mikhail Atallah, and Christian F. Hempelmann. "Developing an Automatic Hybrid Data and Text System for Downgrading Sensitive Documents." Technical Report. Center for Education and Research in Information Assurance and Security (CERIAS), Purdue University, West Lafayette, IN. 2000.
- Edited Proceedings
 - Christian F. Hempelmann and Victor Raskin. 2007. Eds. *Proceedings of the New Security Paradigms Workshop, Schloss Dagstuhl, Germany, 2006*. New York: ACM Press.
 - Christian F. Hempelmann and Victor Raskin. 2006. Eds. *Proceedings of the New*

Security Paradigms Workshop, Lake Arrowhead, California, 2005. New York: ACM Press.

- Christian F. Hempelmann and Victor Raskin. 2005. Eds. *Proceedings of the New Security Paradigms Workshop, Nova Scotia, Canada, 2004*. New York: ACM Press.
- Christian F. Hempelmann and Victor Raskin. 2004. Eds. *Proceedings of the New Security Paradigms Workshop, Ascona, Switzerland, 2003*. New York: ACM Press.
- Victor Raskin and Christian F. Hempelmann. 2003. Eds. *Proceedings of the New Security Paradigms Workshop, Virginia Beach, Virginia, 2002*. New York: ACM Press.
- Victor Raskin and Christian F. Hempelmann. 2002. Eds. *Proceedings of the New Security Paradigms Workshop, Cloudcroft, New Mexico, 2001*. New York: ACM Press.

Presentations

- Conference Presentations
 - Shigehito Menjo and Christian F. Hempelmann. (forthcoming). "How do Japanese not differentiate smiling and laughing?" Poster presentation at the *Dallas-Fort Worth Metroplex Linguistics Conference*. Graduate Institute of Applied Linguistics, Dallas, TX. October 26, 2013.
 - Elisa Gironzetti and Christian F. Hempelmann. (forthcoming). "A Method to Approach the Lexical Field of Smiling and Laughing." Poster presentation at the *Fort Worth Metroplex Linguistics Conference*. Graduate Institute of Applied Linguistics, Dallas, TX. October 26, 2013.
 - Christian F. Hempelmann and Max Petrenko. "Knowledge Representation and Adaptation in Ontological Semantic Technology." *7th IEEE International Conference on Semantic Computing*, Irvine, CA, September 2013.
 - Ursula Beermann, Laura R. Saslow, Sarina R. Saturn, Christian F. Hempelmann, Dacher Keltner. "Perceptions of prosociality in the sound of a laugh." *2013 Conference of the International Society for Research on Emotion (ISRE)*, University of California, Berkeley, CA, August 2013.
 - Christian F. Hempelmann. "Laughing and Smiling: An Interlingual Lexical Field Study." *2013 Conference of the International Society for Humor Studies*. College of William and Mary, Williamsburg, VA, July 2013.
 - Geoffrey Clegg and Christian F. Hempelmann. "Directed and Undirected Resolution in Absurd and Nonsensical Humor." Paper presentation at the *3rd North East Texas Humor Research Conference*, Southern Methodist University, Dallas, TX, February 2013.
 - Christian F. Hempelmann. "Can Ontology be Global?" *Globalization and the Humanities: Texas and the World*. Texas A&M-Commerce, November 2012.
 - Christian F. Hempelmann. "Semantic Design Principles for Natural Language Ontologies." Paper presentation at the *2012 DFW Metroplex Linguistics Conference*. University of Texas at Arlington, November 2012.
 - Christian F. Hempelmann. "Formal Humor Logic Beyond Second-Most Plausible Reasoning." *2012 AAAI Fall Symposium on the Artificial Intelligence of Humor*.

Arlington, VA, November 2012.

- Shigehito Menjo, Christian F. Hempelmann, and Salvatore Attardo. "Bridging the Uncanny Valley: A Method to Develop Smiles in Embodied Agents." Poster presentation at the *2012 AAAI Fall Symposium on the Artificial Intelligence of Humor*. Arlington, VA, November 2012.
- Christian F. Hempelmann. "The Falsity of Fun." *2012 Conference of the International Society for Humor Studies*. Jagiellonian University, Krakow, Poland, July 2012.
- Christian F. Hempelmann. "Computational humor panel: OSTH reformulations of GTVH phenomena." Panel presentation at the *2nd North East Texas Humor Research Conference 2011*. Commerce, Texas. September 2011.
- Julia M. Taylor, Victor Raskin, and Christian F. Hempelmann. "From Disambiguation Failures to Common-Sense Knowledge Acquisition: A Day in the Life of an Ontological Semantic System." *Intelligent Agent Technology Conference. Web Intelligence and Intelligent Agent Technology Conference*. Lyon, France, August 2011.
- Christian F. Hempelmann and Vikas Mehra. "Baseline Semantic Spam Filtering." *Web Intelligence for Information Security Workshop. Web Intelligence and Intelligent Agent Technology Conference*. Lyon, France, August 2011.
- Christian F. Hempelmann. "Common Sense: What Machines Should Learn Next for Humor." 2011 Conference of the International Society for Humor Studies. Boston University, Boston, MA, July 2011.
- Christian F. Hempelmann. "Spam Filtering with Meaning Density." *Intelligence is Fuzzy: Ontology-based Agents, Workshop (also workshop co-chair), Society for Design and Process Science Conference*. Jeju Island, Korea, June 2011.
- Christian F. Hempelmann. "Logical Mechanisms." Panel presentation at the *1st North East Texas Humor Research Conference 2011*. Dallas, Texas. January 30, 2011.
- Julia M. Taylor, Victor Raskin, Christian F. Hempelmann, and Salvatore Attardo. "An Unintentional Inference and Ontological Property Defaults." *2010 IEEE International Conference on Systems, Man, and Cybernetics*. Istanbul, Turkey, October 2010.
- Victor Raskin, Julia M. Taylor, and Christian F. Hempelmann. "Ontological Semantic Technology for Detecting Insider Threat and Social Engineering." *New Security Paradigms Workshop 2010*. Boston, MA, September 21-23.
- Christian F. Hempelmann, Julia M. Taylor, and Victor Raskin. "Application-guided Ontological Engineering." *International Conference on Artificial Intelligence*. Las Vegas, NE, July 2010.
- Julia M. Taylor, Victor Raskin, Christian F. Hempelmann, and Whitney R. Vandiver. 2010. "Computing the Meaning of Number Expressions in English: The Common Case." *Intelligent Linguistic Technologies Workshop, International Conference on Artificial Intelligence*. Las Vegas, NE, July 2010.
- Julia M. Taylor, Christian F. Hempelmann, and Victor Raskin. "On an Automatic Acquisition Toolbox for Ontologies and Lexicons in Ontological Semantics." *International Conference on Artificial Intelligence*. Las Vegas, NE, July 2010.
- Victor Raskin, Christian F. Hempelmann, and Julia M. Taylor. "Guessing vs. Knowing: The Two Approaches to Semantics in Natural Language Processing." *Annual International Conference Dialogue 2010*. Moscow, Russia, May 2010.
- "From SSTH to GTVH to OSTH—and never ever back!" With Victor Raskin and Julia

- Taylor. Panel presentation at the *2009 Conference of the International Society for Humor Studies*. California State University, Long Beach, California. June 17-20.
- "Accessing and Manipulating Meaning of Textual and Data Information for Information Assurance and Security and Intelligence Information." With Victor Raskin, Katrina E. Triezenberg, Brian Buck, and Arthur Keen. Paper at the *Cyber Security and Information Intelligence Research Workshop*. Oak Ridge National Laboratory, Oak Ridge, Tennessee. May 12-14, 2008.
 - "Laughter in One Flew Over the Cuckoo's Nest and Einer flog über das Kuckucksnest." Poster at the *10th Congress of the Swiss Society for Psychology*. University of Zurich, Switzerland. September 13-14. 2007.
 - "Functional and 'Dysfunctional' Nouns in Ontological Semantics." With Victor Raskin. *Concept Types and Frames in Language, Cognition, and Science*. Universität Düsseldorf, Germany. August 20-22, 2007.
 - "What Freshmen Laugh About. Frequent Themes in College Humor." With Ursula Beermann. *2007 Conference of the International Society for Humor Studies*. Salve Regina University, Newport, RI. June 28 - July 1, 2007.
 - "Visual Puns and Verbal Puns. Descriptive Analogy or False Analogy?" With Andrea Samson. *2007 Conference of the International Society for Humor Studies*. Salve Regina University, Newport, RI. June 28 - July 1, 2007.
 - "Ontological-Semantic Internet Search." Semantic Content Acquisition and Representation (SCAR) 2007. Workshop at NODALIDA 2007. Tallinn, Estonia. May 24, 2007.
 - "Multiword Expressions in Ontological-Semantic Lexicons." With Katrina E. Triezenberg, Chris Gates, Victor Raskin, and Riza C. Berkan. *4th Midwest Computational Linguistics Colloquium 2007*. Purdue University, West Lafayette, Indiana. April 28, 2007.
 - "Cartoons Again: Cognition, Aesthetics, Content." With Andrea Samson. Symposium organized at the *2006 Conference of the International Society for Humor Studies*. Denmark's Pedagogical University, Copenhagen, Denmark. July 3-7, 2006.
 - "Wordplay in Church Marquees." With Scott C. Crossley. Paper at the *2006 Conference of the International Society for Humor Studies*. Denmark's Pedagogical University, Copenhagen, Denmark. July 3-7, 2006.
 - "The Lexical Field of Laughing in One Flew over the Cuckoo's Nest." With Willibald Ruch. Round table contribution at the *2006 Conference of the International Society for Humor Studies*. Denmark's Pedagogical University, Copenhagen, Denmark. July 3-7, 2006.
 - "Introduction to Cartoon Research." With Andrea Samson. Paper at the *2006 Conference of the International Society for Humor Studies*. Denmark's Pedagogical University, Copenhagen, Denmark. July 3-7, 2006.
 - "The Whys and Hows of Ontological Semantics." With Victor Raskin. Paper at the *DIALOG 2006 Conference*. Moscow, Russian Federation. May 31 – June 4, 2006.
 - "Computer, Tell Me a Joke ... but Please Make it Funny: Computational Humor with Ontological Semantics." With Victor Raskin and Katrina E. Triezenberg. Paper at the *19th International FLAIRS (Florida Artificial Intelligence Research Society) Conference*. Melbourne Beach, Florida. May 11-13, 2006.
 - "Using LSA to Automatically Identify Givenness and Newness of Noun Phrases in

- Written Discourse." With David Dufty, Philip M. McCarthy, Arthur C. Graesser, Zhiqiang Cai, and Danielle S. McNamara. Poster at the *XXVII Annual Meeting of the Cognitive Science Society*. Stresa, Italy. July 21-23, 2005.
- "An Algorithm for Detecting Causal and Intentional Information in Text." With David F. Dufty, Arthur C. Graesser, Zhiqiang Cai, and Danielle S. McNamara. Poster at the *15th Annual Meeting of the Society for Text and Discourse*. Amsterdam, The Netherlands. July 6 – 9, 2005.
 - "Evaluating State-of-the-Art Treebank-style Parsers for Coh-Metrix and Other Learning Technology Environments." With Vasile Rus, Arthur C. Graesser, and Danielle S. McNamara. Paper at the *Second Workshop on Building Educational Applications Using Natural Language Processing and Computational Linguistics at the ACL conference 2005*. Ann Arbor, MI. June 25-30, 2005.
 - "Cartoons: Formal and Cognitive Differences to Verbal Humor." With Andrea Samson. Paper at the *2005 Conference of the International Society for Humor Studies*. Youngstown State University, Youngstown, OH, June 13-18, 2005.
 - "Across-Genres and Empirical Evaluation of State-of-the-Art Treebank-style Parsers." With Vasile Rus. Paper at the *2nd Language and Technology Conference: Human Language Technologies as a Challenge for Computer Science and Linguistics*. Poznan, Poland. April 21 – 23, 2005.
 - "Semantic Forensics: An Application of Ontological Semantics to Information Assurance." With Victor Raskin and Katrina E. Triezenberg. Paper at the *ACL 2004 Workshop on Text Meaning and Interpretation*. Barcelona, Spain. July 26, 2004.
 - "An Ynperfect Pun Selector for Computational Humor." Paper at the *Midwest Computational Linguistics Colloquium*. Indiana University, Bloomington, IN, USA, June 25 – 26, 2004.
 - "Semantic Forensics." With Victor Raskin and Katrina E. Triezenberg. Paper at the *Midwest Computational Linguistics Colloquium*. Indiana University, Bloomington, IN, USA, June 25 – 26, 2004.
 - "Semantic Representation of English Phrasal Verbs." With Julija Televnaja, Krista Bennett, and Katrina E. Triezenberg. Paper at the *Intelligent Information Systems 2004 Conference*. Zakopane, Poland. May 17-20, 2004.
 - "YPS-The Ynperfect Pun Selector for Computational Humor." Paper at the *2003 Conference of the International Society for Humor Studies*. Northeastern Illinois University, Chicago, IL. July 8-10, 2003.
 - "The Genesis of a Script for Bankruptcy in Ontological Semantics." With Victor Raskin, Sergei Nirenburg, Inna Nirenburg, and Katrina E. Triezenberg. Paper at the *Text Meaning Workshop of the HLT-NAACL 2003 Human Language Technology Conference*. Edmonton, Canada. May 31, 2003.
 - "YPS-The Ynperfect Pun Selector for Computational Humor." Paper at the *Computer-Human-Interface Conference 2003 of the Association for Computing Machinery*. Ft. Lauderdale, FL. April 6, 2003.
 - "Permissible Distance and Recoverability in Paronomasic Puns." Paper at the *2002 Conference of the International Society for Humor Studies* University of Bologna, Bertinoro, Italy. July 5, 2002.
 - "'99 nuns giggle, 1 nun gasps:' The not-all-that-Christian Natural Class of Christian

- Jokes." Paper at the *2001 Conference of the International Society for Humor Studies*. College Park, MD. July 7, 2001.
- "Developing an Automatic Hybrid Data and Text System for Downgrading Sensitive Documents." With Victor Raskin, Mikhail Atallah and Dina Mohamed. Poster at the *Second Annual Research Symposium of the Center for Education and Research in Information Assurance and Security (CERIAS)*. Purdue University, West Lafayette, IN. April 26, 2001.
 - "Watermarking of Natural Language Text." With Victor Raskin, Mikhail Atallah, Florian Kerschbaum, Sanket Naik, Michael Crogan, and Dina Mohamed. Poster at the *Second Annual Research Symposium of the Center for Education and Research in Information Assurance and Security (CERIAS)*. Purdue University, West Lafayette, IN. April 26, 2001.
 - "The Joking Monk: Humor and Narrative Structure in Rabelais' Gargantua." Paper at the *1999 Conference of the International Society for Humor Studies*. Holy Names College, Oakland, CA. July 2, 1999.
 - Invited Presentations
 - Christian F. Hempelmann. "Computational approximations of human humor processing." and "Absurd and nonsensical humor: a proposal." Invited lectures at the *2013 International Summer School for Research in Humor and Laughter*, Otto-von-Guericke University, Magdeburg, Germany, July 2013.
 - Abdullah N. Arslan, Christian F. Hempelmann, Carlo Di Ferrante, Salvatore Attardo, and Nikolay Metodiev Sirakov. "From Shape to Threat: Exploiting the Convergence Between Visual and Conceptual Organization for Weapon Identification and Threat Assessment." Invited Paper. **Recipient of the Lockheed-Martin Best Paper Award.** *SPIE Defense, Security, and Sensing 2013 Conference*. Baltimore, MD, April 2013.
 - Christian F. Hempelmann and Varadraj Gurupur. "Organizing Knowledge Ontologically: Introduction to the Ontological Semantic Technology Lab." Math and Computer Science Research Forum, College of Science, Engineering, & Agriculture, Texas A&M University-Commerce, TX. March 26, 2013.
 - Christian F. Hempelmann. "Konfessionelle Komik." [Denominational humor.] Invited paper at the *Kassel Humor Colloquium*. Kassel, Germany, March 1, 2013.
 - Christian F. Hempelmann. "A Semantic Baseline for Spam Filtering." *CERIAS Security Seminar*, Purdue University, West Lafayette, IN, January 2013.
 - Christian F. Hempelmann. "Artificial Intelligence and Humor: Research Directions in Humor and Computers." *Invited Plenary Contribution at the 2012 AAI Fall Symposium Series*. Arlington, VA, November 2012.
 - Victor Raskin, Christian F. Hempelmann, and Julia M. Taylor. "On the Road to the Ontological Semantic Theory of Humor." Pre-conference Tutorial at the *2012 Conference of the International Society for Humor Studies*. Jagiellonian University, Krakow, Poland, July 2012.
 - Christian F. Hempelmann. "False Logic, Formally?" *Computational Humor 2012. 3rd International Workshop on Computational Humor*. Amsterdam, NL, June 8, 2012.
 - Victor Raskin, Christian F. Hempelmann, and Julia M. Taylor. "The Ontological Semantic Alternative: A Meaning-based Path to Natural Language Understanding." Plenary at the *Society for Design and Process Science Conference*. Jeju Island, Korea, June 2011.

- Christian F. Hempelmann. "Explicitness is Proverbially and at This Point in This Title Also Obviously the Death of Wit, or is It?" Invited contribution at the Symposium on the Length of Jokes at the *2011 Conference of the International Society for Humor Studies*. Boston University, Boston, MA, July 2011.
- "The Ontological Semantics of Humor." Keynote lecture with Victor Raskin and Julia M. Taylor. *2011 Northeast Texas Humor Research Conference*. Southern Methodist University, Dallas, Texas. January 28, 2011.
- "Ontological Semantic Technology in Action." Invited talk with Victor Raskin and Julia M. Taylor. Texas A&M, Commerce, Texas, January 28, 2011.
- "Semantic Search Beyond RDF?" Invited Panel Statement at the *2009 Semantic Technology Conference*. San Jose, California, June 16, 2009.
- "Why with Ontologies?" Invited presentation at the Justus-Liebig-Universität, Project "Practices of Searching and Finding?" of the Initiative "Cultural Techniques and their Adaptation to the Media." Giessen, Germany, May 25, 2009.
- "Direct-Meaning-Access Ontological Semantics for Information Gathering and Threat Mitigation." Invited Talk at the Departments of Literature & Languages and Computer Science, Texas A&M, Commerce, Texas, May 1, 2009.
- "Wenn Kirche komisch sein will." [When the church tries to be funny.]. With Andreas Waschbüsch. Invited paper at the *Kassel Humor Colloquium*. Kassel, Germany, February 20, 2009.
- "Meaning for Humor Researchers," "Is Incongruity that is Resolved Humor?" "GTVH Workshop." Invited lectures at the *8th International Summer School and Symposium on Humour and Laughter: Theory, Research, and Application*. University of Galati, Romania. June 23-28, 2008.
- "Will Semantics Give Web Search a Facelift?" Invited Panel Statement at the *2008 Semantic Technology Conference*. San Jose, California. May 18-22, 2008.
- "Semantic Search." Invited paper at the *New York Semantic Web Meetup Group*. New York, New York. April 17, 2008.
- "Semantic Search: Content vs. Formalism." Invited round table statement at *LangTech2008, Language and Speech Technology Conference*. Rome, Italy. February 28-29, 2008.
- "The Ontological Semantic Perspective on the Semantic Web." With Victor Raskin. Invited paper at the *New York Semantic Web Meetup Group*. New York, New York. August 24, 2007.
- "Is Incongruity That is Resolved Humor?" "Wordplay: Humorous and Non-humorous," "The 3-Hour GTVH Workshop," and "Cartoons: Not just Jokes with a Picture" (with Andrea Samson). Lectures at the *7th International Summer School and Symposium on Humour and Laughter: Theory, Research, and Application*. University of Aberdeen, United Kingdom. July 9-14, 2007.
- "Beyond Proof-of-Concept: Implementing Ontological Semantics as a Commercial Product." Invited talk at the *4th Midwest Computational Linguistics Colloquium 2007*. Purdue University, West Lafayette, Indiana, April 28, 2007.
- "The Linguistics of Humor." Lecture for the Course "Humor and Laughter" by Willibald Ruch and Ursula Beermann, University of Zurich, Switzerland. December 2006.
- "Is Incongruity Resolved Humor?" "Wordplay: Humorous and Non-humorous," "A

- GTVH Seminar." With Salvatore Attardo, and "Cartoons: Not just Jokes with a Picture." With Andrea Samson. Lectures at the *6th International Summer School and Symposium on Humour and Laughter: Theory, Research, and Application*. Universität Fribourg, Switzerland. July 10-14, 2006.
- "The Ontology of Humor Consumers: What do College Students and Computers Find Funny?" Invited talk at the *2006 Humor Symposium*. Youngstown State University, Youngstown, Ohio. April 2006.
 - "Dichter Humor durch dichte Kultur?" [Dense Humor through Dense Culture?]. Invited paper at the *Kassel Humor Colloquium*. Kassel, Germany, February 2006.
 - "The Linguistics of Humor." Interactive lecture taught via the Internet (webcam/chat /forum) for the Course "Humor and Laughter" by Willibald Ruch and Ursula Beermann at the University of Zurich. December 2005.
 - "Introduction to the Semantic Script Theory of Humor and the General Theory of Verbal Humor," and "Cartoons: Aesthetics and Cognition" (with Andrea Samson). Lectures at the *5th International Summer School and Symposium on Humour and Laughter: Theory, Research, and Application*. Universität Tübingen, Germany. July 25-30, 2005.
 - "3 WD Meets GTVH: Breaking the Ground for Interdisciplinary Humor Research." With Willibald Ruch. Keynote address at the *2005 Conference of the International Society for Humor Studies*. Youngstown State University, Youngstown, OH. June 13-18, 2005.
 - "Analyzing Texts Using the GTVH." With Salvatore Attardo. Workshop at the *2005 Conference of the International Society for Humor Studies*. Youngstown State University, Youngstown, OH. June 13-18, 2005.
 - "Ontology and Lexicon Acquisition in Ontological Semantics." With Katrina E. Triezenberg. 5-day Tutorial and Workshop at the Department of Theoretical and Computational Linguistics of Lomonosov State University, Moscow, Russian Federation. May 24-28, 2005.
 - "Linguistic Overview of Punning," "Introduction to the General Theory of Verbal Humor," "Psychology and Linguistics on Joke Dimensions and Resources," and "The Laughter Epidemic: How Much Laughter, How Much Epidemic?" Lectures at the *4th International Summer School and Symposium on Humour and Laughter: Theory, Research, and Application*. University of Wolverhampton, UK. Sept. 6-11, 2004.
 - "Puns: A Linguistic Review," and "An Introduction to the General Theory of Verbal Humor." Lectures at the *3rd International Summer School and Symposium on Humour and Laughter: Theory, Research, and Application*. University of Edinburgh, UK. Sept. 16, 2003.
 - "The Epic 1962 Tanganyika Laughter Epidemic." Keynote address at the *2003 Conference of the International Society for Humor Studies*. Northeastern Illinois University, Chicago, IL. July 8-10, 2003.
 - "YPS: The Ymperfect Pun Selector for Computational Humor." Invited talk at Twente University, Enschede, The Netherlands. May 15, 2003.
 - "YPS: The Ymperfect Pun Selector for Computational Humor." Invited talk at the ITC-irst Center, Trento, Italy. May 6, 2003.
 - "Natural Language Information Assurance and Security." With Victor Raskin. Plenary address at the *Center for Education and Research in Information Assurance and Security (CERIAS) Security Seminar*. Purdue University, West Lafayette, IN. April 8, 2003.

- "Current Issues in Linguistic Humor Research." LinguA guest lecture at the Universität Hannover, Germany. June 18, 2002.
- "Current Issues in Linguistic Humor Research." Invited talk at the Max Planck Institute for Psycholinguistics, Nijmegen, The Netherlands. June 6, 2002.
- "Ontology for IAS: Extending Research and Application Paradigms In Information Security." With Victor Raskin and Katrina E. Triezenberg. Plenary address at the *Center for Education and Research in Information Assurance and Security (CERIAS) Security Seminar*. Purdue University, West Lafayette, IN. February 6, 2002.

Membership in Professional Societies

- Association for Computational Linguistics (ACL)
- Association for Computing Machinery (ACM)
- Cognitive Science Society (CSS)
- International Society for Humor Studies (ISHS)
- Erdős number: 3 (Erdős—Wagstaff—Atallah—Hempelmann)

Awards, Grants, Appointments

- 2012
Graduate Faculty of Texas A& M-Commerce
- 2009
Emerging Voice Award of Purdue's College of Liberal Arts
- 2008
Graduate Faculty of Georgia Southern University
- 2007
Graduate Faculty of Purdue University (Adjunct Appointment)
- 2005
Swiss National Foundation Grant PI0I1-111577/1 for the project "The Ontology of Humor: Psychological and Linguistic Foundations" (10,000 SFr [ca. \$10,000])
- 2004
European Union Marie Curie Grant FP6-2002-Mobility-12 Proposal 516528 for "Integration and Development of Interdisciplinary Humor Research" (€80,000 [ca. \$120,000], declined)
- 2003
Emerging Scholar Award of the International Society for Humor Studies
- 2001
Quadrille Ball Scholarship of the Germanistic Society of America for research in natural language processing and information security (IIE grant no. F103000-15013790)

Languages (in descending order of proficiency)

- German (native), English (native equivalent), Old and Middle English, Italian, French, Latin, Ancient Greek, Hebrew, Old Irish