

Dr. Damir Cavar
Associate Professor, Indiana University

(a) Professional Preparation

Undergraduate Institutions

Goethe-University Frankfurt a.M., Germany	<i>Math and Physics</i>	<i>Vordiplom</i> , 1988
Goethe-University Frankfurt a.M., Germany	<i>Linguistics</i>	1991

Graduate Institutions

University of Potsdam, Germany	<i>Linguistics</i>	<i>Diplom</i> , 1994
University of Potsdam, Germany	<i>Linguistics</i>	<i>PhD</i> , 1999

(b) Appointments

Associate Professor, Indiana University, since 2016 (Computational Linguistics, Data Science, Cognitive Science)

Associate Research Scientist, Department of Linguistics, Indiana University, 2014-2016

Director of the Institute for Language Information and Technology, Eastern Michigan University, 2013-2014

Associate Professor (tenured), Department of English Language and Literature, Eastern Michigan University (May, June 2014), resigned in June 2014

Assistant Professor (tenure track) of Computational Linguistics, Department of English Language and Literature, Eastern Michigan University, 2011-2014

Adjunct Assistant Professor of (Computational Linguistics in the Department of Linguistics at Indiana University, 2006-present

Professor of Computational Linguistics at the University of Konstanz (Germany), temporary professorship, 2010-2011

Head of the branch office of the Institute of Croatian Language and Linguistics in Zadar (main institute in Zagreb), 2009-2011

Chair of the Linguistics Department at the University in Zadar, 2009-2011

Assistant Professor of Computational Linguistics at the University in Zadar in the Linguistics Department, 2005-2011

Head of the department for theoretical and computational linguistics at the Institute of Croatian Language and Linguistics in Zagreb, 2006-2009

Director of the Computational Linguistics Program in the Department of Linguistics at Indiana University, 2003-2006

Assistant Professor (tenure track) of (Computational) Linguistics in the Department of Linguistics at Indiana University, 2003-2006

Visiting Assistant Professor in the Department of Linguistics at Indiana University, 2002-2003

IT-Architect and Manager, Dresdner Bank AG - Allianz Group, Frankfurt a.M., Germany, 2001-2002.

Researcher, Berlin-Brandenburg Academy of Sciences, 2000-2001

Researcher, Department of Computer Science at the Technical University in Berlin, KIT Group, 2000

Researcher, Computer Science Department, University in Hamburg, Natural Language Systems Group (NATS), 1998-1999

(c) Publications

D. Cavar, L. Moe, H. Hu, K. Steimel (2016) Preliminary Results from the Free Linguistic Environment Project. Pages 161-181 in D. Arnold, M. Butt, B. Crysmann, T. Holloway-King, S. Müller (eds.) *Proceedings of the Joint 2016 Conference on Head-driven Phrase Structure Grammar and Lexical Functional Grammar*. CSLI Publications.

D. Cavar, H. Aristar-Dry, A. Aristar (2012) “*Large Mailing List Corpora: Management, Annotation and Repository*”. In P. Banski et al. (eds.) *Proceedings of the LREC 2012 workshop on Challenges in the Management of Large Corpora*, pp. 13-17.

D. Cavar (2010) On Statistical Metrics for Selection and Phrasality. In T. Hanneforth and G. Fanselow (eds.) *Language and Logos: Studies in Theoretical and Computational Linguistics*. *Studia grammatica*, 72, p. 393–406. Akademie Verlag, Berlin.

D. Cavar, I.-P. Jazbec, S. Runjaić (2009) Efficient Morphological Parsing with a Weighted Finite State Transducer. *Informatica* 33/1, pp. 107–113.

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D. Cavar, I.-P. Jazbec, T. Stojanov (2009) CroMo – Morphological Analysis for Standard Croatian and its Synchronic and Diachronic Dialects and Variants. In: J. Piskorski, B. W. Watson, A. Yli-Jyrä (eds.) *Finite-State Methods and Natural Language Processing*, Frontiers in Artificial Intelligence and Applications 19, IOS Press, pp. 183–190.

P. Rodrigues, D. Cavar (2007) "Learning Arabic Morphology Using Statistical Constraint Satisfaction Models." Pages 63–76 in: E. Benmamoun (ed.) *Perspectives on Arabic Linguistics XIX*. Current Issues in Linguistic Theory 289. John Benjamins, Amsterdam.

Selected Recent Publications

D. Cavar, J. Herring, T. Ikuta, P. Rodrigues, G. Schrementi (2006) On Unsupervised Grammar Induction from Untagged Corpora. Pages 55-71 in: P. Kaszubski (ed.) *PSiCL: Poznań Studies in Contemporary Linguistics* 41, Adam Mickiewicz University, Poznań, Poland.

D. Cavar, P. Rodrigues, G. Schrementi (2006) *Unsupervised Morphology Induction for Part-of-Speech Tagging*. Penn Working Papers in Linguistics. Volume 12.1. Philadelphia, PA, Seiten 29-41.

D. Cavar, J. Herring, T. Ikuta, P. Rodrigues, G. Schrementi (2004) On Statistical Bootstrapping. In: W. G. Sakas (ed.) *Proceedings of the First Workshop on Psycho-computational Models of Human Language Acquisition*, held in cooperation with COLING 2004, Geneva, Pages 9–16.

D. Cavar, J. Herring, T. Ikuta, P. Rodrigues, G. Schrementi (2004) Alignment Based Induction of Morphology Grammar and its Role for Bootstrapping. In: G. Jäger, P. Monachesi, G. Penn and S. Wintner (eds.) *Proceedings of Formal Grammar 2004*, Nancy, Pages 47–62.

D. Cavar and U. Störl (2002) Automatic Generation of Meta Tags for Intra-Semantic-Web. Pages 67–77 in: R. Tolksdorf, R. Eckstein (eds.) *XML Technologien für das Semantic Web – XSW 2002*. Gesellschaft für Informatik, Berlin, Germany, Lecture Notes in Informatics, Vol. 14.

(d) Synergistic Activities

Reviews and Editorial activities for: *Journal of Computational Linguistics* (1998-1999), *Artificial Intelligence* (2004), *Language and Cognition* (2010), *Biolinguistics* (2009), Programs: e.g. Kansas State University: NLP Program; National Science Foundation (NSF), Croatian National Science Foundation (NZZ); Conferences: BOOT-LA 2003, MCLC 2004-2007, COLING 2004, ACL 2005 & 2007

Selected Appointments and Awards: Director of the Computational Linguistics Program at Indiana University, 2002-2006; Member of the Senate of the University in Zadar, 2008; Excellence in Teaching Award, Indiana University, 2004; Faculty Adviser of the Indiana University Robotics Club, 2003-2005

Conference Chairmanships: European Lisp Symposium 2012; Slavic Linguistic Society 2009; Text Encoding Initiative TEI 2010 etc.

Selection of Awarded Grants: i) ATLAS: Applied Technology for Language-Aided CMS, Role PI of WP3, Funding agency: European Commission. ii) *Semantic Nets and computational lexicology* Ministry for Research, Education and Sports of the Republic of Croatia; iii) *The Croatian Language Corpus: Multi-tier annotated corpus for the quantitative and qualitative analysis of language change*, Role: Co-PI, Funding agency: Ministry for Research, Education and Sports of the Republic of Croatia; iv) *A quantitative model of contact-induced language change*, Role: PI, State funds of the State of Indiana.

(e) Collaborators & Other Affiliations

Collaborators and Co-Editors

Helen Aristar-Dry (UT Austin), Anthony Aristar (eLinguistics Foundation), Piotr Banski (Institute for German Language), Dunja Brozovic Roncevic (Institute of Croatian Language and Linguistics), Malgorzata Cavar (Indiana University), Gisbert Fanselow (University of Potsdam), Tanja Gulan (University of Zadar), Serge Heiden (Institute for German Language), Ivo Pavao Jazbec (Institute of Croatian Language and Linguistics), Damir Kero (University of Zadar), Mark Kupietz (Institute for German Language), Bruno Nahod (Institute of Croatian Language and Linguistics), Franjo Pehar (University of Zadar), Sinisa Runjaic (Institute of Croatian Language and Linguistics), Melanie Seiss (University of Konstanz), Tomislav Stojanov (Institute of Croatian Language and Linguistics), Pavle Valerjev (University of Zadar), Doug Whalen (City University of New York), Andreas Witt (Institute for German Language)

Graduate Advisors and Postdoctoral Sponsors

Gisbert Fanselow (University of Potsdam), Peter Staudacher (University of Potsdam), Juergen Weissenborn (University of Potsdam), Günther Grewendorf (University of Frankfurt a.M.)

Thesis Advisor and Postgraduate-Scholar Sponsor

Durdica Zeljka Caruso (University of Stuttgart); *Natalya Panteleyeva* (Indiana University); *Benjamin Cool* (Eastern Michigan University); *Matt Lehrman* (2012, Eastern Michigan University); *Franjo Pehar* (2010-2011, University of Zadar). Advised grad. Students: min. 14 for Phd, more than 40 for MA; 1 postdoctoral scholar sponsored.