

ROBERTO ZAMPARELLI

BORN: June 28, 1963
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ACADEMIC DEGREES:

- 1988–1995** Graduate studies in linguistics (theoretical syntax, formal semantics and computational linguistics), at the university of Rochester, Rochester, NY; Ph.D. dissertation: *Layers in the Determiner Phrase*, on the interface between syntactic structures and meaning in the noun phrase.
- 1982–1987** B.A. (“Laurea”) in “Lettere - Psicolinguistica”, University of Rome *La Sapienza*; advisor: Domenico Parisi, CNR;

PROFESSIONAL EXPERIENCE:

- 2006–present** Member of *Centro Interdipartimentale Mente e Cervello* (CIMEC) at the University of Trento, Rovereto venue.
- 2005–present** Permanent research and teaching position at the Facoltà di Lettere e Filosofia, University of Trento. Associate Professor (“Professore Associato”) from Dec. 1, 2014, at the Dept. of Psychology and Cognitive Science (DIPSCO)
- 2000–2005** Permanent research and teaching position at the University of Bergamo (“Ricercatore universitario”).
- 1999–2000** Temporary research position at the Facoltà di Lingue, University of Bergamo, Italy.
- 1997–1999** “Marie Curie” Post-Doctoral Fellow at the University of Edinburgh, with a EU Research Training Grant; project: *WWW-Based Hypertexts for On-Line Scientific Discussion and Publication*.

TEACHING

UNIVERSITY OF TRENTO (@CIMEC OR DEPT. OF COGNITIVE SCIENCE, ROVERETO)

- 2010–** **Introduction to Human Language** (with C. Finocchiaro, in 2010; C. Finocchiaro e R. Job in 2011, then as single teacher).
- 2014–** **Advanced Topics in Language and Cognition.**
- 2014–** **Logical Structures in Natural Language** (with Raffaella Bernardi, then as single teacher);
- 2014–2016** **Scientific Communication** (with Sang Ah Li, James Haxby and Marius Peelen)
- 2009–** “CLIC Topic Seminars”

UNIVERSITY OF TRENTO (@DEPT. OF HUMANITIES, TRENTO)

- 2009–13** **Informatica per le Discipline Umanistiche e Linguistiche** ‘Informatics for Humanities’;
2009–11 **Strutture Logiche del Linguaggio** ‘Logical Structures in Language’;
2009 **Introduction to Human Language** (Dept. of Computer Science, International Master)

PREVIOUS TEACHING DUTIES

- 1998** **Theoretical Linguistics I**, Dept. of Cognitive Science, University of Edinburgh.
1998 **Fondamenti di informatica** ‘Intro to Informatics’, Facoltà di lingue, Università di Bergamo.
1989–1995 **LISP for Cognitive Sciences**; teaching assistant for **Cognition, Introduction to Cognitive Science, Introduction to Linguistics Syntactic Theory**, @University of Rochester, NY, USA.

PHD THESIS ADVISORY ROLES

- 2000–** Eva Vecchi (co-advisor); Rossella Varvara (advisor); Sara Zanellini (co-advisor), Siavosh Sepanta (ongoing)).

GRANTS AND RESEARCH PROJECTS:

- 2024–26** External member for DFG-RC grant: *The syntax of nominal copular clauses: theoretical and empirical perspectives*
2023– Main architect for the linguistic data collection project www.actorschallenge.eu
2023–25 P.I. for the Italian PRIN grant: *REPLAI: Repetition Experiments as Probes on Linguistics Analysis and Integration*.
2017–2020 P.I. for the Italian PRIN grant: *TREiL: Technologies for Research and Education in Linguistics*.
2014–19 University of Trento P.I. for the EU Cooperation class project *Atheme*; coordinator: Lisa Cheng, University of Leiden; 5 year, 5M euros.
2012–14 P.I. for the post-doc grant assigned to Michelangelo Falco: *La specificità all’interfaccia sintassi/semantica: una nuova prospettiva ed una base empirica allargata* ‘Specificity at the syntax/semantics interface: new perspectives and broader empirical bases’.
2011–16 Collaborator in the ERC grant “COMPOSES” (P.I. Marco Baroni; 1,1M euros). The project is based on the methodology described in Baroni e Zamparelli (2010).
2007–10 Member of the NWO-funded network grant *Bantu, Chinese, Romance nouns and noun phrases*
2008 Member of the Italian PRIN grant *Il genere grammaticale e i modelli di elaborazione del linguaggio* ‘Grammatical gender and models of language processing’ (University of Trento P.I. Roberto Cubelli).
2000 British Academy “Joint Activity Grant” with prof. C. Heycock, with the project: “*Conjunction and Plurality: a case study in the integration of syntax and semantics*”.
2008–09 Six month sabbatical as an invited scholar at Rutgers University, USA.

REVIEWING

Reviewer for the international journals: *Journal of Linguistics*, *Language*, *Lingua*, *Natural Language and Linguistic Theory*, *Journal of Germanic Linguistics*, *Linguistic Inquiry*, *Lingua e Linguaggio*.

Regular reviewer for the following conferences: *IGG*, *GLOW*, *Going Romance*, *NELS*, *SALT* (for theoretical linguistics), *EMNLP*, *NACL*, *ACL*, *IWCS*, *StarSEM* (for computational linguistics)

WORKSHOP AND CONFERENCE ORGANIZATION:

- 2014** Main organizer of the conference *40esimo Incontro di Grammatica Generativa*, Trento, February 13–15.
- 2013** Co-organizer (with F. Vespignani, U. Hassan) of the conference: *Architectures and Mechanisms for Language Processing AMLAP*, Riva del Garda, September 6–8.
- 2013** Co-organizer (with G. Boleda e A. Herbelot) of the workshop *Toward a Formal Distributional Semantics*, IWCS, Potsdam, March 19
- 2010** Co-organizer (with Alessandro Lenci) of the workshop *Compositionality and Distributional Semantic Models*, European Summer School in Logic, Language and Information (ESSLLI), August 2010, Copenhagen.

PRESENTATIONS (INVITED SPEAKER OR BLIND PEER REVIEW), SINCE 2002

- 2024** *Splitting Italian Half-words: The case of "metà" and "mezzo"*, 49 Incontro di Grammatica Generativa, Pavia, February 2024
- 2023** *Covert Partitives*, Workshop PARTE, Partitivity in European Languages, Budapest, April, 2023
- 2023** *Italian "Tanto/Quanto": (conjunctive) correlatives as degree operators*, Going Romance 2022, Barcelona, Spain, February 2023
- 2022** *SemEval-2022 Task 3: PreTENS-Evaluating Neural Networks on Presuppositional Semantic Knowledge*, SemEval 2022 Task 3. Seattle, USA, 10-15 July 2022.
- 2018** *On beyond "The"*, DGFS, Università of Stoccarda, 7–9 marzo, plenary keynote speaker.
- 2018** *Exemplar-based Genericity*, Incontro di Grammatica Generativa, University of Roma III, February 1–3
- 2018** *Two Levels for Definiteness* (with C. Heycock and L. Cheng), GLOW ASIA, University of Singapore, February 20–22
- 2016** *Two levels for definiteness*, (with L. Cheng and C. Heycock), University of Frankfurt (invited speaker).
- 2016** *Two levels for definiteness* (with L. Cheng e C. Heycock) and *The PuzzLing language model: Designing a game to teach language structures* (with Luca Ducceschi), University di Londra, QMUL (invited speaker).
- 2016** *Two levels for definiteness*, (with L. Cheng e C. Heycock), Workshop "DP and CP-Adjunction, and Beyond", University of Hamburg (invited speaker).
- 2016** *Genericity in Natural Language*, course at the "European Summer School in Language, Logic and Information (ESSLLI 2016)", University of Bolzano, August 21–26 (with E.G. Katz).
- 2016** *Definite Predicates with and without Determiners* (with L. Cheng and C. Heycock), "Workshop on the Semantic Contribution of Det and Num". Barcelona, May 27th 2016 (invited speaker).

- 2016** *Syntax, Materialized* (with Luca Ducceschi), poster presented at the 42nd “Incontro di Grammatica Generativa”, University of Lecce, Italy, February 18–20
- 2015** *Understanding Subkinds*, University of Edinburgh (invited speaker).
- 2015** *In and out of kinds*, University of Geneva (invited speaker).
- 2015** *Overt partitives and covert ones* (with Michelangelo Falco), University of Duesseldorf (invited speaker).
- 2015** *Similarity, Prominence and Distributions*, poster presented at the workshop “Prominence”, University of Koeln.
- 2015** *Licensing ellipsis in DP: the role of NP raising* (with Michelangelo Falco), poster presented at the 41st *Incontro di Grammatica Generativa*, ‘Università per stranieri of Perugia’, Italy, February 26–28.
- 2015** *Partitive specificity and the format for indefinites*. (with Michelangelo Falco), 39th *Incontro di Grammatica Generativa*, University of Modena and Reggio Emilia, Italy, February 21–23.
- 2014** *Split Conjunctions, Abstract Subjects and Agreement*, University College London (invited speaker).
- 2013** *Abstract Mass Nouns and Mass/Count Elasticity*, workshop “Countability”, September 16–17, University of Düsseldorf (invited speaker)
- 2012** *Countability, Number and (In)definiteness in Chinese Nominals*, workshop “Mass/Count in Linguistics, Philosophy and Cognitive Science” Paris, École Normale Supérieure, December 19–21 (invited speaker).
- 2011** *Understanding (Sub)kinds*, Workshop “Genericity: From Morphology to Cognition”, École Normale Supérieure, Paris, October 2011 (invited speaker).
- 2011** *Comparative Correlatives at the Left Periphery* (with V. Bianchi), Workshop “Left Periphery: where syntax and discourse meet”, Verona, Luglio 2011 (invited speaker).
- 2010** *Number, classifiers and noun classes* (with Lisa Cheng, Jenny Doetjes and Rint Sybesma), Bantu, Chinese, Romance Nouns and Noun Phrases - Network Final Conference, October 27–29, Universiteit Leiden.
- 2010** *Bantu, Chinese and Romance definite nominal predicates* (with Lisa Cheng and Caroline Heycock), Bantu, Chinese, Romance Nouns and Noun Phrases - Network Final Conference, 27–29 ottobre, Universiteit Leiden.
- 2010** *On Compositional Vector-Space Semantics*, ILIKS Meeting, Trento (invited speaker).
- 2010** *Abstract Mass Nouns and Corpus-based Analyses*, Empirical, Theoretical and Computational Approaches to Countability in Natural Language, Bochum, 22–24 settembre
- 2009** *Pronominal Modifiers*, Nominal Systems across Languages Workshop, Barcelona, September 14–16 (invited speaker)
- 2008–09** During a sabbatical half-year in the US I have given talks at: Dept. of linguistics, Yale University, New Haven CT — Dept. of linguistics, New York University, New York, NY — Dept. of linguistics, University of Quebec, Montreal, Canada — Dept. of linguistics, Georgetown University, Washington DC — Dept. of linguistics, Rutgers University, New Brunswick, NJ — Dept. of cognitive science, Rutgers University
- 2007** *Deverbal Compounds: Words, Phrases or Either?* (with Marco Baroni ed Emiliano Guevara), XXXIII Incontro di Grammatica Generativa, March 2–4, Università di Bologna.
- 2006** *On the interpretability of ϕ -features*, The Syntax and Semantics of grammatical features, Università di Stuttgart, February 23

- 2006** *Number Features and Interpretability* Bantu-Romance Connection Workshop, University of Leeds, May 26-28
- 2005** “Genericity in Natural Language” (with E.G. Katz) course at *European Summer School in Language, Logic and Information (ESSLI 2005)*, Heriot-Watt University, Edinburgh, 15–19 agosto.
- 2005** *Singular quantifiers and domain widening in Italian*, XXXI *Incontro di Grammatica Generativa*, May 2–4, University of Rome III.
- 2004** *Manufacturing Plurality*, Copenhagen Determination Symposium, Copenhagen Business School, August 26-28 2004.
- 2004** *Singular determiners in Italian*, University of Konstanz, 17 ottobre 2003.
- 2003** *On Certain / Specific phenomena*, ESSLI 2003 Workshop on Specificity, University of Wien, Austria
- 2003** *Bare NPs and DP-internal number agreement(s)* (with C.Heycock), Workshop on Agreement, University of Lisbon, Portugal

SELECTED PUBLICATIONS

ARTICLES IN PEER-REVIEWED JOURNALS

(single author when not otherwise stated)

- 2023** *Generative models and generative grammar/MODELLI GENERATIVI E SINTASSI GENERATIVA* (with Chesi, C.; Vespignani, F.) in SISTEMI INTELLIGENTI, v. 35, n. 2 (2023), p. 329-349.
- 2019** *Distinct neural processes for memorizing form and meaning within sentences* (with Mascelloni, Matteo; Vespignani, Francesco; Gruber, Thomas; Mueller, Jutta L), FRONTIERS IN HUMAN NEUROSCIENCE, v. 13, n. 412 (2019) - DOI: 10.3389/fnhum.2019.00412
- 2019** *Partitives and partitivity* (with Michelangelo Falco) in GLOSSA, v. 4, n. 1 (2019), p. 1-49. DOI: 10.5334/gjgl.642
- 2018** *Puzz-Ling: A hands-on model of syntax to popularize linguistics as a science* (with Luca Ducceschi); in LANGUAGE AND LINGUISTICS COMPASS, v. 2018, Volume 12, n. 9 (2018), p. 12299 DOI: 10.1111/lnc3. 12299
- 2016** “SICK through the SemEval glasses. Lesson learned from the evaluation of compositional distributional semantic models on full sentences through semantic relatedness and textual entailment”. pp.95-124. In LANGUAGE RESOURCES AND EVALUATION, vol. 50 (1), with Luisa Bentivogli, Raffaella Bernardi; Marco Marelli; Stefano Menini and Marco Baroni.
- 2015** *Spicy Adjectives and Nominal Donkeys: Capturing Semantic Deviance Using Compositionality in Distributional Spaces* (with Eva Maria Vecchi, Marco Marelli and Marco Baroni), Cognitive Science, pp. 1-35
- 2013** *Frege in Space: A Program for Compositional Distributional Semantics* (with Marco Baroni and Raffaella Bernardi), Linguistic Issues in Language Technology, vol.9(6) pp.5-110.
- 2012** *On the interpretation of number and classifiers* (with L. L.-S. Cheng, J. Doetjes and R. Sybesma), Rivista Di Linguistica, pp. 175-194.
- 2011** *Why brother and sister are not only just siblings: Repair processes in agreement computation* (with N. Molinaro, F. Vespignani and R. Job), Journal of Memory and Language, v. 64, p. 211-232.
- 2009** *The dual nature of deverbal nominal constructions: Evidence from acceptability ratings and corpus analysis* (with M. Baroni ed E. Guevara). Corpus Linguistics and Linguistic Theory. Vol. 5(1), pp. 1-26.
- 2008** *Features, Facts and Clausal Agreement*, Lingua e Linguaggio, 1, 111-132
- 2008** *Dei ex machina: a note on plural/mass indefinite determiners*, Studia Linguistica, 62(3), pp. 301-327.
- 2005** *Friends and Colleagues: Plurality, Coordination, and the Structure of DP* (with C. Heycock); Natural Language Semantics, 13, Dordrecht: Kluwer (Netherlands).
- 2005** *The structure of (in)definiteness*, Lingua 115, Elsevier.
- 2004** *Every two days*, Snippets 9, September 2004
- 2004** *On the thickness of Plurals*, Snippets 8, February 2004
- 2004** Review of *Flexibility principles in Boolean semantics*, by Yoad Winter, Journal of Linguistics, 40(01)
- 2003** (with Caroline Heycock) *Coordinated Bare Definites*, Linguistic Inquiry, 34(3), pg. 443-469.

- 2023** *The Functional Relevance of Probed Information: A Case Study* (with Hanna, M., Marecek, D.) in “Proceedings of the 17th Conference of the European Chapter of the Association for Computational Linguistics, (EACL), Dubrovnik, Croatia: Association for Computational Linguistics, 2023, p. 835-848. Atti di: EACL 2023, Dubrovnik, Croatia, 2 maggio-6 maggio 2023
- 2023** *One Picture and a Thousand Words: Generative Language+images Models and How to Train Them* in Proceedings of the Seventh Workshop on Natural Language for Artificial Intelligence (NL4AI 2023), Aachen, Germany: CEUR Workshop Proceedings, 2023.
- 2022** *Multilingualism Encourages Recursion: a Transfer Study with mBERT* (with Andrea De Varda), Proceedings of the 4th Workshop on Research in Computational Linguistic Typology and Multilingual NLP, Seattle, Washington: ACL 2022, p. 1-10. Proceedings of SIGTYP, online, July 2022. DOI: 10.18653/v1/2022.sigtyp-1.1
- 2022** *SemEval-2022 Task 3: PreTENS-Evaluating Neural Networks on Presuppositional Semantic Knowledge* (with Chowdhury, Shammur; Brunato, Dominique; Chesi, Cristiano; Dell’Orletta, Felice; Hasan, Md. Arif; Venturi, Giulia), Proceedings of the 16th International Workshop on Semantic Evaluation (SemEval-2022), Seattle, United States: Association for Computational Linguistics, 2022, p. 228-238. DOI: 10.18653/v1/2022.semeval-1.29
- 2022** *The “Actors Challenge” Project: Collecting data on intonation profiles via a web game* (with Chaiko, Natallia; Sepanta, Sia Vosh) Proceedings of the LREC 2022, Marseille: Games and NLP, 2022. Atti di: LREC, Marseille, June 20-25.
- 2020** *AcCompl-it @ EVALITA2020: overview of the acceptability & complexity evaluation task for Italian* (with Brunato, Dominique; Chesi, Cristiano; Dell’Orletta, Felice; Montemagni, Simonetta; Venturi, Giulia), Proceedings of the Seventh Evaluation Campaign of Natural Language Processing and Speech Tools for Italian. Final Workshop (EVALITA 2020), Germany: CEUR Workshop Proceedings (CEUR-WS.org), 2020. - (CEUR WORKSHOP PROCEEDINGS).
- 2018** “RNN Simulations of Grammaticality Judgments on Long-distance Dependencies” in: *Proceedings of COLING 2018*, Santa Fa, NM, USA: ICCL, 2018, p. 133–144. URL: <https://coling2018.org/proceedings/>. With Shammur Absar Chowdhury.
- 2017** “Two levels for definiteness”, Michael Yoshitaka Erlewine (eds.) *Proceedings of GLOW ASIA XI*, MITWPL, 1, pp. 79–93, with L. L.-S. Cheng and C. Heycock.
- 2014** *Semeval-2014 Task 1: Evaluation of compositional distributional semantic models on full sentences through semantic relatedness and textual entailment.* (with M. Marelli; L. Bentivogli; M. Baroni; R. Bernardi; S. Menini;) In: Proceedings of SemEval 2014
- 2014** *A SICK cure for the evaluation of compositional distributional semantic models.* (with M. Marelli; S. Menini; M. Baroni; L. Bentivogli; R. Bernardi). In: Proceedings of LREC 2014
- 2013** *Compositionnalité en sémantique distributionnelle et ordonnancement des adjectifs* (with E. Vecchi and M. Baroni), in ATALA, Les Sables d’Olonne.
- 2013** *Studying the recursive behaviour of adjectival modification with compositional distributional semantics* (with E. Vecchi and M. Baroni), in Proceedings of the Association for Computational Linguistics, Seattle, WA.
- 2013** *Compositional-ly derived representations of morphologically complex words in distributional semantics* (with A. Lazaridou; M. Marelli and M. Baroni), pp.1517-1526, in Proceedings of the Association for Computational Linguistics (ACL), Sofia

- 2012** *Quantifying count/mass elasticity* (with E. G. Katz) in Proceedings of the 29th West Coast Conference on Formal Linguistics, Somerville, MA: Cascadilla Proceedings Project, 2012, pp. 371–379.
- 2011** *(Linear) maps of the impossible: Capturing semantic anomalies in distributional space* (with E. Vecchi and M. Baroni). In: Proceedings of the DISCO (Distributional Semantics and Compositionality) Workshop at ACL 2011, East Stroudsburg PA: ACL, 1–9.
- 2010** *Nouns are vectors, adjectives are matrices: representing adjective- noun constructions in semantic space* (with Marco Baroni) in: Proceedings of the 2010 Conference on empirical methods in natural language processing, East Stroudsburg, PA: ACL, 2010, p. 1183–1193. Proceedings of EMNLP, Boston, October 2010.
- 2000** (with C. Heycock) “Plurality and NP-Coordination”, in *Proceedings of the 30th North East Linguistic Society (NELS) Conference*, Rutgers University, USA
- 1999** (with C. Heycock) “Toward a unified analysis of DP conjunction”, in: P. Dekker (eds.) *Proceedings of the XII Amsterdam Colloquium*, Universiteit van Amsterdam, 127–133

ARTICLES IN BOOKS WITH INTERNATIONAL DISTRIBUTION:

- 2020** *Countability shifts and abstract nouns*, in Moltmann, F. (a cura di), *Mass and count in linguistics, philosophy, and cognitive science*, Amsterdam: John Benjamins, 2020, p. 191-224. DOI: 10.1075/lfab.16
- 2020** *Competition Between Event-Denoting Deverbal Nouns and Nominal Infinitives in Italian* (with Rossella Varvara), in Rainer Franz, Gardani, Francesco: Dressler, U. Wolfgang, Luschützky, Hans Christian (eds.), *Competition in Inflection and Word-Formation*, Switzerland: Springer Nature, 2019, p. 95-121. DOI: 10.1007/978-3-030-02550-2
- 2016** “The only real pro-nouns. Comparing English one and Italian ne as Noun Phrase pro-forms” (with Michelangelo Falco). In *The Impact of Pronominal Form on Interpretation*, Patrick Grosz and Pritty Patel-Grosz (eds). *Studies in Generative Grammar*. Berlin: de Gruyter
- 2011** “Coordination”. in: C. Maienborn, K. von Heusinger, and P. Portner (eds.) *Semantics: An International Handbook of Natural Language Meaning, Vol.II*. Pp. 1713–1741. Berlin: Mouton de Gruyter.
- 2009** “On the interpretation of φ -features”, in: De Cat, Cecile and Demuth, Katherine (eds.) *The Bantu-Romance Connection. A comparative investigation of verbal agreement, DPs and information structure*. Pp. 167–200. Amsterdam: John Benjamins.
- 2008** “Bare predicate nominals in Romance languages”, in: Alex Klinge and Henrik H. Müller (eds.) *Essays on Nominal Determination: From morphology to discourse management*, xviii, 101–130, John Benjamins.
- 2007** “On singular existential quantifiers in Italian”, in: L. Comorovski and K. von Heusinger (eds.): *Existence: Semantics and Syntax*, Springer.
- 2003** (with Valentina Bianchi) “Edge Coordination: Focus and Conjunction Reduction”, in Adger, David, De Cat, Cécile and Tsoulas, George (Eds.) *Peripheries. Syntactic edges and their effect*, Kluwer, Dordrecht.
- 2002** “Definite and Bare Kind-denoting Nouns Phrases”, in *Romance Languages and Linguistic Theory 2000; selected papers from “Going Romance” 2000*, Frank Drijkoningen, Claire Beyssade, Paola Monachesi, Reineke Bok-Bennema (eds.), John Benjamins, Amsterdam/Philadelphia, pg. 305–342.
- 1998** “A theory of Kinds, Partitives and of/z Possessives”, in: Wilder, C. and Alexiadou, A. (eds.) *Possessors, Predicates and Movement in the Determiner Phrase*, John Benjamins, Amsterdam, 259–301.

ARTICLES IN BOOKS WITH NATIONAL DISTRIBUTION

- 2021** *Cervello e linguaggio* in Claudia Marchesoni, Daniele Mereu, Leo Toller (a cura di), *Percorsi della lingua mòchena Beng von bersntolerisch*, Palau del Fersina: Istituto culturale mocheno, 2021, p. 15-30. - ISBN: 9788894253665
- 2013** “Form and Interpretation in Chinese Nominals” in: F. Meroi (ed.), *Le parole del pensiero: studi offerti a Nestore Pirillo*, Pisa: ETS, 2013, 354

BOOKS

- 2009** *Le strutture del significato* (with Denis Delfitto), Il Mulino, 2009.
- 2000** *Layers in the Determiner Phrase*, Garland, New York

PATENTS

- VII 2016** *Dispositivo didattico per l'apprendimento o l'esercizio nell'uso di strutture linguistiche*, patent awarded, Italian registration n. 102016000078443.