

Roni Katzir

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- EMPLOYMENT Visiting Associate Professor, MIT, 2016 – 2018

Senior Lecturer, Tel Aviv University, 2013 – present

Lecturer, Tel Aviv University, 2010 – 2013

Visiting Assistant Professor of Linguistics, Cornell University, 2008 – 2010
- EDUCATION Ph.D. Linguistics, MIT, 2008
Thesis Title: Structural Competition in Grammar

B.Sc. Mathematics, Tel-Aviv University, 2001, *summa cum laude*
Special Program for Outstanding Students
- RESEARCH INTERESTS Computational Linguistics, Learning and Learnability, Semantics and Pragmatics, Syntax, Morphology
- PAPERS AND MANUSCRIPTS (2018) (with Noa Peled) “Compression-Based Learning of Natural-Language Quantifiers.” (manuscript)

(2018) “Anaphoricity and Relevance in Focus.” (manuscript)

(2018) (with Ezer Rasin, Iddo Berger, and Nur Lan). Learning Rule-Based Morpho-Phonology. (submitted)

(2018) (with Ezer Rasin). A Conditional Learnability Argument for Constraints on Underlying Representations. (submitted)

(2018) (with Ezer Rasin, Iddo Berger, and Nur Lan) “Learning Phonological Optionality and Opacity from Distributional Evidence”, to appear in *Proceedings of NELS 48*.

- (2018) (with Ezer Rasin) “Learning Abstract Underlying Representations from Distributional Evidence”, to appear in *Proceedings of NELS 48*.
- (2017) (with Asaf Bachrach) “Linearizing Structures.” *Syntax*, 20:1, 1–40.
- (2016) (with Ansgar Endress) “Linguistics, Cognitive Psychology, and the Now-or-Never Bottleneck.” *Behavioral and Brain Sciences*, 39, e71.
- (2016) (with Ezer Rasin) “On Evaluation Metrics in Optimality Theory.” *Linguistic Inquiry*, 47:2, 235–282.
- (2015) (with Ezer Rasin) “Compression-based learning for OT is incompatible with Richness of the Base.” In Thuy, B. and Özyıldız, D. (eds.), *Proceedings of NELS 45*, pp. 267–274.
- (2015) (with Raj Singh) “Economy of Structure and Information: Oddness, Questions, and Answers.” In Csipak, E. and Zeijlstra, H. (eds.), *Proceedings of Sinn und Bedeutung 19*, pp. 302–319.
- (2014) “A Cognitively Plausible Model for Grammar Induction.” *Journal of Language Modelling* 2:2, 213–248.
- (2014) “On the Roles of Markedness and Contradiction in the Use of Alternatives.” In Salvatore Pistoia Reda (ed.), *Semantics, Pragmatics, and the Case of Scalar Implicatures*, Palgrave, 40–71.
- (2014) (with Tal Siloni) “Definiteness and Agreement in Germanic DPs.” In Alex Grosu, Anna Bondaruk, and Gréte Dalmi (eds.), *Advances in the syntax of DP’s. Structure, agreement, and case*, John Benjamins, 267–293.
- (2014) (with Raj Singh) “Hurford Disjunctions: Embedded Exhaustification and Structural Economy.” In Urtzi Etxeberria, Anamaria Fălăuș, Aritz Irurtzun, and Bryan Leferman (eds.), *Proceedings of Sinn und Bedeutung 18*, pp. 201–216.
- (2013) “A Note on Contrast.” *Natural Language Semantics* 21:4, 333–343.
- (2013) (with Raj Singh) “A Note on Presupposition Accommodation.” *Semantics and Pragmatics* 6:5, 1–16.
- (2013) (with Raj Singh) “Constraints on the Lexicalization of Logical Operators.” *Linguistics & Philosophy* 36:1, 1–29.
- (2012) (with Raj Singh) “Two Restrictions on Possible Connectives.” In Thomas Graf, Denis Paperno, Anna Szabolcsi, and Jos Tellings (eds.),

Theories of Everything, UCLA Working Papers in Linguistics, pp. 154–162.

(2011) (with Danny Fox) “On the Characterization of Alternatives.” *Natural Language Semantics* 19:1, pp. 87–107.

(2011) “Morpho-Semantic Mismatches, Structural Economy, and Licensing.” *Linguistic Inquiry* 42:1, pp. 45–82.

(2009) (with Asaf Bachrach) “Right-Node Raising and Delayed Spellout.” In K. Grohmann (ed.), *InterPhases: Phase-Theoretic Investigations of Linguistic Interfaces*. Oxford University Press.

(2009) (with Danny Fox) “On the Characterization of Alternatives for Implicature and for Focus.” In P. Égré and G. Magri (eds.), *Presuppositions and Implicatures*. MITWPL.

(2009) (with Raj Singh) “On the Absence of XOR in Natural Language.” In P. Égré and G. Magri (eds.), *Presuppositions and Implicatures*. MITWPL.

(2007) “Structurally-Defined Alternatives.” *Linguistics & Philosophy* 30:6, pp. 669–690.

(2007) (with Asaf Bachrach) “Spelling out QR.” In E. Puig-Waldmüller (ed.) *Proceedings of Sinn und Bedeutung 11*, pp. 63–75.

COLLOQUIA
AND INVITED
TALKS

“Comparing theories of UG using compression-based learning” Colloquium, Tromsø, October 20, 2107

“An adequate simplicity metric for learning grammars” LAVA Lunch, Tromsø, October 19, 2017

(with Ezer Rasin) Mini-Course on Language and Learnability, CNRS, Paris, January 24–6, 2017

“Anaphoricity and questions in focus” CNRS, Paris, January 23, 2017

“The roles of questions, answers, and anaphoricity in focus” McGill University, November 11, 2016

“Computational aspects of the representation and learning of natural language” Medical Neurobiology Department Seminar, HUJI, May 22, 2016

“Anaphoricity and relevance in focus” Colloquium, MIT, May 13, 2016

“Computation and natural language” Evolutionary and Environmental Biology Department Seminar, Haifa University, October 19, 2015

“Mapping linguistic theories to learners” Linguistics Department Seminar, HUJI, May 13, 2014

“Distinguishing anaphoricity and relevance in free and bound focus” Workshop on Focus-Sensitive Expressions, Bar-Ilan University, February 3–5, 2014

(with Ezer Rasin) , “An evaluation metric for Optimality Theory” NECPhon, MIT, October 26, 2013

“Modeling the acquisition of linguistic knowledge” Sagol School and IBM Joint Symposium, May 23, 2013

(with Ezer Rasin) , “An evaluation metric for Optimality Theory” LLCC Seminar, HUJI, May 21, 2013

“Unifying the alternatives for scalar implicature, association with focus, and free focus” Linguistics Department Seminar, HUJI, May 21, 2013

“Linguistic representations and grammar induction” Neurobiology Department Seminar, TAU, May 9, 2013

(with Asaf Bachrach) , “Linearizing Multidominance Structures” Nantes Workshop on Multidominance, November 2&3, 2012

(with Asaf Bachrach) Commentary on “An Active Ellipsis Resolution and the Nature of Island Effects” by Masaya Yoshida, Nantes Workshop on Multidominance, November 2&3, 2012

“Contrast, Scalarity, and Contradiction” Ling-Lunch, Paris VII, October 31, 2012

Commentary on “Person Features” by Uli Sauerland, Workshop on the Syntax and Semantics of Resumptive Pronouns, The Hebrew University, July 4, 2012

“A Note on Implicatures and Focus” Cross-Disciplinary Perspectives on Scalar Implicatures, MIT, May 12, 2012

(with Raj Singh) “Markedness, Symmetry, and the Lexicalization of Logical Operators” Colloquium, Bar-Ilan University, April 17, 2012

(With Raj Singh) “When do Logical Operators get Lexicalized?” Roots III Workshop, The Hebrew University, June 14, 2011

“A Representational Approach to Learning.” Seminar, The Hebrew University, February 28, 2011

(With Raj Singh) “Lexicalizing Logical Constants.” Syntax Brown Bag, New York University, February 11, 2011

“Universal Grammars and the Learners they Induce.” Departmental Seminar, Ben-Gurion University. December 7, 2010.

(With Danny Fox) “On the Roles of Context and Structure in the Theory of Alternatives.” Syntax Brown Bag, NYU. November 6, 2009

“Description Length and Language Acquisition.” Interdisciplinary Colloquium, Tel-Aviv University. June 4, 2009

(with Ivona Kučerová) “Focus Alternatives and Givenness Effects.” Potsdam University, Potsdam. December 12, 2008

“Morpho-Semantic Mismatches and Licensing.” Queen Mary, University of London. December 11, 2007.

“Structurally-Defined Alternatives.” Workshop on Presuppositions and Implicatures, DEC-ENS, Paris. May 31, 2007.

(with Asaf Bachrach) “Right-Node Raising.” Syntax and Prosody in the Northeast, Cornell University. May 5, 2007.

(with Asaf Bachrach) “Antecedent-Contained Deletion as VP-Sharing.” DEC-ENS, Paris. March 23, 2007.

(with Asaf Bachrach) “Right-Node Raising and Delayed Spellout.” Departmental Seminar, The Hebrew University. January 9, 2007.

“Simple Alternatives.” Interdisciplinary Colloquium, Tel-Aviv University. January 4, 2007

(with Asaf Bachrach) “Antecedent-Contained Deletion without QR.” Departmental Seminar, Ben-Gurion University. January 2, 2007.

“Unsupervised Grammar Induction with Minimum Description Length.” Infolab, Computer Science and Artificial Intelligence Laboratory, MIT. September 6, 2006.

“Learning Word Segmentation with Minimum Description Length.” Computational Cognitive Science Group, MIT. April 14, 2006.

CONFERENCE (with Ezer Rasin, Iddo Berger, and Nur Lan) “Rule-based learning of AND phonological optionality and opacity”, NELS 48, October 27–29, 2017 WORKSHOP

PRESENTATIONS (with Ezer Rasin) “Learning abstract URs from distributional evidence”, Poster presented at NELS 48, October 27–29, 2017

(with Ezer Rasin, Iddo Berger, and Nur Lan) “Acquiring opaque phonological interactions using minimum description length”, Poster presented at the fifth Annual Meeting on Phonology, September 15–17, 2017

(with Ezer Rasin) “Minimum description length subsumes free ride effects in UR learning”, Poster presented at the fifth Annual Meeting on Phonology, September 15–17, 2017

(with Asaf Bachrach) “Edges and linearization.” International Convention of Psychological Science, Vienna, March 23–25, 2017.

(with Ezer Rasin) “A Learnability Argument for Constraints on Underlying Representations.” Poster presented at NELS 45, MIT, October 31–November 2, 2014.

(with Raj Singh) “Economy of Structure and Information.” Sinn und Bedeutung 19, Göttingen, September 15–17, 2014.

“Formal Constraints on Alternatives.” Workshop on Alternatives, the 2014 Annual Meeting of the Cognitive Science Society, Quebec City, July 25, 2014.

(with Raj Singh) “Hurford Disjunctions: Evidence for Embedded Exhaustification and Structural Economy.” Poster presented at Sinn und Bedeutung 18, Basque Country, September 11–13, 2013.

(with Raj Singh) “Constraints on the Lexicalization of Logical Operators.” Poster presented at Ling50, MIT. December 9–10, 2011.

“Learning and Linguistic Competence.” The Cornell Workshop on Grammar Induction. May 14, 2010.

(with Ivona Kučerová) “Deriving Relative Givenness Effects from Focus Alternatives and Presupposition Domains.” DGfS, Osnabrück. March 5, 2009

(with Asaf Bachrach) “Antecedent-Contained Deletion without QR or Extraposition.” WCCFL 26, UC Berkeley. April 28, 2007

(with Asaf Bachrach) “Identity and Precedence.” Conference on Precedence Relations, CUNY. January 26, 2007.

“Implicatures and the Maxim of Manner.” South New England Workshop in Semantics, Yale University. September 30, 2006.

(with Asaf Bachrach) “Spelling out QR.” Sinn und Bedeutung 11, Barcelona. September 22, 2006.

(with Asaf Bachrach) “Right-Node Raising and Delayed Spellout.” Inter-Phases, Nicosia. May 20, 2006

TEACHING
EXPERIENCE

24.964 Topics in Phonology, co-taught with Naomi Feldman and Roger Levy, MIT, Spring 2018

24.965 Morphology, co-taught with Adam Albright and David Pesetsky, MIT, Fall 2017

24.S95 Computation and Linguistic Theory, MIT, Fall 2016

24.979 Topics in Semantics, co-taught with Danny Fox and Roger Schwarzschild, MIT, Fall 2016

0627.3777/4095 Learning: Computation and Cognition, Tel Aviv University, Spring 2013, Spring 2014, Spring 2015, and Spring 2016

0627.3666/4191 Parsing: Computation and Cognition, Tel Aviv University, Fall 2012, Fall 2013, Fall 2014, and Fall 2015

0627.3006 Seminar on Parsing, Tel Aviv University, Fall 2011

0368.3389 NLP Seminar, co-taught with Nachum Dershowitz and Kfir Bar, Tel Aviv University, Fall 2011

0368.3500 NLP Workshop, co-taught with Nachum Dershowitz, Iddo Lev, and Kfir Bar, Tel Aviv University, Spring 2011

0627.3237 Seminar on Learning and Learnability, Tel Aviv University, Spring 2011 and Spring 2012

0627.2223 Advanced Computational Linguistics, Tel Aviv University, Spring 2011, Spring 2012, Spring 2013, Spring 2014, Fall 2014, and Fall 2015

0627.4171 Field Methods, co-taught with Erez Volk, Tel Aviv University, Fall 2010 and Spring 2011

0627.2222 Computational Linguistics for Beginners, Tel Aviv University, Fall 2010, Fall 2011, Fall 2012, Fall 2013, Spring 2015, and Spring 2016

LING 4422 Semantics II, Cornell, Spring 2010

LING 7712 Syntax Seminar, Cornell, Spring 2010

LING 1101 Introduction to Linguistics, Cornell, Fall 2009

LING 4403 Syntax I, Cornell, Fall 2009

LING 4404 Syntax II, Cornell, Spring 2009

LING 6600 Field Methods, co-taught with Abby Cohn, Cornell, Spring 2009

LING 1101 Introduction to Linguistics, co-taught with Carol Rosen, Cornell, Fall 2008

LING 6616 Topics in Syntax, Cornell, Fall 2008

Programming for Linguists, MIT, January 2005

Calculus II, Open University, Israel, Spring and Fall 2000

Topics in Mathematics, Open University, Israel, Fall 2000

Calculus I, Open University, Israel, Spring 2000

PREVIOUS
EMPLOYMENT Research Assistant, Infolab, Computer Science and Artificial Intelligence
Laboratory, MIT, Summers of 2004, 2005, 2006

Computational Linguist, Baobab Technologies, Israel, 2000 – 2002

RESEARCH GRANTS	Israel Science Foundation (ISF) Individual Research Grant 187/11 <i>A Cognitively Plausible Model for Grammar Induction</i> 2011–2014
SERVICE AND ORGANIZATION	<p>Co-organizer, Workshop on simplicity in grammar learning, MIT, September 23, 2017</p> <p>Co-organizer, Workshop on exhaustivity and cognitive architecture, MIT, September 10, 2016</p> <p>Co-organizer, Winter School on Exhaustivity, Hebrew University, December 13–17, 2015</p> <p>Finance committee member, Porter School of Culture Studies, Tel Aviv University, Fall 2015 – present</p> <p>Admissions committee member, Linguistics M.A. program, Tel Aviv University, Spring 2015 – present</p> <p>Program head, Computational Linguistics B.A. program, Tel Aviv University, Fall 2010 – present</p> <p>Program co-coordinator, Tel Aviv/Hebrew University Joint Graduate Program in Linguistics, Fall 2014 – present</p> <p>Co-organizer, Joint Research Workshop, Tel Aviv/University of Maryland, December 16–18, 2014</p> <p>Co-organizer (with David Barner, Judith Degen, Albert Gatt, and Noah Goodman), Workshop on alternatives, 2014 Annual Conference of the Cognitive Science Society, July 2014</p> <p>Co-organizer, Tel-Aviv/Hebrew University Workshop in Syntax and Semantics, July 9, 2012</p> <p>Co-organizer, Tel-Aviv/Hebrew University Joint Reading Group in Syntax and Semantics, Fall 2011</p> <p>Co-organizer, Workshop on Brain Imaging of Language Functions, Bar Ilan University, June 19–20, 2011</p> <p>Co-organizer, Cornell Workshop on Grammar Induction, May 14–16, 2010</p> <p>Co-organizer, Talk Series for Work in Progress, Cornell University, Fall 2009</p>

Student representative, Department Curriculum Committee, MIT, Fall 2006

Co-organizer, Grammar Architecture Reading Group, MIT, Spring 2005

Co-organizer, Computational Linguistics Fest, MIT, January 2005

Co-organizer, Linguistics Colloquium, MIT, Fall 2004 and Spring 2005

REVIEWING

Reviewer for *Journal of Language Modelling*, *Journal of Semantics*, *Linguistic Inquiry*, *Linguistics and Philosophy*, *Morphology*, *Natural Language and Linguistic Theory*, *Natural Language Semantics*, *Semantics and Pragmatics*, *Syntax*, and *Synthese*