MARK J. STEEDMAN FBA FRSE
Curriculum Vitae (November 3, 2020)

PRESENT POST: Professor of Cognitive Science
School of Informatics, University of Edinburgh

DATE OF BIRTH: Sept. 18th 1946

NATIONALITY: British

DEGREES:

1968 B.Sc. (hons.) in Experimental Psychology, University of Sussex.

1973 Ph.D. in Artificial Intelligence, University of Edinburgh, (Dissertation: *The Formal Description of Musical Perception*. Advisor: Prof. H.C. Longuet-Higgins FRS).

CAREER:

1969 – 1972 University of Edinburgh: Research Associate, School of Artificial Intelligence, under Professor H.C. Longuet-Higgins FRS.

1972 – 1973 University of Edinburgh: Research Fellow, School of Artificial Intelligence, with Professor H.C. Longuet-Higgins FRS.

1973 – 1976 University of Sussex: Research Fellow, Centre for Research into Perception and Cognition, Department of Experimental Psychology, with Prof. P.N. Johnson-Laird.

1976 – 1983 University of Warwick: Lecturer, Dept. of Psychology.

1983 – 1988 University of Edinburgh: Lecturer then Reader in Computational Linguistics, Dept. of Artificial Intelligence and Centre for Cognitive Science

1988 – 1998 University of Pennsylvania, Associate then Full Professor, Dept. of Computer and Information Science.

1998 – University of Edinburgh, Professor of Cognitive Science, School of Informatics; also Adjunct Professor, Department of Computer and Information Science, University of Pennsylvania.

1998 – 2010 Director, Institute for Language, Cognition, and Computation (ILCC, formerly ICCS)

2000 – 2003 Acting Director, Center for Speech Technology Research, School of Informatics/Dept. of Linguistics, Edinburgh.

VISITING POSITIONS:

1980 – 1981 University of Texas at Austin: Alfred P. Sloan Research Fellow, Centre for Cognitive Science.

1982 Max Planck Institute for Psycholinguistics, Nijmegen: Visiting Fellow, summer, 1982.

1986 – 1987 University of Pennsylvania, Philadelphia: Visiting Professor, Department of Computer and Information Science.

1996 IMS University of Stuttgart: Visiting Researcher, Summer, 1996.

2006 – 2007 IRCS University of Pennsylvania, Sabbatical Visiting Professor.

2016 Ian Gordon Fellow, Victoria University, Wellington New Zealand, October.

HONORS:

1993 Fellow of the Association for the Advancement of Artificial Intelligence (AAAI).

2002 Fellow of the Royal Society of Edinburgh (FRSE).

2002 Fellow of the British Academy (FBA).

2006 Member of the Academia Europæa.

2005 – 2007 Vice-President-elect, Vice-President, then President of the Association for Computational Linguistics (ACL).

2008 Fellow of the Society for the Study of Artificial Intelligence and Simulation of Behaviour (SSAISB).

2012 Fellow of the Association for Computational Linguistics (ACL).

2013 Fellow of the Cognitive Science Society (CSS).

2014 – 2016 Vice-President elect, Vice-President, then President, ACL SIGDAT special interest group.

2018 Recipient of the Lifetime Achievement Award of the Association for Computational Linguistics (ACL).

GRANTS HELD:

SSRC: HR 4251, "The Semantics of Temporal Description in English", approx £10,000, 1977-1981 (PI, Univ. of Warwick).

EEC ESPRIT: project no. 393 "Construction and Interrogation of Knowledge Bases using Natural Language and Graphics", approx. 500,000 UK pounds, 1984-1989, (a collaborative project with the Frauenhofer Gesellschaft and University, Stuttgart; the Laboratoire de Marcoussis, Compagnie Générále de l'Electricité; Triumph-Adler AG. co-PI with Drs. E. B. Richards and E. Klein at the University of Edinburgh).

EEC ESPRIT: project BR 3175. In 1987/88 I was the coordinator and a principal investigator on a proposal to the ESPRIT Basic Research Action for a grant of 500,000 UK pounds over two and a half years to the Cognitive Science departments at Edinburgh (as part of a collaborative project with the universities of Amsterdam, Stuttgart, and Tübingen), entitled "Dynamic Interpretation of Natural Language". Although I had to withdraw my name as a PI in the final stages, due to my imminent move to Penn, this grant was awarded 1989.

DARPA: N00014-90-J-1863 "Research in Natural Language Processing" for $2.2M over three years, from July 1990, co-PI with Drs. Joshi, Marcus, Webber, U. Penn.

NSF: BNS-9021223 "Grammatical Foundations of Prosody and Discourse", a workshop and conference grant, $34,225, for one year from 1991. Co-PI with Drs. Polanyi (Rice University) and Ladusaw (UC, Santa Cruz).

NSF: IRI90-18513 "Computer Synthesis of Contextually Appropriate Intonation for Spoken Language", for $155,082 over two years from Sept 1991, PI, U.Penn.

NSF: IRI91-17110 "Communication, Coarticulation and Dialogue Gesture in Facial Animation" for $290,000 over three years from Sept 1992, co-PI with Dr. N. Badler, U Penn.

ARPA: N66001-94-C6043, "Lexical Grammar, Automatic Grammar Acquisition and Multisentence Understanding", $2.25M subject to adjustment from Sept 1994. co-PI with Drs. Marcus, Joshi, Webber, U. Penn.

ARO: DAAH04-94-G0426, "Research in AI", $700K subject to adjustment from Sept 1994. co-PI with Drs. Joshi, Marcus, Webber, U. Penn.

NSF: IRI-9504372, "Synthesising Conversation between Human-like Cooperative Agents", $540K (revised) three years from Sept 95, co-PI with Dr. N. Badler, U.Penn.

TEACHING and ACADEMIC SERVICE:

Graduate and undergraduate courses and graduate seminars on Computational Linguistics, Artificial Intelligence, Programming, Programming Language Concepts, Psychology of Language, Introductory Linguistics, Introductory Psychology, at the Universities of Sussex, Warwick, Edinburgh, Texas at Austin, Pennsylvania, Stuttgart, and the Summer Institutes of LSA and ESLLI. I have also taught a number of short courses in speech and text processing for industry and other non-university groups, such as ARO. I was chair of the IRCS committee to organise and expand undergraduate Cognitive Science Teaching at Penn.

At Edinburgh I have taught AI2, (two sections), Natural Language Software System Design (NLSSD), and the AI Large Practical. Until 2010, I taught Introduction to Cognitive Science (ICS) and Advanced Natural Language Processing (ANLP). I also served on the committee to redesign the Informatics First and Second Year courses, and the Undergraduate Cognitive Science Programs.

Chairman and coordinator for the undergraduate joint honours degree in Computer Science and AI, University of Edinburgh, from 1987 to 1988.

Director of the Graduate Program in Cognitive Science, University of Edinburgh, from 1987 to 1988.

External Examiner, M.Sc. in Cognitive Science, University of Essex, from 1985 to 1988.

Chair of Graduate Admissions, CIS, U.Penn, 1990–1998

Graduate Chair, CIS U.Penn, 1993–1998.

Director, Institute for Language, Cognition, and Computation (ILCC, formerly ICCS), School of Informatics, University of Edinburgh, 1998–2010

Acting Director, Centre for Speech Technology Research, School of Informatics, University of Edinburgh, 2000–2003

SERVICE:

Founding Editor (joint): *Language and Cognitive Processes*, 1984-1992; Senior Editor, *Cognitive Science*, 1997–1999.

Advisory Editor: *Cognition*, 1980–2002; *Linguistics*, 1979-1992; *Journal of Semantics*, from 1985; *Language and Cognitive Processes* renamed *Language, Cognition, and Neuroscience*, from 1992; *Language and Speech*, 1994–2000, *Cognitive Science*, from 1996; *Journal of Comparative Germanic Linguistics*, 1996–2000; *Lingua*, 1999-2004; *Computational Linguistics*, from 2005-2008; *Semantics and Pragmatics*, from 2007; *Linguistics in Language Technology*, from 2007; *Syntax*, from 2010; *Journal of Language Modeling*, from 2013; *Transactions of the Association for Computational Linguistics*, from 2012.

Reviewer: *Perception*; *Cognitive Psychology*; *Linguistics and Philosophy*; *Cognitive Science*; *Synthèse*; *Natural Language and Linguistic Theory*; *Language*; *Computational Linguistics*; *Behaviour and Brain Sciences*; *Artificial Intelligence*, *Linguistic Inquiry*, *Journal of Applied Linguistics*, etc. etc. Also referee for numerous publishers and book series (Kluwer, Academic Press, MIT Press, Cambridge UP, Oxford UP, Wiley-Blackwell, etc.).

Program Committee for 27th Annual Conference of the Association for Computational Linguistics, Vancouver, June 1989.

Area Chair for Natural Language Processing, International Joint Conference on Artificial Intelligence, Sidney, Australia. August 1991.

NIMH Advisory Panel for Cognitive Science, May 1993

Program Committee for 33rd Annual Conference of the Association for Computational Linguistics, Boston, June 1995.

Program Committee for the Student Session of the 33rd Annual Conference of the Association for Computational Linguistics, Boston, June 1995.

Member, Review Committee for Annual International Workshop on Parsing Technology, 1995–1999.

Member, Review Committee, 9th Amsterdam Colloquium, ILLC Univ. Amsterdam 1993.

Member, Review Committee, European Conference on Artificial Intelligence 1994–1996

Member, Program Committee for 35rd Annual Conference of the Association for Computational Linguistics, Madrid, June 1997.

Member, NIMH Advisory Panel for Cognitive Science, May 1993, June 1997.

Member, NSF Review Panels March April 1994.

Member, ESRC/MRC/SERC JCI External Review Committee: Joint Council Initiative in Cognitive Science and Human Computer Interaction (UK) 1996.

Member, Review Committee, 12th Amsterdam Colloquium, ILLC Univ. Amsterdam 1998.

Member, NIMH Perception and Cognition Study Section (PEC), Fall 1997–summer 1999.

Member, NIMH Biobehavioral and Behavioral Processes Study Section 3 (BBBP-3), Fall 1999—Summer 2001.

Member, NIH Biobehavioral and Behavioral Processes Advisory Panel (BBBP-3), November 2004

Member, Standing Committee for the Annual European Summer School in Logic, Language, and Information (ESSLLI) from 1999–2002

Member, Program Committee for 40th Annual Conference of the Association for Computational Linguistics, Philadelphia, June 2002.

Member, Program Committee for 18th National Conference on Artificial Intelligence, Edmonton, July 2002, Canada.

Member, Programme Committee, International Conference of Music in Artificial Intelligence, Edinburgh Sept 2002

Member, review panel, Formal Grammar Conference, Trento August 2002

Member, review panel, TIME 2002, Manchester August 2002

Member, review panel, International Conference on Spoken Language Processing (ICSLP) 2000.

Member, review panel, TAG+ Conference, Venice, June, 2002.

Member, INRIA External Review Committee for Theme 2A: Paris, October 2002.

Member EPSRC Review College, 2003–2012.

Member, Review Panel, Conference on Semantics and Linguistic Theory (SALT 13), 2003

Member, Review Panel, 4th Conference of the North American Chapter of the Association for Computational Linguistics (HLT-NAACL 2003), Edmonton.

Member, Review Panel, International Workshop on Parsing Technology, (IWPT-03),

Member, Review Panel, EUROGRAPHICS 2003.

Co-Chair, SIGDAT International Conference on Empirical Methods in Natural Language Processing (EMNLP), Sapporo Japan, July 2003.

Member, External Review Committee Onderzoeksschool Logika (Dutch Graduate School in Logic) for Dutch Royal Academy for the Sciences (KNAW) February 2004

Member, Review Panel, International Workshop on Parsing Technology, (IWPT-04),

Member, Review Panel, 42nd Annual Meeting of the Association for Computational Linguistics (ACL), Barcelona 2004

Member, Review Panel, Conference on Semantics and Linguisti Theory (SALT 14), 2004

Member, Review Panel, International Workshop on Parsing Technology, (IWPT-04),

Member of the Executive Committee, Association for Computationa Linguistics, 2005-2008

Member, Review Panel, 43rd Annual Meeting of the Association for Computational Linguistics (ACL), Ann Arbor MI 2005

Member, Review Panel, SIGDAT International Conference on Empirical Methods in Natural Language Processing (EMNLP) 2005

Member, Review Panel, International Workshop on Parsing Technology, (IWPT-05),

Member, EPSRC Review Panel, People and Interactivity. 2004.

Member, EU FP6 Cognitive Systems Program Review Board for the project COSY, November 2005

Member, Review Panel, 5th Conference of the North American Chapter of the Association for Computational Linguistics (HLT-NAACL 2006)

Member, Review Panel, International Workshop on Parsing Technology, (IWPT-06),

Member, Review Panel, 46th Annual Meeting of the Association for Computational Linguistics (ACL), Prague 2006

Member, NIH Biobehavioral and Behavioral Processes Advisory Panel (BBBP-D(04)), February 2006

Member, EU Advisory Panel for the FP7 Call Computational Cognitive Systems, Luxembourg, March 2006

Member Advisory Board of the MCRI on Asymmetry at the Interface and the Cognitive System, SSHRC, Canada (2004-2009)

Member, EU FP6 Cognitive Systems Program Review Board for the project COSY, November 2006.

Chair Evaluation Committee of the Institute for Logic, Language, and Information (ILLC), Universiteit van Amsterdam, October-November 2006.

Member, Evaluation Committee for INRIA/LORIA Nancy, July 2008

Chair Midterm Evaluation Committee of the Institute for Logic, Language, and Information, Universiteit van Amsterdam, May 2010.

Member, EPSRC Review Panel, ICT Responsive Mode Panel, Sept. 2012.

Advisor for the Renewal Evaluation of the Institute for Logic, Language, and Information, Universiteit van Amsterdam, October 2012.

Chair, Mature Centre Review Panel for Centre for Language Sciences (CLaS), Macquarie University, Sydney Australia, November. 2012.

Co-chair, Comité d'expertise pour l'Évaluation du Bachelor et du Master en Informatique pour les sciences humaines, Université de Genève (avec Prof. Bertrand Meyer, ETH Zürich), June 2013.

Chair, Midterm Evaluation Committee of the Institute for Logic, Language, and Information (ILLC), Universiteit van Amsterdam, May 2015 (with Prof. Angelika Kratzer, UMass Amherst, and Prof. Wolfgang Thomas, U. Aachen).

Expert delegate, OECD meeting to compare computer and human skills, Russell Sage Foundation New York, May 2016.

Member, Review Panel for Deutsche Forschungsgemeinschaft (DFG, German Research Foundation) "Clusters of Excellence in the area of Computer Science" Bonn, May 2017

Member, Scientific Advisory Council for the Institute for Logic, Language, and Information (ILLC), Universiteit van Amsterdam, November 2019 (with Prof. Valeria de Paiva (Nuance), Prof. Hannes Leitgeb (Ludwig Maximilian University of Munich) and Prof. Moshe Vardi (Rice U.).

RESEARCH STATEMENT:

Mark Steedman is Professor of Cognitive Science in the School of Informatics at the University of Edinburgh. Previously, he taught as Professor in the Department of Computer and Information Science at the University of Pennsylvania, which he joined as Associate Professor in 1988, after teaching at the Universities of Warwick and Edinburgh. His PhD is in Artificial Intelligence from the University of Edinburgh. He was a Alfred P. Sloan Fellow at the University of Texas at Austin in 1980/81, and a Visiting Professor at Penn in 1986/87. He is a Fellow of the American Association for Artificial Intelligence, the British Academy, the Royal Society of Edinburgh, the Association for Computational Linguistics, and the Cognitive Science Society, and a Member of the European Academy. He is ranked among the top 100 Computer Scientists in the UK by Guide2Research (2020).

His research interests cover issues in computational linguistics, artificial intelligence, computer science and cognitive science, including syntax and semantics of natural language, wide-coverage parsing and question-answering, comprehension of natural language discourse by humans and by machine, grammar-based language modeling, natural language generation, and the semantics of intonation in spoken discourse. Much of his current NLP research is addressed to probabilistic parsing and robust semantics for question-answering using the CCG grammar formalism, including the acquisition of language from paired sentences and meanings by child and machine. He sometimes works with colleagues in computer animation using these theories to guide the graphical animation of speaking virtual or simulated autonomous human agents. Some of his research concerns the analysis of music by humans and machines.

PH.D. THESES & POSTDOCS SUPERVISED:

Gerry Altmann. (PhD, AI and CCS, Edinburgh). Reference and the resolution of local syntactic ambiguity: the effect of context during human sentence processing. Awarded 1986. Professor, University of Connecticut CT.

Marc Moens. (PhD, CCS, Edinburgh) Tense, Aspect and Time Reference. Awarded 1988. Venture Capitalist, Edinburgh.

Remo Pareschi (PhD, AI and CCS, Edinburgh). Algorithmic Processing of Unification-based Implementations of Extended Categorial Grammars. Awarded 1989. Associate Professor, University of Molise, Italy.

Nick Haddock. (PhD, AI and CCS, Edinburgh). Incremental Semantic Interpretation and Interactive Syntactic Processing. Awarded 1989. Senior Research Officer Hewlett Packard, Palo Alto CA.

Einar Jowsey. (PhD, AI, Edinburgh) Constraining Formal Grammar for Computational Applications. Awarded 1991. Post-doctoral Research Fellow in Computer Science at the University of Essex, UK.

Mark Hepple (PhD, CCS, Edinburgh, with E. Engdahl) Word order and Processing in English and Germanic Languages. Awarded 1991. Senior Faculty, University of Sheffield UK.

Cathérine Pelachaud (PhD, CIS, U. Penn, with N. Badler), Communication and Coarticulation in Facial Animation. Awarded 1991. Senior Researcher, INRIA Paris.

Michael Niv (PhD, CIS, U. Penn) Processors for Combinatory Grammars. Awarded 1993. Postdoctoral Research Fellow, Dept of Computer Science, Technion, Tel Aviv Israel. SRA Arlington VA.

Michael White (PhD, CIS, U. Penn) Temporal Semantics and Temporal Reference. Awarded August 1994. Senior Computational Linguist, Cogentex, Ithaca NY. Faculty, Linguistics, The Ohio State University.

Beryl Hoffman (PhD, CIS U. Penn) Syntax, Semantics and Discourse Information in Turkish, Awarded Aug 1995. NATO Post-doctoral Fellow, University of Edinburgh. Faculty, Marymount College, Arlington VA.

Scott Prevost (PhD, CIS U.Penn) Intonation, Context and Contrastiveness in Spoken Language Generation. Awarded December 1995. Post-doctoral Fellow, MIT Media Lab. Research Scientist, Fuji Xerox. CSO Headpedal Inc. CEO BING, Microsoft.

Jong Park (PhD, CIS, U. Penn) Semantics for Combinatory Grammars. Awarded May 1996. Faculty, KAIST Korea.

Charles Ortiz (PhD, CIS, U. Penn) Worlds of Change: Counterfactual Reasoning and Causation. Awarded December 1996. Post Doctoral Fellow, Harvard. Senior Research Scientist SRI Menlo Park; Director, Nuance Laboratory for Research in Artificial Intelligence and Natural Language.

Matthew Stone (PhD, CIS, U. Penn) Modality in Dialogue: Planning, Pragmatics and Computation. awarded Dec 1998. **FoLLI Prize for Outstanding Dissertation in Language, Logic and Computation for 1999**. Associate Professor, Rutgers U.

Nobo Komagata (PhD, CIS, U. Penn), Information Structure in Texts: A Computational Analysis of Contextual Appropriateness in English and Japanese. Dec 1999. Assistant Professor, UNJ Trenton

Frank Keller (PhD, Informatics, Edinburgh, with A. Sorace) Gradience in Grammar: Experimental and Computational Aspects of Degrees of Grammaticality, June 2000. Faculty, University of the Saarlandes Saabrücken. Faculty, University of Edinburgh.

Jane Neumann (PhD, Informatics, Edinburgh, with D. Willshaw), Holistic Processing of Hierarchical Structures in Connectionist Networks. June 2001. Postdoc, Max Planck Institut for Cognitive Neuroscience, Leipzig

Jason Baldridge (PhD, Informatics, Edinburgh), Lexically Specified Derivational Control in Combinatory Categorial Grammar, Dec 2002. **Beth Prize for Outstanding Dissertation in Language, Logic and Computation for 2002.** Associate Professor, Linguistics, University of Texas at Austin; Senior Scientist Google Mountain View CA.

Julia Hockenmaier (PhD, Informatics, Edinburgh), Data and Models for Statistical Parsing with Combinatory Categorial Grammar. June 2003. **Pub. BCS Distinguish Dissertations Collection, shortlisted for BCS Distinguished Dissertation 2003.** Associate Professor, Computer Science, University of Illinois Urbana-Champagne.

Dr. Stephen Clark (Postdoc 2000-2004, Informatics Edinburgh) on EPSRC grant GR/M96889. Faculty, Computer Science, University of Oxford; Computing Laboratory, University of Cambridge.

Dr. Johan Bos (Postdoc 2003-2005, Informatics Edinburgh) on EU FP5 grant MAGICSTER. Senior Researcher, University La Sapienza, Rome; Associate Professor, University of Groningen.

Maarika Traat (PhD, Informatics, Edinburgh), Information Structure in Discourse Representation, June 2006, Postdoc U. Tartu, Estonia.

Mark McConville (PhD, Informatics, Edinburgh), An Inheritance-Based Theory of the Lexicon in Combinatory Categorial Grammar Dec. 2006, Soillse Research Fellow, University of Glasgow

Sasha Calhoun (PhD, Informatics, Edinburgh, with Bob Ladd), Intonation and Information Structure in English, 2007. Faculty, University of Wellington, NZ.

Ruken Cakıçı (PhD, Informatics, Edinburgh), Wide Coverage Parsing for Turkish, May 2009, Lecturer, Middle East Technical University.

Dr. Ron Petrick (Postdoc, Informatics, Edinburgh 2006-present), EU IST IPs Paco+, Xperience

Dr. Chris Geib (Postdoc, Informatics, Edinburgh 2006-2013), Paco+, Xperience; Associate Prof. Drexel University.

Dr. Luke Zettlemoyer (Postdoc 2010-2011, Informatics Edinburgh), Assistant Prof, University of Washington, Seattle. NSF

Thomas Kwiatkowski (PhD, Informatics, Edinburgh), Probabilistic Grammar Induction from Sentences and Structured Meanings, May 2012, Postdoc., University of Washington, Seattle; Allen Institute, Seattle; Google New York.

Kira Mourão (PhD, Informatics, Edinburgh), Learning Action Models using Kernel Perceptrons, May 2012, Postdoc., University of Edinburgh, EU IST Xperience.

Emily Thomforde (PhD, Informatics, Edinburgh), Semi-supervised Lexical Acquisition for Wide Coverage Parsing, May 2013. Freelance Game Developer, Edinburgh **Scottish BAFTA award 2013**.

Dr. Alexandra Birch-Mayne (Postdoc 2010-2013, Informatics Edinburgh), ERC grant GRAMPLUS.

Dr. Tejaswini Deoskar (Postdoc 2011-2015, Informatics Edinburgh), ERC grant GRAMPLUS.

Dr. Nathaniel Smith (Postdoc 2012-2015, Informatics, Edinburgh), EU IST IPs Xperience

Dr. Omri Abend (Postdoc 2013-2015, Informatics Edinburgh), ERC grant GRAMPLUS.

Dr. Jeff Mitchell (Postdoc 2013-2015, Informatics Edinburgh), ERC grant GRAMPLUS.

Mark Granroth-Wilding, (PhD, Informatics, Edinburgh), Harmonic Analysis of Music using Combinatory Categorial Grammar. June 2013. Postdoc Computing Laboratory, University of Cambridge.

Chris Christodoulopoulos, (PhD, Informatics, Edinburgh), Unsupervised Syntactic Category Induction using Multi-level Linguistic Features, December 2013. Postdoc, Computer Science, University of Illinois Urbana-Champagne.

Prachya Boonkwan, (PhD, Informatics, Edinburgh), Scalable Semi-Supervised Grammar Induction using Cross-Linguistically Parameterized Syntactic Prototypes, June 2014. Researcher, National Electronic and Computer Technology Center (NECTEC) Pathumthani, Thailand

Aciel Eshky, (PhD, Informatics, Edinburgh), Generative Probabilistic Models of Goal-Directed Users in Task Oriented Dialogs, Dec 2014. Postdoc, Informatics Edinburgh. Researcher Quantics, Edinburgh

Mike Lewis, (PhD, Informatics, Edinburgh), Combined Distributional and Logical Semantics, May 2015. Postdoc., University of Washington, Seattle; Allen Institute, Seattle. Researcher, Facebook.

Greg Coppola, (PhD, Informatics, Edinburgh), Iterative Parameter Mixing for Distributed Large-Margin Training of Structured Predictors for Natural Language Processing, Dec 2014. Google, New York.

Loukou, Felicia (Masters by Research, Informatics, Edinburgh), Typed Entailment Graphs with Light Verb Constructions, May 2016. Data Scientist, UK Government Digital Service.

Siva Reddy (PhD, Informatics, Edinburgh, with M. Lapata) Syntax-Mediated Semantic Parsing, May 2017. Stanford University, Post-doc in Computer Science.

Bharat Ram Ambati (PhD, Informatics, Edinburgh) Transition-based Combinatory Categorial Grammar Parsing for English and Hindi, May 2016. Apple, Cupertino, CA.

Andrew McLeod (PhD, Informatics, Edinburgh), The Language of Music: A Computational Model of Music Interpretation, June 2018. Postdoc, Speech and Audio Processing Group in the Graduate School of Informatics at the University of Kyoto.

John Torr (PhD, Informatics, Edinburgh), Wide-coverage Statistical Parsing with Minimalist Grammars, May 2019)

Javad Hosseini (PhD, Informatics, Edinburgh), Work In Progress (from Jan 2016).

Ida Szubert (PhD, Informatics, Edinburgh), Work In Progress (from Sept 2016).

Sander Bijl de Vroe (PhD, Informatics, Edinburgh), Work In Progress (from Nov 2017).

Sabine Weber (PhD, Informatics, Edinburgh), Work In Progress (from Dec 2017).

Liane Guillou (Postdoc), June 2017–

Miloš Stanojević (Postdoc), Nov 2017-

Thomas Kober (Postdoc), Jan 2018–

PUBLICATIONS:

Books

(1996a) *Surface Structure and Interpretation*, Linguistic Inquiry Monograph **30**, MIT Press.
(2000a) *The Syntactic Process*, MIT Press.
(2001a) *The Syntactic Process*, MIT Press. (paperback edition)
(2012a) *Taking Scope: The Natural Semantics of Quantifiers*, MIT Press.

Corpora

(2005a) *CCGbank*, (with Julia Hockenmaier), Linguistic Data Consortium, LDC2005T13 (ISBN 1-58563-340-2), Philadelphia, PA.
(2009a) *NXT-format Switchboard Corpus* (with Sasha Calhoun, Jean Carletta, et. al.), Linguistic Data Consortium, LDC2009T26 (ISBN: 1-58563-526-X), Philadelphia, PA.
(2015a) *XML Massively Parallel Bible Corpus* (with Chris Christodoulopoulos), ILCC Informatics, Edinburgh `http://groups.inf.ed.ac.uk/ccg/corpora.html`.
(2016f) *Hindi CCGbank* (with Bharat Ambati and Tejaswini Deoskar), ILCC Informatics, Edinburgh `http://groups.inf.ed.ac.uk/gramplus/corpora.html`.

Refereed Journal Articles

(1977a) "The Perception of Musical Rhythm and Metre", *Perception,* **6**, 555-569.
(1977b) "Verbs, Time and Modality", *Cognitive Science,* **2**, 216-234.
(1978a) "The Psychology of Syllogisms", (with Philip Johnson-Laird), *Cognitive Psychology,* **10**, 64-99.
(1982a) "On the Order of Words", (with Tony Ades) *Linguistics and Philosophy,* **4**, 517-558.
(1983a) "On the Generality of the Nested Dependency Constraint and the Reason for an Exception in Dutch", *Linguistics,* **21.1**, 35-66.
(1984a) "A Generative Grammar for Jazz Chord Sequences", *Music Perception,* **2.1**, 52-77.
(1985a) "LFG and Psychological Explanation", *Linguistics and Philosophy,* **8.3**, 359-385.
(1985b) "Dependency and Coordination in the Grammar of Dutch and English", *Language,* **61.3**, 523-568.
(1987a) "Combinatory Grammars and Parasitic Gaps", *Natural Language and Linguistic Theory*, **5**, 403-439.
(1988a) "Temporal Ontology and Temporal Reference", (with Marc Moens), *Computational Linguistics*, **14**, 15-28. (Reprinted as 2005u.)
(1988b) "Interaction with Context During Human Sentence Processing", (with Gerry Altmann), *Cognition*, **30**, 191-238
(1989a) "Ambiguity in Context: a reply", (with Gerry Altmann), *Language and Cognitive Processes*, **4**, 105-122.
(1990a) "Gapping as Constituent Coordination", *Linguistics and Philosophy,* **13**, 207-264.
(1991a) "Structure and Intonation", *Language,* **68.2**, 260-296.
(1993a) "Categorial Grammar", *Lingua,* **90**, 221-258.
(1994a) "Acquisition of Verb Categories", *Lingua,* **92**, 471-480.
(1994b) "Specifying Intonation from Context for Speech Synthesis", (with Scott Prevost), *Speech Communication,* **15**, 139-153.
(1994c) "The Well-tempered Computer", *Philosophical Transactions of the Royal Society, A,* **349**, 115-130.
(1996b) "Generating Facial Expressions for Speech" (with Catherine Pelachaud and Norman Badler), *Cognitive Science,* **20**, 1-46.

(1999a) "Connectionist Sentence Processing in Perspective", *Cognitive Science,* **23**, 615-634.

(2000b) "Information Structure and the Syntax-Phonology Interface", *Linguistic Inquiry,* **31**, 649-689.

(2002a) "Plans, Affordances, and Combinatory Grammar," *Linguistics and Philosophy,* **25**, 723-753.

(2003a) "Discourse and Information Structure" (With Ivana Kruijff-Korbayová), *Journal of Logic, Language and Information,* **12**, 249-259.

(2006a) "Is Semantics Computational?" (With Matthew Stone), *Theoretical Linguistics* **32**, 73-89.

(2006b) "Categorial Grammar and the Semantics of Contextual Prepositional Phrases," (with Nissim Francez) *Linguistics and Philosophy,* **29**, 381-417.

(2007a) "CCGbank: A Corpus of CCG Derivations and Dependency Structures Extracted from the Penn Treebank," (with Julia Hockenmaier) *Computational Linguistics,* **33**, 355-396.

(2008a) "On Becoming a Discipline" (2007 ACL Presidential Address to the 45th Annual Conference) *Computational Linguistics,* **34**, 137-144

(2010a) "The NXT-Format Switchboard Corpus: A Rich Resource for Investigating the Syntax, Semantics, Pragmatics, and Prosody of Dialog," (With Sasha Calhoun, Jean Carletta, Jason Brenier, Neil Mayo, Dan Jurafsky, and David Beaver), *Language Resources and Evaluation,* **44**, 387-419.

(2011b) "Object-Action Complexes: Grounded Abstractions of Sensorimotor Processes", (with Norbert Krüger, Christopher Geib, Justus Piater, Ronald Petrick, et al., *Robotics and Autonomous Systems,* **59**, 740-757.

(2011c) "Romantics and Revolutionaries: What Theoretical and Computational Linguists Need to Know about Each Other* (*But were Afraid to Ask)", *Linguistic Issues in Language Technology ,* **6**.

(2013a) (with Mike Lewis) "Combined Distributional and Logical Semantics," *Transactions of the Association for Computational Linguistics,* **1**, 179-192.

(2014a) "The Surface Compositional Semantics of English Intonation," *Language,* **90**, 2-57.

(2014b) (with Mark Granroth-Wilding) "A Robust Parser-Interpreter for Jazz Chord Sequences," *Journal of New Music Research,* **43**, 355-374.

(2014c) (with Mike Lewis) "Improved CCG Parsing with Semi-supervised Supertagging" *Transactions of the Association for Computational Linguistics,* **2**, 327-338.

(2014d) (with Siva Reddy and Mirella Lapata) "Large-scale Semantic Parsing without Question-Answer Pairs." *Transactions of the Association for Computational Linguistics,* **2**, 377-392.

(2014e) "Evolutionary Basis for Human Language: Comment on "Toward a Computational Framework for Cognitive Biology: Unifying Approaches from Cognitive Neuroscience and Comparative Cognition" by Tecumseh Fitch," *Physics of Life Reviews,* **11**, 382-388.

(2015b) (with Christos Christodoulopoulos) "A Massively Parallel Corpus: ç The Bible in 100 Languages" *Language Resources and Evaluation,* **49**, 375-395.

(2016a) (with Andrew McLeod) "HMM-Based Voice Separation of MIDI Performance" *Journal of New Music Research,* **45**, 17-26.

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(2006c) "Syntactic Variables and Variable-free Syntax," Encyclopædia of Language and Linguistics, 2nd edn., Ed. Keith Brown, v.12:394-402.

(2006d) "Combinatory Categorial Grammar," Encyclopædia of Language and Linguistics, 2nd edn., Ed. Keith Brown, v.2:610-622.

(2006e) "Semantics in Categorial Grammar," Encyclopædia of Language and Linguistics, 2nd edn., Ed. Keith Brown, v11:143-142.

(2007f) "Information-Structural Semantics for English Intonation", in Chungmin Lee, Matthew Gordon, and Daniel Büring (eds.) *Topic and Focus: Cross-linguistic Perspectives on Meaning and Intonation*, Kluwer: Dordrecht.

(2007g) "On 'The Computation'," in Gillian Ramchand and Charles Reiss, (eds.), *The Oxford Handbook of Linguistic Interfaces*, Oxford University Press, Oxford, 575-611

(2009c) "Welsh Syntactic Soft Mutation", in *Abstracts of the 6th Old World Conference on Phonology,* Edinburgh, February 22-24, 23..

(2009d) "Foundations of Universal Grammar in Planned Action" in Morten Christiansen, Chris Collins, and Shimon Edelman (eds.), *Language Universals*, Oxford University Press Oxford, 174-199.

(2009e) (with Kwiatkowski et al.)"Computational Grammar Acquisition from CHILDES data using a Probabilistic Parsing Model", Workshop on Psycho-Computational Models of Human Language Acquisition, at the 31st Annual Meeting of the Cognitive Science Society (Poster).

(2010b) "Embodied Compositionality" (Comment on 'Embodied Language, Best-Fit Analysis, and Formal Compositionality' by J. Feldman), *Physics of Life Reviews, 7*, 418-420.

(2011g) (with Jason Baldridge) "Combinatory Categorial Grammar," in Kirsti Börjars and Bob Borsley, (eds.), *Non-Transformational Theories of Grammar*, Blackwell Oxford, 181-224.

(2011h) (with Granroth-Wilding)"Analysis of Jazz Chord Sequences with Combinatory Categorial Grammar", The Neurosciences and Music IV: Learning and Memory, Edinburgh (Poster)

(2012f) (with Christodoulopoulos et al.) "Turning the Pipeline into a Loop: Iterated Unsupervised Dependency Parsing and PoS Induction", Proceedings of the NAACL-HLT Workshop on the Induction of Linguistic Structure, Montreal, 96-99.

(2012g) (with Granroth-Wilding) "Harmonic Analysis of Jazz MIDI Files Using Statistical Parsing", in Proceedings of the 5th International Workshop on Machine Learning and Music (MML12) Edinburgh (abstract).

(2012h) "Computational Linguistic Approaches to Temporality", in Robert Binnick (ed.) *The Oxford Handbook of Tense and Aspect*, Oxford University Press, 102-120.

(2014l) "Categorial Grammar", in Andrew Carnie, Yosuke Sato, and Daniel Siddiqui (eds.) *The Routledge Handbook of Syntax*, Routledge, 670-701.

(2014m) (with Lewis) 'Combining Formal and Distributional Models of Temporal and Intensional Semantics'", In Proceedings of the ACL Workshop on Semantic Parsing, Baltimore, MD., 28-32 (**Google Best Paper Award**).

(2015f) (with Jeff Mitchell, "Parser Adaptation to the Biomedical Domain without Re-Training", in Proceedings of the 6th International Workshop on Health Text Mining and Information Analysis (LOUHI), 79-89.

(2017g) "The Emergence of Language", *Mind and Language, 32*, 579-590.

(2019g) "Form-Independent Meaning-Representation for Eventualities" in Truswell, Robert (ed.) *The Oxford Handbook of Event Structure*. Oxford University Press, 605-623.

(2019h) "Combinatory Categorial Grammar" in András Kertész, Edith Moravcsik, and Csilla Rákosi (ed.) *Current Approaches to Syntax—a Comparative Handbook*. de Gruyter Mouton: Berlin, (to appear).

(2019i) (with Sabine Weber), "Construction and Alignment of Multilingual Entailment Graphs for Semantic Inference", In Proceedings of the ACL Workshop on Widening NLP, Florence, 77-79.

Recent Keynote Addresses and Invited Lectures

"On Becoming a Discipline", 2007 ACL. Presidential Address to the 45th Annual Conference) published as [2008a] *Computational Linguistics, 34*, 137-144.

"Grounding Language in Action Representation", Keynote Address to the Third International Conference on Cognitive Systems, Karlsruhe, April 2008.

"The Intonational Interface", invited talk to the Conference on Experimental and Theoretical Advances in Prosody, Cornell April 2008

"The Grammar of Scope", invited talk to the Workshop on Logic, Language and Information (WOLLIC 2008), Edinburgh, July 2008.

"The Intonational Interface", invited talk to the Workshop on Prosodic Interface Relations, Stuttgart, November 2008.

"Combinatory Categorial Grammar for Robust Natural Language Processing", referee selected tutorial at the 12th Conference of the European Chapter of ACL (EACL) 2009, Athens. (Two lectures).

"The Statistical Problem of Language Acquisition" keynote address to the 2nd Worshop on Semantic Processes, Logic, & Cognition, Tübingen, April 2009.

"From Mirror-Neurons and FOXP2 to Language", Keynote address to the Morris Symposium on Language, Cognition, and Motor Control, Stony Brook NY, May 2009.

"Dialog as Planning with Knowledge and Sensing" (with Ron Petrick) ARO Workshop on Situated Understanding of Intention, IRCS, University of Pennsylvania, Philadelphia PA, July 2009.

"Grounding Language in Object-Centered Affordance (OACs)" invited paper, Workshop on Object-Action Complexes (OACs), Humanoids Conference, 7th December 2009.

"Computational Grammar Acquisition from CHILDES data using a Probabilistic Parsing Model" (with Kwiatkowski et al.), Workshop on Psycho-Computational Models of Human Language Acquisition, at the 31st Annual Meeting of the Cognitive Science Society.

"Comments on Topics" (with Calhoun), invited paper, Workshop "Towards a Linguistically-Motivated Annotation Scheme for Information Status", LSA Conference, Baltimore MD, January 2010.

"Combinatory Categorial Grammar for Robust Natural Language Processing" invited tutorial, University of Geneva Doctoral School, Leysin, March 2010

"Combinatory Categorial Grammar as a Framework for Linguistics" invited tutorial, University of York Frameworks, York, April 2010

"Formal Grammars for Computational Musical Analysis" Music, Pattern, and Math Workshop, Herstmonceux Castle, Sussex, August 2010.

"Formal Foundation of Grammar in Collaborative Action" 18th ESPP Conference, Bochum, August 2010.

"Plans and the Structure of Meaning" Dynamics in Semantics, Stuttgart, September 2010.

"Some Important Problems in Natural Language Processing" Hamming Lecture, University of Edinburgh, September 2010.

"Intonation, Conversation, and Melody" Invited Lecture, Radcliffe Seminar on Prosody and Dialog in Language and Music, Radcliffe Institute, November, 2010.

"Learning Cognitive Symbolic Systems" Invited Address, Symposium "Defining Cognitive Informatics", University of Vienna, January, 2011.

"Compositionality in Language and Collaborative Planning" Keynote, The Annual Conference of the Association for Artificial Intelligence and the Simulation of Behaviour, York, April, 2011.

"Computing Scope in a Natural Logic" invited address, Tübingen Conference on Semantic Processing, July 2011.

"Computing Scope in a Natural Logic." Keynote, International Conference on Parsing Technology, Dublin, October 2011.

"The Statistical Problem of Language Acquisition" invited address, Harvard/Australia Workshop, Macquarie University, August 2011

"The Statistical Problem of Language Acquisition" keynote, CUNY Conference New York March 2012

"The Statistical Problem of Language Acquisition" keynote, EACL Conference Workshop on Computational Models of Language Acquisition and Loss, Avignon, April 2012

"Combinatory Categorial Grammar for Robust Natural Language Processing", Invited Course at the North American Summer School on Logic, Language, and Information (NASSLLI), Austin TX., June 2012. (Five lectures).

"The Statistical Problem of Language Acquisition," invited address, Conference on Logical Aspects of Computational Linguistics, Nantes, July, 2012.

"Parsing with Case, Coordination, and Free Word Order," keynote, ACL Workshop on Parsing and Semantic Processinf of Morphologically Rich Languages, Jeju, Korea, July, 2012.

"Parsing with Case, Coordination, and Free Word Order," keynote, 19th HPSG Conference, Daejeon Korea, July 2012.

"Mild Context Sensitivity and Near-Context Freedom", invited talk, Festschrift for Aravind Joshi, Philadelphia PA, October 2012.

"Using Linguistic Knowledge in Natural Language Processing", Invited address, The Amsterdam SMART Cognitive Science Colloquium, November 2012.

"Treebanking in the Language of Thought", keynote, 11th International Workshop on Treebanks and Linguistic Theories (TLT), Lisbon, November 2012.

"Structurally Bootstrapping Grounded Language for Robots", keynote, Workshop on Bootstrapping Structural Knowledge from Sensory-Motor Experience, ICRA, Karlsruhe, May 2013.

"Robust Compositional Semantics" Keynote, 18th Australasian Document Computing Symposium (ADCS) and 11th Annual Workshop of the Australian Language Technology Association (ALTA), 4-6 December 2013, Brisbane.

"Planning and Language: A New Synthesis". Keynote, 31st Workshop of the UK Planning and Scheduling Special Interest Group, Edinburgh 29th-30th January 2014

"Computation, Probability, and Temporal Ontology" Invited paper, Conference on Tense in Semantics and Philosophy of Language, 5-6th June 2014, St. Andrews.

"Generalized Categorial Grammars and Logical Form", Invited paper, Festschrift for Emmon Bach, 20-21st June 2014, Frankfurt.

"Semantics for Semantic Parsers" Keynote, ACL Conference Workshop on Semantic Parsing, 26th June 2014, Baltimore.

"Towards Wide Coverage Parsing for Construction Grammar". Invited talk to the Workshop on Computational Construction Grammar, 8th International Conference on Construction Grammar (ICCG8), September 2014, Osnabrück.

"Robust Semantics for Natural Language Processing" Keynote, 9th International Conference on Natural Language Processing (PolTAL), September 2014, Warsaw.

"Robust Semantics for Semantic Parsing" Keynote, 28th Pacific Asia Conference on Language, Information and Computing (PACLIC). December 2014, Phuket, Thailand

"Transitivity and Scope of Null Indefinites", Keynote talk, Conference on Interactions between Syntax and Semantics across Frameworks, January 2015, Cambridge.

"A Theory of Content", keynote talk, ISBCS, May 2015, Ankara, Turkey.

"A Theory of Content", keynote talk, Israeli Seminar on Computational Linguistics, June 2015, Tel Aviv.

"A Distributional Theory of Content for NLP" keynote talk, Cognitive Computation Workshop, Imperial College, September 2015.

"Combinatory Categorial Grammar for Robust Natural Language Processing: Lectures on Wide-Coverage Parsing, Semantic Parsing, Question Answering and Text Entailment and Computational Semantics", Samsung Elextronics Polska, Warsaw, December 2015 (Four lectures).

"Combinatory Categorial Grammar for Linguists" Course at the LOT Winter School, Tilburg, January 2016 (five lectures).

"A Distributional Theory of Content for NLP" Keynote address to 22nd International Conference on Computational Linguistics and Intellectual Technologie, RSUH Moscow June 2016.

Commentator, University of Stuttgart Computational Linguistics summer retreat, Kleinwalsertal, Austria.

"On Distributional Semantics", Keynote address to the 54th Annual Meeting of the Association for Computational Linguistics, Berlin, August 2016.

"Introduction to Combinatory Categorial Grammar", course at the ESSLLI Summer School, Bolzano, August 2016 (five lectures)

"A Distributional Theory of Content for NLP", invited talk, ESSLLI Workshop RefSemPlus, Bolzano, August 2016.

"Linguistics, computation, and modeling human language", invited talk CCD/CLaS Workshop on Modelling Human Language, Macquarie University, Sydney NSW, Dec 1 2016.

"On Distributional Semantics", keynote, 14th Annual Workshop of the Australian Language Technology Association, Monash University Melbourne Victoria, 6 Dec 2016.

"CCG for Natural Language Processing", course at the 2017 Interdisciplinärische Kolleg, Möhnesee-Günne, 13-216 March 2017 (four lectures).

"Introduction to Combinatory Categorial Grammar", course at the LSA Summer Institute, Lexington KY, July 2017 (eight lectures).

"Combinators and Minimalism: Putting Syntax Back Together Again", invited Forum Lecture, LSA Summer Institute, Lexington KY, 11 July 2017.

Ian Gordon Fellowship Lectures, Victoria University, Wellington NZ. Three public popular lectures on Language Evolution, Language Acquisition, and the Theory of Grammar, October 2017.

"The Lost Combinator", 2018 ACL Lifetime Achievement award address, 56th Annual Meeting of the Association for Computational Linguistics, Melbourne, July 2018.

"A Formal Universal of Natural Language Grammar", invited address to the Symposium on the Syntax of the Bantu Noun Phrase, Queen Mary University of London, September 2018.

"The Lost Combinator", keynote address to the Annual Conference of the Chinese Information Processing Society of China (CIPS), Beijing, November 2018.

"A Formal Universal of Natural Language Grammar", invited address to the Symposium on the Syntax of the Bantu Noun Phrase, Queen Mary University of London, September 2018.

"A Formal Universal of Natural Language Grammar", keynote address to the Categorial Grammar Summit, Xiangtan University, Hunan Province, China, April 2019.

Some Recent Talks

Scope Alternation and the Syntax-Semantics Interface,
Linguistics Department, NYU, New York, March 2012
Semantics and Implicature in the Meaning of English Intonation
Linguistics Department, Cornell University, Ithaca NY, Apr 2007
Linguistics Department, Northwestern University, Evanston IL, Apr 2007
The Statistical Problem of Language Acquisition
Linguistics Department, University of Edinburgh, November 2010.
Linguistics Department, University of Texas at Austin, February 2011.
Dublin Computational Linguistics Research Group, April, 2011.
Department of Computer Science, Carnegie Mellon University, April, 2011.
Department of Computer Science, La Sapienza, Rome, June 2012.
Department of Computer Science, KAIST University, Korea, July, 2012.
The Future of Semantic Parser Induction
Department of Computer Science, University of Sheffield, UK, November, 2012.
Department of Computer Science, University of Bath, UK, December, 2012.
Taking Scope
Dept of Computer Science, Macquarie University, Sydney NSW January 2012.
Combined Compositional and Distributional Semantics
CLaS/CCD, Macquarie University, Sydney NSW December 2013.
Formal Grammars for Computational Musical Analysis LANGUAGE Seminar, Ecole Normale Supériore, Paris March 2015.
A Distributional Theory of Content for NLP

Workshop on Semantic Theory and Empirical Evidence, University of Osnabrück, Sept 2009.

Linguæ Seminar, Ecole Normale Supériore, Paris March 2015.

IBM Thomas Watson Research Lab, Yorktown Heights NY March 2015.

Computer Science Dept Columbia University New York March 2015

Dept of Computer and Information Science, University of Pennsylvania October 2015.

Dept of Computer Science University of Trento October 2015.

Dept. of Computer Science, Queen Mary University of London, February 2016.

Google, London May 2016

Computational Linguistics Institute, University of the Saarland, Saabrücken, May 2016

Philosophy Department, Victoria University, Wellington NZ, October 2017.

Computer Science Department, University of Otago, Dunedin, NZ, October 2017.

Linguistics and Cognitive Science Program, University of Geneva May 2018

Invited talk, Institute of Software, Chinese Academy of Sciences, Beijing, November 2018.

Invited talk, Department of Computer Science, Peking University, Beijing, November 2018.

Invited talk, Huawei Noah's Ark, Hong Kong, December 2018.

Invited talk ILCC University of Amsterdam, November 2019

Bootstrapping Language Acquisition

Institute for Research in Cognitive Science, Otago University of Pennsylvania, March 2016.

Child Language Acquisition Group, University of Otago, Dunedin, NZ, October 2017.

Child Language Acquisition Group, University of Manchester, April 2018

Combinatory Categorial Grammar as a Linguistic Theory,

invited talk CCD/CS, Macquarie University, Sydney NSW, Nov. 23, 2016.

Combinatory Categorial Grammar for Natural Language Processing,

invited talk CCD/CS, Macquarie University, Sydney NSW, Nov. 30, 2016.

Form-Independent Semantic Representation for Eventualities

invited talk, Departement de Linguistique, Université de Genève, May 2018.

Keynote address, 2nd Sydney NLP/ALTA Mini-Conference, University of Sydney NSW, July 2018

Invited talk, DeepMind London, Jan. 2019.

invited talk, Natural Language Processing Group, University of California at Irvine, March 2019.

Present and Future Research in NLP

Invited talk, Huawei Noah's Ark, London, March 2019.

A Formal Universal of Natural Language Grammar

Invited talk CCD/CS, Macquarie University, Sydney NSW, July 2018.

The Combinatory Cognitive Science of Language,

Invited talk, Cognitive Science Group, University of California at Irvine, March 2019.

Grounding Natural Language Processing in Action Planning

Invited talk, DeepMind London, May 2019.