Matthew Stone

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Dec 2023

EDUCATION

- Ph.D., University of Pennsylvania, Department of Computer and Information Science
  December 1998
  Dissertation: *Modality in Dialogue: Planning, Pragmatics, and Computation*
  Advisor: Professor Mark Steedman.
- Sc.B., Brown Unversity, Department of Cognitive and Linguistic Sciences, 1992.

ACADEMIC EMPLOYMENT

- Professor and Member of the Graduate Faculty,
  Department of Computer Science, Rutgers, the State University of New Jersey, 2015–present.
- Visiting Researcher, Universität Potsdam, 2009–2010.
- Fellow, Center for Cultural Analysis, Rutgers, 2007–2008.
- Invited Research Stay, INRIA Lorraine, June 2007.
- Associate Professor (tenured) and Member of the Graduate Faculty,
  Department of Computer Science, Rutgers, the State University of New Jersey, 2005–2015.
- Leverhulme Trust Visiting Fellow,
  Human Communication Research Centre, School of Informatics,
  The University of Edinburgh, 2005–2006.
- Assistant Professor and Member of the Graduate Faculty, Department of Computer Science,
  Rutgers, the State University of New Jersey, 1999–2005.
- Joint Appointment, Center for Cognitive Science,
  Rutgers, the State University of New Jersey, 1999–present.

SELECTED HONORS AND AWARDS

- IFAAMAS Influential Paper Award, 2017, recognizing Cassell et al, Animated Conversation, SIGGRAPH 1994.
- Prize for Outstanding Dissertation in Language, Logic and Computation. 1999. (Now known as the Beth Prize.) One of two awards made by FoLLI, the European Association for Logic, Language and Information.

SELECTED EXTERNAL SUPPORT

- Design Justice AI. CHCI-Mellon Global Humanities Institute. Lauren Goodlad and Colin Jaeger, PIs; Matthew Stone, Katherine Bode, Vukosi Marivate, and Michael P. Lynch Co-PIs. Andrew W. Mellon Foundation. $220,000. January 2023–September 2024.
- Do-it-with-bot. Amazon Alexa Prize Taskbot 2 Competition. Matthew Stone, PI; Yongfeng Zhang co-PI. Competitive corporate gift award from Amazon. $182,500. December 2022–June 2024.
- Lexicalized Multi-Modal Inference for Natural Grounding (LEMMING). Chris Geib, PI; Matthew Stone, Co-PI. Air Force (AF) Small Business Technology Transfer (STTR) AF21.B T002 Phase I. Rutgers share $43,701. January 2022–May 2022.
- RETTL: The Role of Agency and Interactivity in Embodied Conversational Agents to Support Teacher Training in High Poverty Schools. Mubbasir Kapadia PI; Elisa Shernoff and Matthew Stone Co-PI. NSF IIS-2119265. $849,935. September 2021–August 2024.

- NRT-FW-HTF: Socially Cognizant Robotics for a Technology Enhanced Society (SOCRATES). Kristin Dana, PI. My role: Senior Personnel. NSF DGE-2021628. $3,000,000. September 2020–August, 2025.
- Inclusive Computing at Rutgers. Matthew Stone, PI; Ana Paula Centeno (Co-PI); Margaret Cozzens (Co-PI). Khoury Center for Inclusive Computing, Implementation Grant. $515,000. March 2020–February 2023.
- HDR TRIPODS: Data Science Principles of the Human-Machine Convergence. Fred Roberts, PI; Konstantin Mischaikow (Co-PI), Cun-Hui Zhang (Co-PI); Matthew Stone (Co-PI); Kostas Bekris (Co-PI). NSF CCF-1934924. $1,499,999. September 2019–August, 2023.
- RI: Small: Bayesian Modeling of Situated Communicative Goals. Matthew Stone, PI; Pernille Hemmer, co-PI. NSF IIS-1526723, $499,945. September, 2015–August, 2019.
- REU SITE: Perceptual science and technology. Matthew Stone, PI. NSF CNS-1062735, $303,675. March, 2011–February, 2015.
- IGERT: Interdisciplinary training in perceptual science. Eileen Kowler, PI; Matthew Stone, Margaret Shiffrar, Jacob Feldman, Dimitris Metaxas, co-PIs. NSF DGE-0549115, $2,881,486. July, 2006–June, 2015.

SELECTED PROFESSIONAL ACTIVITIES

- Senior Area Chair, *COLING*, 2022. The 29th International Conference on Computational Linguistics.
- Program Co-Chair and Local Organizer, *SemDial*, 2016. 20th Workshop on the Semantics and Pragmatics of Dialogue.
- Organizing Committee, *NASSLLI*, 2016. North American Summer School on Logic, Language and Information.
- Program Co-Chair, *IWCS*, 2015. 11th International Conference on Computational Semantics.
- General Co-Chair, *SIGDIAL*, 2014. The 15th annual SIGdial Meeting on Discourse and Dialogue.
- Editorial board, *Artificial Intelligence*, 2007–2014.
- Editorial board, *Computational Linguistics*, 2006–2008.
- Program Co-Chair, *NAACL HLT: North American Chapter of the Association for Computational Linguistics Human Language Technology Conference*, 2007.

RECENT PRESENTATIONS

- Achieving Common Ground in Multi-Modal Dialogue.
  Matthew Stone and Malihe Alikhani.
  Tutorial, *Association for Computational Linguistics* Annual Meeting.
  Online meeting originally planned for Seattle, WA, July 2020.
- Some Negative Results in Computational Pragmatics
  Matthew Stone.
  Workshop *Computational Models of Language Generation and Processing in Pragmatics.*
  Ruhr Universität Bochum, September 2018.
- Convention and Communication
  Ernie Lepore and Matthew Stone.
  Workshop *Dialogue Between Language Philosophy and Information Philosophy*
  Shanghai University, December 2017.
  Conference *Is there any such thing as a language: 30 years after "A Nice Derangement"*
  University of South Florida, Tampa, November 2016.

- Explicit Indirection.
  Ernest Lepore and Matthew Stone.
  Workshop on Linguistics and Philosophy, Interuniversity center, Dubrovnik Croatia, September 2015. Gothenburg University, October 2016.
- Imagination and Convention.
  Ernest Lepore and Matthew Stone.
  University of Oxford, with comments from John Hawthorne and Robyn Carston, May 2015.
  University of London, with comments from Stephen Neale and John Collins, May 2015.
- The Semantics–pragmatics Interface (Imagination and Convention).
  Ernest Lepore and Matthew Stone.
  Responses by Jeff Pelletier and Kent Bach. *Pacific Division of the American Philosophical Association*, Vancouver, British Columbia, April 2015.
- Imagination and Convention (Author meets Critics).
  Ernest Lepore and Matthew Stone.
  Responses by Zoltan Szabo and Anne Bezuidenhout.
  Eastern Division of the American Philosophical Association, Philadelphia, PA, December 2014.
- Logic and Probability in Grounded Semantics.
  Keynote, *Logic and Engineering of Natural Language Semantics 11 (LENLS11)*, Tokyo–Kanagawa, Japan, November 2014.

SELECTED DEPARTMENTAL AND UNIVERSITY SERVICE

UNIVERSITY
- Academic Master Plan Steering Committee, Rutgers–New Brunswick, 2021–2022.
- Executive Committee, School of Arts and Sciences, 2021–2023.
- Core Curriculum Committee, School of Arts and Sciences, 2011–2016.
- Mathematics and Physical Sciences Area Committee, Graduate School–New Brunswick, 2011–2014.
- University Senator, Graduate School—New Brunswick, 2007–2009.

COMPUTER SCIENCE
- Department Chair, 2020–2023.
- Interim Department Chair, 2019–2020.
- Graduate Program Director, 2017–2019.
- Honors Undergraduate Ad Hoc Committee Chair, 2007–2018.

SELECTED SUPERVISION

COMPUTER SCIENCE
- Supervisor, Baber Khalid. PhD student, Computer Science, PhD Awarded October 2023.
  Title: *Coherence as a Key Ingredient to Learn Effective Communication Strategies.*
  Current position: Research Scientist, Amazon.
- Supervisor, Malihe Alikhani. PhD student, Computer Science, PhD Awarded October 2020.
  Title: *Multimodal Communication: Commonsense, Grounding and Computation.*
  Current position: Assistant Professor, Department of Computer Science, Northeastern University.
  Research supported under IIS-1526723.

- Supervisor, Michael Wunder. PhD Student, Computer Science, PhD Awarded October 2013.
  Title: *Transferable Strategic Meta-reasoning Models*.
  Current position: Researcher, Google NYC.
  Research supported under HSD-0624191.
- Supervisor, David DeVault. PhD student, Computer Science, PhD Awarded October 2008.
  Title: *Contribution Tracking: Participating in Task-oriented Dialogue Under Uncertainty*.
  Current position: Adjunct Research Professor, Institute for Creative Technologies, USC.
  Research supported under HLC-0308121 and HSD-0624191.

LINGUISTICS

- Outside co-promoter, Gianluca Giorgolo
  PhD University of Utrecht (NL), PhD Awarded September 2010.
  Title: *Space and Time in our Hands*.
  Other co-promoters: Michael Moortgat and Frans Verstraten.

COMMUNICATION, INFORMATION AND LIBRARY STUDIES

- Dissertation committee: Insuk Oh, PhD Awarded October 2006.
  Title: *Modeling Believable Human-computer Interaction with an Embodied Conversational Agent: Face-to-face Communication of Uncertainty*
  Advisor: Mark Frank.
  Current Position: Instructor, ChungAng University (Seoul).
  Research supported under HLC-0308121.

PHILOSOPHY

- Dissertation committee: Gabriel Greenberg, PhD Awarded October 2011
  Title: *The Semiotic Spectrum*
  Advisor: Jason Stanley.
  Current Position: Associate Professor, UCLA.
  Research supported under DGE-0549115.

SELECTED TEACHING

- 01:185:410, Language and Cognition
  (Fall 2017, enrolment 38).
- 01:185:415, Advanced topics in Cognitive Science—Language: Language as Data.
  (Fall 2019, enrolment 28).
- 01:198:440, Introduction to Artificial Intelligence
  (Fall 2015, enrolment 71; Fall 2013, enrolment 50; Fall 2012, enrolment 25; Fall 2011, entroment 30; Fall 2010, enrolment 20).
- 16:198:503, Computational Thinking
  (Fall 2013, enrolment 11, Fall 2011, enrolment 9).
- 16:198:504, Computational Modeling
  (Spring 2013, enrolment 3).
- 16:198:533, Natural Language Processing
  (Spring 2019, enrolment 38; Spring 2018, enrolment 52; Spring 2017, enrolment 31; Spring 2015, enrolment 28).

BOOK

[1] *Imagination and Convention: Distinguishing Grammar and Inference in Language.*
Ernie Lepore and Matthew Stone,
Hardcover: December 2014 (UK), February 2015 (US).
Paperback: February 2017.
Oxford University Press.
viii + 292pp.

JOURNAL ARTICLES

[1] Image–text coherence and its implications for multimodal AI.
Malihe Alikhani, Baber Khalid, and Matthew Stone,
in *Frontiers in Artificial Intelligence*,
6, 2023.

[2] AI2D-RST: A multimodal corpus of 1000 primary school science diagrams.
Tuomo Hiippala, Malihe Alikhani, Jonas Haverinen, Timo Kalliokoski, Evanfiya Logacheva, Serafina Orekhova, Aino Tuomainen, Matthew Stone, and JohnA. Bateman,
in *Language Resources and Evaluation*,
55(3), 2021, pages 661–688.

[3] Pointing things out: in defense of attention and coherence.
Una Stojnic, Matthew Stone and Ernie Lepore,
in *Linguistics and Philosophy*,
43(1), 2020, pages 139–148.

[4] Convention before communication.
Ernie Lepore and Matthew Stone,
in *Philosophical Perspectives*,
31(1), 2018, pages 245–265.

[5] Discourse and logical form: pronouns, attention and coherence.
Una Stojnic, Matthew Stone and Ernie Lepore,
in *Linguistics and Philosophy*,
40(5), 2017, pages 519–547.

[6] Problems and perspectives on the limits of pragmatics: Reply to critics.
Ernie Lepore and Matthew Stone,
in *Polish Journal of Philosophy*,
10(1), 2016, pages 117–126.

[7] Précis of Imagination and Convention.
Ernie Lepore and Matthew Stone,
in *Croatian Journal of Philosophy*,
16(2), 2016, pages 129–144.

[8] Semantics, Coherence, and Intentions: Reply to Carston, Collins and Hawthorne.
Ernie Lepore and Matthew Stone,
in *Mind and Language, multiple review of "Imagination and Convention"*,
31(5), 2016, pages 646–645.

[9] The breadth of semantics: reply to critics.
Ernie Lepore and Matthew Stone,
in *Inquiry, special issue on "Imagination and Convention"*,
59(1), 2016, pages 195–206.

[10] Meaning and demonstration.
Matthew Stone and Una Stojnic,
in *Review of Philosophy and Psychology, special issue on "Pictorial and Diagrammatic Representation"*,
6(1), 2015, pages 69–97.

[11] A Bayesian model of grounded color semantics.
Brian McMahan and Matthew Stone,
in *Transactions of the Association for Computational Linguistics*,
3, 2015, pages 103–115.

[12] Deixis (even without pointing).
Una Stojnic, Matthew Stone and Ernest Lepore,
in *Philosophical Perspectives*,
26(1), 2013, pages 502–525.

[13] Against metaphorical meaning.
Ernest Lepore and Matthew Stone,
in *Topoi*,
29(2), 2010, pages 165–180.

[14] Discourse coherence and gesture interpretation.
Alex Lascarides and Matthew Stone,
in *Gesture*,
9(2), 2009, pages 147–180.

[15] A formal semantic analysis of gesture.
Alex Lascarides and Matthew Stone,
in *Journal of Semantics*,
26(3), 2009, pages 393–449.

[16] Is semantics computational?.
Mark Steedman and Matthew Stone,
in *Theoretical Linguistics*,
32(1), 2006, pages 73–89.

[17] Disjunction and modular goal-directed proof search.
Matthew Stone,
in *ACM Transactions on Computational Logic*,
6(3), 2005, pages 539–577.

[18] Intention, interpretation and the computational structure of language.
Matthew Stone,
in *Cognitive Science*,
28(5), 2004, pages 781–809.

[19] Speaking with hands:
Creating animated conversational characters from recordings of human performance.
Matthew Stone, Doug DeCarlo, Insuk Oh, Christian Rodriguez, Adrian Stere, Alyssa Lees and Chris
Bregler,
in *ACM Transactions on Graphics (Special Issue for ACM SIGGRAPH 2004)*,
23(3), 2004, pages 506–513.

[20] Specifying and animating facial signals for discourse in embodied conversational agents.
Doug DeCarlo, Matthew Stone, Corey Revilla and Jennifer J. Venditti,
in *Computer Animation and Virtual Worlds*,
15(1), 2004, pages 27–38.

[21] Anaphora and discourse structure.
Bonnie Webber, Matthew Stone, Aravind Joshi and Alistair Knott,
in *Computational Linguistics*,
29(4), 2003, pages 545–588.

[22] Microplanning with communicative intentions: The SPUD system.
Matthew Stone, Christine Doran, Bonnie Webber, Tonia Bleam and Martha Palmer,
in *Computational Intelligence*,
19(4), 2003, pages 311–381.

[23] Towards a computational account of knowledge, action and inference in instructions.
Matthew Stone,
in *Journal of Language and Computation*,
1(2), 2000, pages 231–246.

[24] Representing scope in intuitionistic deductions (fundamental study).
Matthew Stone,
in *Theoretical Computer Science*,
211(1–2), 1999, pages 129–188.

CONFERENCE PAPERS

[25] An Integrated Architecture for Common Ground in Collaboration.
Christopher Geib, Denson George, Baber Khalid, Richard Magnotti and Matthew Stone,
in *The Tenth Annual Conference on Advances in Cognitive Systems*,
Arlington, Virginia, November 2022.

[26] Zero-shot Cross-Linguistic Learning of Event Semantics.
Malihe Alikhani, Thomas H Kober, Bashar Alhafni, Mert Inan, Shahab Raji, Yue Chen, Elizabeth
Kaye Nielsen, Mark Steedman, Matthew Stone,
in *15th International Natural Language Generation Conference*,
Waterville, Maine, July 2022.

[27] Cross-Modal Coherence for Text-to-Image Retrieval.
Malihe Alikhani, Fangda Han, Hareesh Ravi, Mubbasir Kapadia, Vladimir Pavlovic and Matthew
Stone,
in *Proceedings of the AAAI Conference on Artificial Intelligence*,
Vancouver, February 2022, pages 10427-10435.

[28] COSMic: A Coherence-Aware Generation Metric for Image Descriptions.
Mert Inan, Piyush Sharma, Baber Khalid, Radu Soricut, Matthew Stone and Malihe Alikhani,
in *Findings of the Association for Computational Linguistics: EMNLP 2021*,
Online, November 2021, pages 34193430.

[29] Combining Cognitive Modeling and Reinforcement Learning for Clarification in Dialogue.
Baber Khalid, Malihe Alikhani and Matthew Stone,
in *The 28th International Conference on Computational Linguistics, COLING 2020*,
Online, Dec 2020, pages 4417–4428.

[30] Aspectuality Across Genre: A Distributional Semantics Approach.
Thomas Kober, Malihe Alikhani, Matthew Stone and Mark Steedman,
in *The 28th International Conference on Computational Linguistics, COLING 2020*,
Online, Dec 2020, pages 4546–4562.

[31] Analyzing Speaker Strategy in Referential Communication.
Brian McMahan and Matthew Stone,
in *Proceedings of the 21th Annual Meeting of the Special Interest Group on Discourse and Dialogue, SIGdial 2020*,
Online, July 2020, pages 175–185.

[32] Cross-modal Coherence Modeling for Caption Generation.
Malihe Alikhani, Piyush Sharma, Shengjie Li, Radu Soricut and Matthew Stone,
in *Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics, ACL 2020*,
Online, July 2020, pages 6525–6535.

[33] That and There: Judging the Intent of Pointing Actions with Robotic Arms.
Malihe Alikhani, Baber Khalid, Rahul Shome, Chaitanya Mitash, Kostas E. Bekris and Matthew Stone,
in *The Thirty-Fourth AAAI Conference on Artificial Intelligence, AAAI 2020*,
New York, NY, Feb 2020, pages 10343–10351.

[34] CITE: A corpus of image-text discourse relations.
Malihe Alikhani, Sreyasi Nag Chowdhury, Gerard de Melo and Matthew Stone,
in *Proceedings of the 2019 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies, Volume 1 (Long and Short Papers)*,
Minneapolis, MN, Jun 2019, pages 570–575.

[35] Arrows are the verbs of diagrams.
Malihe Alikhani and Matthew Stone,
in *Proceedings of COLING 2018, the 27th International Conference on Computational Linguistics: Technical Papers*,
Santa Fe, NM, Aug 2018, pages 3552–3563.

[36] When is likely unlikely: Investigating the variability of vagueness.
Kimele Persaud, Brian McMahan, Malihe Alikhani, Kevin Pei, Pernille Hemmer and Matthew Stone,
in *Proceedings of the Cognitive Science Society Conference*,
London, UK, July 2017, pages 2876–2881.

[37] Syntactic realization with data-driven neural tree grammars.
Brian McMahan and Matthew Stone,
in *Proceedings of COLING 2016, the 26th International Conference on Computational Linguistics: Technical Papers*,
Osaka, Japan, December 2016, pages 224–235.

[38] Training an integrated sentence planner on user dialogue.
Brian McMahan and Matthew Stone,
in *Proceedings of the SIGDIAL 2013 Conference*,
Metz, France, August 2013, pages 31–40.

[39] Situated utterances and discourse relations.
Matthew Stone, Una Stojnic and Ernest Lepore,
in *IWCS: Tenth International Conference for Computational Semantics*,
Potsdam, Germany, March 2013, pages 390–396.

[40] Towards a flexible semantics: Colour terms in collaborative reference tasks.
Bert Baumgaertner, Raquel Fernandez and Matthew Stone,
in **SEM: The First Joint Conference on Lexical and Computational Semantics*,
Montreal, Canada, June 2012, pages 80–84.

[41] Visual explanations.
Doug DeCarlo and Matthew Stone,
in *NPAR 2010: Proceedings of the 8th International Symposium on Non-photorealistic Animation and Rendering*,
Annecy, FR, June 2010, pages 173–178.

[42] Abstraction of 2D shapes in terms of parts.
Xiaofeng Mi, Doug DeCarlo and Matthew Stone,
in *NPAR 2009: Proceedings of the 7th International Symposium on Non-photorealistic Animation and Rendering*,
Los Angeles, CA, August 2009, pages 15–24.

[43] Learning to interpret utterances from dialogue history.
David DeVault and Matthew Stone,
in *EACL 2009: The 12th Conference of the European Chapter of the Association for Computational Linguistics*,
Athens, Greece, April 2009, pages 184–192.

[44] Understanding RUTH: Creating believable behaviors for a virtual human under uncertainty.
Insuk Oh and Matthew Stone,
in *First International Conference on Digital Human Modeling, ICDHM 2007, Held as Part of HCI International 2007 (LNCS 4561)*,
Beijing, China, July 2007.

[45] Sentence generation as a planning problem.
Alexander Koller and Matthew Stone,
in *Proceedings of the 45th Annual Meeting of the Association for Computational Linguistics*,
Prague, Czech Republic, June 2007, pages 336–343.

[46] Societal grounding is essential to meaningful language use.
David DeVault, Iris Oved and Matthew Stone,
in *Proceedings of the 21st National Conference on Artificial Intelligence (AAAI)*,
Boston, Massachusetts, July 2006, pages 747–754.

[47] An information-state approach to collaborative reference.
David DeVault, Natalia Kariaeva, Anubha Kothari, Iris Oved, and Matthew Stone,
in *Proceedings of the ACL Interactive Poster and Demonstration Sessions*,
Ann Arbor, Michigan, June 2005, pages 1–4.

[48] Interpreting vague utterances in context.
David DeVault and Matthew Stone,
in *Proceedings of the 20th International Conference on Computational Linguistics (COLING)*,
Geneva, Switzerland, August 2004, pages 1247–1253.

[49] Crafting the illusion of meaning: Template-based generation of embodied conversational behavior.
Matthew Stone and Doug DeCarlo,
in *Computer Animation and Social Agents (CASA) 2003*,
Piscataway, NJ, May 2003, pages 11–16.

[50] Making discourse visible: Coding and animating conversational facial displays.
Doug DeCarlo, Matthew Stone, Corey Revilla and Jennifer Venditti,
in *Computer Animation (CA) 2002*,
Geneva, Switzerland, June 2002, pages 11–16.

[51] Discourse constraints on the interpretation of nuclear-accented pronouns.
Jennifer J. Venditti, Matthew Stone, Preetham Nanda and Paul Tepper,
in *First International Conference on Speech Prosody*,
Aix-en-Provence, France, April 2002, pages 675–678.

[52] Coordination and context-dependence in the generation of embodied conversation.
Justine Cassell, Matthew Stone and Hao Yan,
in *Proceedings of the First International Conference on Natural Language Generation (INLG)*,
Mitzpe Ramon, Israel, June 2000, pages 171–178.

[53] On identifying sets.
Matthew Stone,
in *Proceedings of the First International Conference on Natural Language Generation (INLG)*,
Mitzpe Ramon, Israel, June 2000, pages 116–123.

[54] Discourse relations: A structural and presuppositional account using lexicalized TAG.
Bonnie Webber, Alistair Knott, Matthew Stone and Aravind Joshi,
in *37th Annual Meeting of the Association for Computational Linguistics (ACL)*,
College Park, MD, June 1999, pages 41–48.

[55] An anthropometric face model using variational techniques.
Douglas DeCarlo, Dimitris Metaxas and Matthew Stone,
in *Proceedings of ACM SIGGRAPH 1998*,
Orlando, FL, August 1998, pages 67–74.

[56] Abductive planning with sensing.
Matthew Stone,
in *Proceedings of the Fifteenth National Conference on Artificial Intelligence (AAAI)*,
Madison, WI, August 1998, pages 631–636.

[57] Sentence planning as description using tree adjoining grammar.
Matthew Stone and Christine Doran,
in *35th Meeting of Association for Computational Linguistics (ACL)*,
Madrid, Spain, July 1997, pages 198–205.

[58] Can you predict responses to Y/N questions? Yes, No, and Stuff.
D. Rossen-Knill, B. A. Hockey, B. Spejewski, M. Stone, and S. Isard,
in *Proceedings of EUROSPEECH*,
Rhodes, Greece, 1997, pages 2267–2270 (vol 4).

[59] Animated conversation:
Rule-based generation of facial expression, gesture and spoken intonation for multiple conversational agents.
Justine Cassell, Catherine Pelachaud, Norm Badler, Mark Steedman,
Brett Achorn, Tripp Becket, Brett Douville, Scott Prevost, and Matthew Stone,
in *Proceedings of ACM SIGGRAPH 1994*,
Orlando, FL, August 1994, pages 413–420.

[60] Modeling the interaction between speech and gesture.
Justine Cassell, Matthew Stone, Brett Douville, Scott Prevost,
Brett Achorn, Mark Steedman, Norm Badler, and Catherine Pelachaud,
in *Proceedings of the Cognitive Science Society*,
Atlanta, GA, August 1994, pages 153–158.

[61] Or and Anaphora.
Matthew Stone,
in *Semantics and Linguistic Theory 2*,
Columbus, OH, May 1992, pages 367-385.

Book Chapters

[62] Issues for meaning: Conventions, intentions and coherence.
Ernie Lepore and Matthew Stone,
in *Beyond Semantics and Pragmatics*,
edited by Gerhard Preyer,
Oxford University Press, 2018, pages 305–318.

[63] Slurs and tone.
Ernie Lepore and Matthew Stone,
in *Eva Picardi on Language, Analysis and History*,
edited by Annalisa Coliva, Paolo Leonardi and Sebastiano Moruzzi,
Palgrave Macmillan, 2018, pages 205–218.

[64] Distinguishing ambiguity from underspecificity.
Una Stojnic, Matthew Stone and Ernie Lepore,
in *An Atlas of Meaning, Papers on Pragmatics, Semantics, and Truth*,
edited by Laurence Horn and Ken Turner,
Brill, 2018, pages 149–168.

[65] Pejorative tone.
Ernie Lepore and Matthew Stone,
in *Bad Words*,
edited by David Sosa,
Oxford University Press, 2018, pages 132–154.

[66] Explicit indirection.
Ernie Lepore and Matthew Stone,
in *New Work on Speech Acts*,
edited by Daniel Fogal, Daniel Harris and Matthew Harding Moss,
Oxford University Press, 2018, pages 165–184.

[67] Eco, metaphor, and interpretation: A cure for the common code.
Ernie Lepore and Matthew Stone,
in *The Philosophy of Umberto Eco*,
edited by Sara Beardsworth and Randall E. Auxier,
Open Court Publishers, 2017, pages 363–368.

[68] Semantics and computation.
Matthew Stone,
in *Cambridge Handbook of Formal Semantics*,
edited by Maria Aloni and Paul Dekker,
Cambridge University Press, 2016, pages 775–800.

[69] The poetic imagination.
Ernest Lepore and Matthew Stone,
in *The Routledge Companion to the Philosophy of Literature*,
edited by Noel Carroll and John Gibson,
Routledge, 2016, pages 323–333.

[70] David Lewis on convention.
Ernie Lepore and Matthew Stone,
in *A Companion to David Lewis*,
edited by Barry Loewer and Jonathan Schaffer,
Wiley–Blackwell, 2015, pages 315–327.

[71] Pursuing and demonstrating understanding in dialogue.
David DeVault and Matthew Stone,
in *Natural Language Generation in Interactive Systems*,
edited by Srinivas Bangalore and Amanda Stent,
Cambridge University Press, 2014, pages 34–62.

[72] Economy in embodied utterances.
Matthew Stone,
in *Brevity*,
edited by Laurence Goldstein,
Oxford University Press, 2013, pages 143–159.

[73] Modeling facial expression of uncertainty in conversational animation.
Matthew Stone and Insuk Oh,
in *Modeling Communication with Robots and Virtual Humans*,
edited by Ipke Wachsmuth and Günter Knoblich,
Springer, Berlin, 2008, pages 57–76.

[74] Logic and semantic analysis.
Ernest Lepore and Matthew Stone,
in *Handbook of the Philosophy of Logic: Handbook of the Philosophy of Science, volume 5*,
edited by Dale Jacquette,
Elsevier, Amsterdam, 2007, pages 173–204.

[75] Communicative intentions and conversational processes in human-human and human-computer dialogue.
Matthew Stone,
in *Approaches to Studying World-situated Language Use:*
Bridging the Language-as-Product and Language-as-Action Traditions,
edited by John Trueswell and Michael Tanenhaus,
MIT Press, Cambridge, MA, 2004, pages 39–70.

[76] Knowledge representation for language engineering.
Matthew Stone,
in *A Handbook for Language Engineers*,
edited by Ali Farghaly,
CSLI Publications, Stanford, CA, 2003, pages 299–365.

[77] Dynamic discourse referents for tense and modals.
Matthew Stone and Daniel Hardt,
in *Computing Meaning Volume I*,
edited by Harry Bunt and Reinhard Muskens,
Kluwer, 1999, pages 302–321.

[78] Synthesizing cooperative conversation.
Catherine Pelachaud, Justine Cassell, Norman Badler, Mark Steedman, Scott Prevost and Matthew Stone,
in *Multimodal Human-Computer Communication: Systems, Techniques and Experiments*,
edited by Harry Bunt, Robbert-Jan Beun and Tijn Borghuis,
Springer, 1998, pages 68–88.

REVIEWS

[79] Technical perspective: Visualization, understanding and design
(for paper: Illustrating how mechanical assemblies work
by Mitra, Yang, Yan, Li and Agrawala).
Doug DeCarlo and Matthew Stone,
in *Communications of the ACM*,
56(1), 2013, pages 105.

[80] Review of Jan van Kuppevelt and Ronnie W. Smith, eds.,
Current and New Directions in Discourse and Dialogue.
Matthew Stone,
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