

CURRICULUM VITAE

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EDUCATION

- 1966 M.A. with Honors in Philosophy, Class II, Division I, University of Edinburgh
equivalent to U.S. Bachelor's Degree with honors)
- 1972 Ph.D., Computer Science, University of London, Imperial College of Science
and Technology, *Stereoscopy as a Technique for Three-Dimensional Visualization in
Interactive Computer Graphics*

ACADEMIC APPOINTMENTS

- Current Professor of Psychology, Education, and Computer Science, Northwestern University,
Evanston, Illinois
Director, Program in Computational Cognition for Social Systems, Institute for High
Performance Computing, Singapore Agency for Science Technology and Research
- 1966-1967 Research Associate, Department of Machine Intelligence and Perception,
University of Edinburgh, Scotland
- 1967-1968 Lecturer in Philosophy (U.S. Assistant Professor), University of Sierra Leone
- 1968-1971 Research Associate, Centre for Computing and Automation, Imperial
College of Science and Technology, University of London, England
- 1971-1973 ICL Research Fellow in Computing in Education, University of Surrey, England
- 1971 Visiting Lecturer in Philosophy, Imperial College of Science and Technology,
University of London, England
- 1971 Visiting Lecturer in Artificial Intelligence, University of Essex, England
- 1973-1975 Visiting Assistant Professor of Educational Psychology, University of Illinois at
Urbana-Champaign
- 1975-1977 Associate Professor of Educational Psychology in the Bureau of Educational
Research, University of Illinois
- Fall 1976 Guest Lecturer, Psychology Department, The Free University, Amsterdam, Holland
- 1977-1978 Associate Director, Center for the Study of Reading, University of Illinois
- 1979 Associate Professor of Psychology, University of Illinois
- 1980 Visiting Fellow, Department of Psychology, Princeton University
- 1981-1989 Professor of Psychology and of Educational Psychology, University of Illinois
- 1987-1988 Visiting Scientist, Medical Research Council, Applied Psychology Unit, Cambridge, England

- 1989 Professor of Education and of Psychology, and Faculty Fellow in the Institute for the Learning Sciences, Northwestern University
- 2000-05 Co-Director, Center for Cognition, Emotion, and Emotion Disorders, Northwestern University
- 2008 Visiting Professor of Psychology and Computer Science, The Caesarea Edmond Benjamin de Rothschild Foundation Institute for Interdisciplinary Applications of Computer Science, University of Haifa, Israel.
- 2008- Visiting Investigator Program, Computational Cognition for Social Systems, Institute of Performance Computing, Singapore Agency for Science, Technology and Research

CONSULTING, EDITING, REVIEWING, ETC.

Consulting

- 1970 Consultant, Computing Science Committee, (British) Science Research Council
- 1976- Field Reviewer and Site Consultant for Canada Council
- 1977-78 National Assessment of Educational Progress, Reading Advisory Committee
- 1978 Consultant for Galludet College, Washington D.C.
- 1978 Consultant for Northwest Regional Educational Laboratory
- 1979 Consultant to Kalispell Public School District, Kalispell, Montana
- 1980 Consultant to CEMREL, Inc., St. Louis, Missouri
- 1981 Consultant to Maryland Board of Education
- 1981-85 Consultant to Teachers and Writers Collaborative, New York
- 1984 Consultant to the Committee on National Statistics, National Academy of Sciences.
- 1985-87 Consultant to Computing Research Laboratory, New Mexico State University, Las Cruces
- 1985 Consultant to Microelectronics and Computer Technology Corp. Austin, Texas.
- 1988 Consultant to Klein Associates, Yellow Springs, Ohio
- 1990-92 Advisory Panel for Research Training Groups, Directorate for Biological, Behavioral and Social Sciences, National Science Foundation
- 1995-2001 Consultant, Learning Sciences Corporation, (later, Cognitive Arts), Chicago, Illinois
- 1999 Consultant to Institute for Design, Illinois Institute of Technology, Chicago, IL
- 2000- Consultant to Sensory Logic Inc., San Diego, CA
- 2002-2004 Advisory Board, European Union project “Multisensorial and Multilingual communication”
- 2003 - Scientific Advisory Board, University of Haifa (Israel)-ITC-IRST (Italy) Collaboration
- 2003 - Consultant to Tigon Software Ltd., Haifa, Israel
- 2004 Consulting reviewer for HUMAINE (European network of excellence on research on HUMAN-MACHINE INTERACTION and Emotions)
- 2004- Board of Governors, University of Haifa, Israel
- 2005- Affective Computing and Intelligent Interaction (ACII) International Advisory Committee
- 2006-2008 Cognitive Systems International Program Coordinator, Science and Engineering Research Council, A*STAR–Agency for Science, Technology and Research, Singapore
- 2008- Member, IEEE “Systems, Man, and Cybernetics Society” Technical Committee on Cognitive Computing
- 2009- Scientific Advisory Board for Italian-Israeli collaborative project: Intelligent Technologies for Cultural (museum) Visits and Mobile Education.

Editorial

- 1972-1973 Co-Editor of AISB (equivalent to American SIGART - Special Interest Group in Artificial Intelligence)
- 1973-1976 Correspondent on American Higher Education for the Higher Education

1982- Supplement of the London Times
Series Editor for Lawrence Erlbaum Associates (with D. A. Norman):
Tutorial Essays in Cognitive Science, and Monographs in Cognitive Science.

Editorial Boards (past and present)

Cognition & Emotion; Cognitiva; Computational Intelligence; Discourse Processes; Emotion Review; Instructional Science; Israeli Journal of Humor Research; Journal of the Learning Sciences; Metaphor and Symbol.

Reviewing

Administrative Science Quarterly; American Journal of Psychology; The Behavioral and Brain Sciences; Child Development; Cognitive Psychology; Cognition; Cognition & Emotion; Cognitive Science; Computational Intelligence; Contemporary Psychology; Developmental Psychology; Discourse Processes; Emotion; Journal of Abnormal Psychology; Journal of the ACM; Journal of Computational Linguistics; Journal of Educational Psychology; Emotion; Journal of Experimental Child Psychology; Journal of Experimental Psychology: General; Journal of Experimental Psychology: Learning, Memory and Cognition; Journal of General Psychology; Journal of Memory and Language; Journal of Personality and Social Psychology; Human Development; Memory and Cognition; Psychological Review; Reading Research Quarterly; Research in the Teaching of English; Review of Educational Research; Science; Social Cognition. National Institute for Education; National Science Foundation; Israel Science Foundation; Bi-National Science Foundation; Social Science and Humanities Research Council of Canada; Blackwells; Cambridge University Press; Oxford University Press; MIT Press; Yale University Press; Lawrence Erlbaum Associates.

Conferences and Workshops

1978 Organizing committee, TINLAP-2 (Theoretical Issues in Natural Language Processing), University of Illinois, Urbana, Illinois (funded by AAI, ACL, ACM, and NSF)
1979 General chair, Interdisciplinary Conference on Metaphor and Thought, University of Illinois, Urbana, Illinois (funded by NIE)
1986 Organizing committee, Conference on Theoretical and Logical Foundations of Artificial Intelligence, New Mexico State University, Las Cruces, New Mexico (funded by AAI)
1986 Organizing committee, Workshop on Similarity and Analogical Reasoning, University of Illinois, Urbana, Illinois (funded by ARI)
1987 General chair, TINLAP-3 (Theoretical Issues in Natural Language Processing), New Mexico State University, Las Cruces, New Mexico (funded by AAI, ACL, ACM, and NSF)
1989-90 US member of organizing committee, NATO workshop on Computational theories of communication and their applications, Trentino, Italy
1995-96 Program Committee, Second International Conference on the Learning Sciences, Evanston, Illinois.
1996 Panel Discussant on Predicting the Escalation and Reduction of Partner Violence in Early Marriage. Eighteenth Annual Family Therapy Conference, Evanston, Illinois.
1997-98 Organizing committee, AAI 1998 Fall Symposium "Emotional and Intelligent: The Tangled Knot of Cognition," Orlando, Florida.
2000-01 Organizing committee, AAI 2001 Fall Symposium "Emotional and Intelligent II: The Knot of Social Cognition," Cape Cod, MA
2001-02 Program Committee, Workshop on Computational Humor, IRST, Trento, Italy

- 2001-02 Program Committee, eCTRL Workshop on User Modelling and Decision Making in Travel and Tourism Emergent Systems, IRST, Trento, Italy
- 2002-03 Special Track Program Committee, FLAIRS (Florida Artificial Intelligence Research Society)
- 2003-04 Program Committee: Third International Symposium on Affective Computational Entities (ACE 2004), Vienna, April, 2004
- 2003-04 Program Committee: Empathic Agents, Autonomous Agents and Multi-Agent Systems (AAMAS 2004), New York, July, 2004
- 2004-05 Program Co-Chair: 1st International Conference on Affective Computing and Intelligent Interaction (ACII2005). October, 2005, Beijing, China
- 2007 Program Committee Chair: 2nd International Conference on Affective Computing and Intelligent Interaction (ACII2007). September, 2007, Lisbon, Portugal
- 2009 CALC 2009 Program Committee
EPIA 2009 Emotion Track Program Committee

AWARDS AND DISTINCTIONS

- 1971 Paper entitled *A System for Stereo Viewing* selected by the British Computer Society as one of the two best Computer Science papers of the year
- 1974 Undergraduate Instructional Award, University of Illinois
- 1976-81 National Academy of Education, Spencer Fellowship
- 1980-81 James McKeen Cattell Sabbatical Award
- 1982 Outstanding Teacher of the Year Award, Department of Educational Psychology University of Illinois
- 1988 Fellow, American Psychological Association
- 1989 Charter Fellow, American Psychological Society
- 2003-04 Fulbright Senior Specialist Award

PUBLICATIONS

Books

- Michie, D., Ortony, A., & Burstall, R. M. (1968). *Computer programming for schools: First steps in Algol*. Edinburgh: Oliver and Boyd.
- A. Ortony (Ed.). (1979). *Metaphor and thought*. New York: Cambridge University Press.
- Ortony, A., Clore, G. L. & Collins, A. (1988). *The cognitive structure of emotions*. New York: Cambridge University Press. (Also available in Spanish translation, 1996)
- S. Vosniadou & A. Ortony (Eds.). (1989). *Similarity and analogical reasoning*. New York: Cambridge University Press.
- W. Kessen, A. Ortony, & F. Craik (Eds.) (1991). *Memories, thoughts, and emotions: Essays in honor of George Mandler*. Hillsdale, NJ: Erlbaum.
- A. Ortony, J. Slack, & O. Stock (Eds.). (1992). *Communication from an Artificial Intelligence perspective: Theoretical and applied issues*. Berlin: Springer-Verlag.
- A. Ortony (Ed.). (1993). *Metaphor and thought (2nd ed)*. New York: Cambridge University Press. (Also available in Arabic translation, 2010)

Papers, Chapters, etc.

- Longuet-Higgins, H. C., & Ortony, A. (1968). The adaptive memorization of sequences. In D. Michie (Ed.). *Machine Intelligence 3*. Edinburgh, Scotland: Edinburgh University Press.
- Ortony, A. (1970). The monkey's paw understanding. *New Scientist*, 8, 82-84.

- Ortony, A. (1971). A system for stereo viewing. *Computer Journal*, 14, 140-144. Reprinted in *Proceedings of IEE conference on displays*, IEE Conference Publication No. 80, 1971, and in *The best computer papers of 1971*. Princeton, NJ: Auerbach Publishers, Inc., 1972.
- Ortony, A. (1971). Interactive stereographics In *Proceedings of IEE conference on displays*. IEE Conference Publication No. 80.
- Ortony, A. (1975). Why metaphors are necessary and not just nice. *Educational Theory*, 25, 45-53. Reprinted in M. J. Ganon, (Ed.) *Cultural metaphors: Readings, research translations, and commentary*. Thousand Oaks, CA.: Sage Publications.
- Anderson, R. C., & Ortony, A. (1975). On putting apples into bottles: A problem of polysemy. *Cognitive Psychology*, 7, 167-180.
- Ortony, A. (1975). Three-dimensional television. *Educational Technology*, 15, 24-27.
- Trollip, S., & Ortony, A. (1975). Real-time simulation in computer-assisted instruction. In *Proceedings of the 1975 international conference on cybernetics and society*. IEEE.
- Ortony, A. (1975). How episodic is semantic memory? In *Theoretical issues in natural language processing: An interdisciplinary workshop in computational linguistics, psychology, linguistics, and artificial intelligence*. Cambridge, MA.
- Ortony, A. (1975). Language isn't for people: On applying theoretical linguistics to practical problems. *Review of Educational Research*, 45, 485-504.
- Ortony, A. (1975). Review of Human associative memory by J. R. Anderson and G. H. Bower. *Journal of Educational Research*, 68, 396-401.
- Ortony, A. (1976). On the nature and value of metaphor: A reply to my critics. *Educational Theory*, 26, 395-398.
- Half, H. M., Ortony, A., & Anderson, R. C. (1976). A context-sensitive representation of word meanings. *Memory & Cognition*, 4, 378-383.
- Trollip, S., & Ortony, A. (1977). Real time simulation in computer assisted instruction. *Instructional Science*, 6, 135-149.
- Ortony, A., & Anderson, R. C. (1977). Definite descriptions and semantic memory. *Cognitive Science*, 1, 74-83.
- Rumelhart, D. E., & Ortony, A. (1977). The representation of knowledge in memory. In R. C. Anderson, R. J. Spiro & W. E. Montague (Eds.), *Schooling and the acquisition of knowledge*. Hillsdale, NJ: Erlbaum.
- Ortony, A. (1978). Remembering, understanding, and representation. *Cognitive Science*, 2, 53-69.
- Ortony, A. (1978). Some psycholinguistic constraints on the construction and interpretation of definite descriptions. In D. Waltz (Ed.), *Theoretical issues in natural language processing-2*. Urbana, IL: University of Illinois Coordinated Sciences Laboratory.
- Ortony, A., Reynolds, R. E. & Arter, J. A. (1978). Metaphor: Theoretical and empirical research. *Psychological Bulletin*, 85, 919-943.
- Ortony, A., Schallert, D. L., Reynolds, R. E. & Antos, S. J. (1978). Interpreting metaphors and idioms: Some effects of context on comprehension. *Journal of Verbal Learning and Verbal Behavior*, 17, 465-477.
- Ortony, A. (1978). Cognitive psychology, artificial intelligence, and cognitive simulation. *The Behavioral and Brain Sciences*, 1, 112.
- Ortony, A. (1979). Beyond literal similarity. *Psychological Review*, 86, 161-180. Translated and reprinted in C. Cacciari (Ed.) (1991), *Teorie della metafora*, Milan, Italy: Raffaello Cortina Editore.
- Ortony, A. & Wilks, Y. (1979). Cognitive science versus artificial intelligence. *AISB Quarterly*, 33, 20-21. (Also in SIGART Newsletter, [January, 1980], 69, 14-15).
- Ortony, A. (1979). Metaphor: A multidimensional problem. In A. Ortony (Ed.), *Metaphor and thought*. New York: Cambridge University Press.
- Ortony, A. (1979). The role of similarity in similes and metaphors. In A. Ortony (Ed.), *Metaphor and thought*. New York: Cambridge University Press. Also translated into Russian in N. D. Artunova, & M. A. Juriskaya (Eds). (1990), *Teoria Metaphori [Theory of metaphor]*. Moskow: Progress.

- Taylor, M. & Ortony, A. (1980). Rhetorical devices in Black English: Some psycholinguistic and educational observations. *The Quarterly Newsletter of the Laboratory of Comparative Human Cognition*, 2, 21-26.
- Ortony, A. (1980). Some psycholinguistic aspects of metaphor. In R. Honeck & R. Hoffman (Eds.), *Cognition and figurative language*. Hillsdale, NJ: Erlbaum.
- Reynolds, R. E. & Ortony, A. (1980). Some issues in the measurement of children's comprehension of metaphorical language. *Child Development*, 51, 1110-1119.
- Ortony, A. (1980). Metaphor. In R. J. Spiro, B. C. Bruce & W. F. Brewer (Eds.), *Theoretical issues in reading comprehension*. Hillsdale, NJ: Erlbaum.
- Ortony, A. & Clore, G. L. (1981). Disentangling the affective lexicon. In *Proceedings of the third annual conference of the Cognitive Science Society*. Berkeley, CA.
- Ortony, A. (1981). Understanding metaphors. In D. O'Hare (Ed.), *Psychology and the arts*. Hassocks, England: Harvester Press.
- Iran-Nejad, A., Ortony, A. & Rittenhouse, R. K. (1981). The comprehension of metaphorical uses of English by deaf children. *Journal of Speech and Hearing Research*, 24, 551-556.
- Vosniadou, S. & Ortony, A. (1983). The emergence of the literal-metaphorical-anomalous distinction in young children. *Child Development*, 54, 154-161.
- Vosniadou, S. & Ortony, A. (1983). The influence of analogy in children's acquisition of new information from text: An exploratory study. In J. Niles (Ed.), *Searches for meaning in reading/language processing and instruction*. Thirty-first yearbook of the National Reading Conference.
- Ortony, A., Turner, T. J. & Antos, S. J. (1983). A puzzle about affect for recognition memory. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 9, 725-729.
- Clore, G. L. & Ortony, A. (1983). *The cognitive causes of emotions*. Paper presented at the Nags Head conference on emotion, stress, and conflict. Nags Head, NC.
- Ortony, A. (1984). Understanding figurative language. In P. D. Pearson (Ed.) *Handbook of research in reading*. New York: Longman.
- Vosniadou, S., Ortony, A., Reynolds, R. E. & Wilson, P. T. (1984). Sources of difficulty in children's understanding of metaphorical language. *Child Development*, 55, 1588-1606. Reprinted in M. B. Franklin & S. S. Barten (Eds.) (1988), *Child Language: A Reader*. Oxford, England: Oxford University Press.
- Clore, G. L. & Ortony, A. (1984). Some issues for a cognitive theory of emotion. *Cahiers de Psychologie Cognitive*, 4, 53-57.
- Iran-Nejad, A. & Ortony, A. (1984). A biofunctional model of distributed mental content, mental structures, awareness, and attention. *Journal of Mind and Behavior*, 5, 171-210.
- Fainsilber, L., Miller, G. A. & Ortony, A. (1984). An electrophysiological study of metaphor comprehension. *Psychophysiology*, 21, 576.
- Ortony, A. (1985). Theoretical and methodological issues in the empirical study of metaphor. In C. Cooper (Ed.), *Researching response to literature and the teaching of literature*. Norwood, NJ: Ablex Publishing Corporation.
- Ortony, A., Turner, T. J. & Larson-Shapiro, N. (1985). Cultural and instructional influences on figurative language comprehension by inner city children. *Research in the Teaching of English*, 19, 25-36.
- Ortony, A., Vondruska, R. J., Foss, M. A. & Jones, L. E. (1985). Salience, similes, and the asymmetry of similarity. *Journal of Memory and Language*, 24, 569-594.
- Iran-Nejad, A. & Ortony, A. (1985). Quantitative and qualitative sources of affect: How unexpectedness and valence relate to pleasantness and preference. *Basic and Applied Social Psychology*, 6, 257-278.
- Vosniadou, S. & Ortony, A. (1986). Testing the metaphoric competence of the young child: paraphrase versus enactment. *Human Development*, 29, 223-244.
- Ortony, A. (1987). Some problems for models of metaphor comprehension and their developmental implications. *Communication and Cognition*, 19, 347-366.
- Ortony, A. (1987). Cognitive development and the language of mental states. *Discourse Processes*, 10, 193-199.
- Ortony, A., Clore, G. L. & Foss, M. A. (1987). The referential structure of the affective lexicon. *Cognitive Science*, 11, 341-364.

- Clore G. L., Ortony, A. & Foss, M. A. (1987). The psychological foundations of the affective lexicon. *Journal of Personality and Social Psychology*, 53, 751-766.
- Fainsilber, L. & Ortony, A. (1987). Metaphor production in the description of emotional states. *Metaphor and Symbolic Activity*, 2, 239-250.
- Ortony, A. & Partridge, D. (1987). Surprisingness and expectation failure: What's the difference? In *Proceedings of the tenth international joint conference on artificial intelligence*. Milan, Italy.
- Ortony, A. (1987). Is guilt an emotion? *Cognition & Emotion*, 1, 283-298.
- Ortony, A. (1987). Metaphor. In R. L. Gregory (Ed.), *Oxford companion to the mind*. Oxford: Oxford University Press.
- Ortony, A. (1988). Subjective importance and computational models of emotions. In V. Hamilton, G. H. Bower, & N. H. Frijda (Eds.), *Cognitive perspectives on emotion and motivation*. Dordrecht, Holland: Kluwer.
- Clore, G. L. & Ortony, A. (1988). Analyzing the affective lexicon. In V. Hamilton, G. H. Bower, & N. H. Frijda (Eds.), *Cognitive perspectives on emotion and motivation*. Dordrecht, Holland: Kluwer.
- Ortony, A. (1988). Are emotion metaphors conceptual or lexical? *Cognition & Emotion*, 2, 95-103.
- Medin, D. L. & Ortony, A. (1989). Psychological Essentialism. In S. Vosniadou & A. Ortony (Eds.), *Similarity and analogical reasoning*. New York: Cambridge University Press.
- Vosniadou, S., & Ortony, A. (1989). Similarity and analogical reasoning: A synthesis. In S. Vosniadou & A. Ortony (Eds.), *Similarity and analogical reasoning*. New York: Cambridge University Press.
- Ortony, A. & Clore, G. L. (1989). Emotions, moods, and conscious awareness. *Cognition & Emotion*, 3, 125-137.
- Ortony, A. & Radin, D. I. (1989). SAPIENS: Spreading Activation Processor for Information Encoded in Network Structures. In N. Sharkey (Ed.), *Models of cognition: A review of cognitive science*. Norwood, NJ: Ablex Publishing Corporation.
- Ortony, A. & Fainsilber, L. (1989). The role of metaphors in descriptions of emotions. In Y. Wilks (Ed.), *Theoretical issues in natural language processing*. Hillsdale, NJ: Erlbaum.
- O'Rorke, P., Cain, T. & Ortony, A. (1989). Learning to recognize plans involving affect. In *Proceedings of the sixth international workshop on machine learning*. San Mateo, CA: Morgan Kaufmann.
- Ortony, A. & Turner, T. J. (1990). What's basic about basic emotions? *Psychological Review*, 97, 315-331.
- Ortony, A. (1991). *The emotion-cognition connection*. Invited address presented at the annual meeting of the American Psychological Association, Boston, MA.
- Ortony, A. (1991). Value and emotion. In W. Kessen, A. Ortony, & F. Craik (Eds.) *Memories, thoughts, and emotions: Essays in honor of George Mandler*. Hillsdale, NJ: Erlbaum.
- Clore, G. L. & Ortony, A. (1991). What more is there to emotion concepts than prototypes? *Journal of Personality and Social Psychology*, 60, 48-50.
- Elliott, C., Ortony, A., & O'Rorke, P. (1991). Emotions in a social context: An AI simulation. In *Working notes of the American Association for Artificial Intelligence Fall Symposium: Knowledge and action at social and organizational levels*. Asilomar, CA.
- Frijda, N. H., Ortony, A., Sonnemans, J. & Clore, G. L. (1992). The complexity of intensity: Issues concerning the structure of emotion intensity. In M. Clark (Ed.), *Emotion: Review of personality and social psychology*, 13. Newbury Park, CA: Sage.
- Ortony, A. (1992). Emotion modeling. In S. Shapiro (Ed.), *Encyclopedia of artificial intelligence (2nd ed.)*. New York: Wiley.
- O'Rorke, P. & Ortony, A. (1992). Abductive explanation of emotions. In J. Kruschke (Ed.), *Proceedings of the fourteenth annual conference of the Cognitive Science Society*, Hillsdale, NJ.: Erlbaum.
- Ortony, A., Slack, J. & Stock, O. (1992). Cognitive science, artificial intelligence, and communication. In A. Ortony, J. Slack, & O. Stock (Eds.) *Communication from an Artificial Intelligence perspective: Theoretical and applied issues*. Berlin: Springer-Verlag.
- Elliott, C. & Ortony, A. (1992). Point of View: Reasoning about the concerns of others. In J. Kruschke (Ed.), *Proceedings of the fourteenth annual conference of the Cognitive Science Society*, Hillsdale, NJ: Erlbaum.

- Turner, T. J. & Ortony, A. (1992). Basic emotions: Can conflicting criteria converge? *Psychological Review*, 99, 566-571.
- Melton, R. J., Clore, G. L. & Ortony, A. (1993). *Cognitive determinants of emotional intensity*. Presented at the sixty-fifth annual meeting of the Midwestern Psychological Association, Chicago, IL.
- Stock, O., Slack, J. & Ortony, A. (1993). Building castles in the air: Some computational and theoretical issues in idiom comprehension. In C. Cacciari, & P. Tabossi (Eds.). *Idioms*. Hillsdale, NJ: Erlbaum.
- Clore, G. L., Ortony, A., Dienes, B. & Fujita, F. (1993). Where does anger dwell? In T. K. Srull & R. S. Wyer (Eds.). *Advances in social cognition, Vol. 5*. Hillsdale, NJ: Erlbaum.
- Monti, L., Gabrieli, J., Wilson, R., Cohen, N., Reminger, S., Vaidya, C. & Ortony, A. (1993). Text-specific implicit memory in patients with Alzheimer's disease and global amnesia: Evidence for implicit memory for new associations. *Society for Neuroscience Abstracts*.
- Ortony, A. (1993). Metaphor, language, and thought. In A. Ortony (Ed), *Metaphor and thought (2nd ed.)*. New York: Cambridge University Press.
- O'Rourke, P. & Ortony, A. (1994). Explaining emotions. *Cognitive Science*, 18, 283-323.
- Beeman, M., Ortony, A. & Monti, L. A. (1995). Emotion-cognition interactions. In M. A. Arbib (Ed.), *The handbook of brain theory and neural networks*. Cambridge, MA: MIT Press.
- Gilboa, E. & Ortony, A. (1998). Hours of happiness and days of despair: A study of valence asymmetry. In *Proceedings of the Annual Meeting of the International Society for Research on Emotions*, Würzburg, Germany, (pp. 165-169).
- Clore, G. L. & Ortony, A. (2000). Cognition in emotion: Always, sometimes, or never? In L. Nadel, R. Lane & G. L. Ahern (Eds). *The cognitive neuroscience of emotion*. New York: Oxford University Press.
- Gilboa, I., Gilboa-Schechtman, E., Halperson, U. & Ortony, A. (2000). *Affective packages: Emotions in consumer decisions*. In Proceedings of the Annual Meeting of the International Society for Research on Emotions, Quebec City, Canada.
- Ortony, A. (2002). *Knowledge and creativity in organizations: Are they more than metaphors?* Paper presented 5th International Congress on Adult Education: Modern Education and Creative Thought. Bolzano, Italy.
- Ortony, A. (2003). On making believable emotional agents believable. In R. Trappl, P. Petta & S. Payr (Eds.), *Emotions in humans and artifacts*. Cambridge, MA: MIT Press.
- Norman, D.A., Ortony, A., & Russell, D.M. (2003). Affect and machine design: Lessons for the development of autonomous machines. *IBM Systems Journal*, 42, 38-44.
- Ortony, A., Norman, D. A. & Revelle, W. (2005). Affect and proto-affect in effective functioning. In J.M. Fellous & M.A. Arbib, *Who needs emotions: The brain meets the robot*. New York: Oxford University Press.
- Norman, D. A. & Ortony, A. (2006). Designers and users: two perspectives on emotion and design. In S. Bagnara & G. Crampton Smith (Eds.), *Theories and practice in interaction design*. Mahwah, NJ: Erlbaum.
- Swarat, S., Ortony, A., & Daniels, B. (2006). *What makes a topic interesting: An exploration of the underlying dimensions of topic interest*. Paper presented at the American Educational Research Association Annual Meeting. San Francisco, California.
- Ortony, A., Revelle, W. & Zinbarg, R. (2007). Why Emotional Intelligence needs a fluid component. In G. Matthews, M. Zeidner & R. D. Roberts (Eds.). *The Science of Emotional Intelligence*. New York: Oxford University Press.
- Clore, G. L. & Ortony, A. (2008). Appraisal theories: How cognition shapes affect into emotion. In M. Lewis, J. M. Haviland-Jones, & L.F. Feldman Barrett (Eds). *Handbook of emotions (3rd Ed.)*. New York: Oxford University Press.
- Ortony, A. (2008). Affect and emotions in intelligent agents: Why and how? In J. Tao & T. Tan (Eds.), *Affective information processing*. Berlin: Springer.
- Ortony, A. & Rapp, D. N. (2009). Metaphor. In *Oxford Companion to emotion and the affective sciences*, New York: Oxford University Press.
- Yang, Y., See, Y.H.M. & Ortony, A. (2009). The role of strategic framing in agent-to-human negotiation: A conceptual perspective. Paper presented at the *Sixth International Workshop on Argumentation in*

- Multi-Agent Systems*, the Eighth International Conference on Autonomous Agents and Multi-agent Systems (AAMAS 2009), Budapest, Hungary, May 10-15.
- Quek, B.-K., Sakamoto, K. & Ortony, A. (2009), A data fusion approach to integrating representations of personality traits, values, beliefs and behavior descriptions. In L.S. Lopes, N. Lau, P. Mariano & L.M. Rocha (Eds.). *Progress in Artificial Intelligence*, Berlin: Springer.
- Fua, K., Horswill, I., Ortony, A. & Revelle, W. (2009). Reinforcement sensitivity theory and cognitive architectures. In *Technical Report of the Symposium on Biologically Inspired Cognitive Architectures*, AAAI Fall Symposium Series, Arlington, VA, November 5-7.
- Ortony, A. (2009). *Some residual challenges for Surprise Theory*. Paper presented at the meeting of the International Society for research on Emotion, Leuven, Belgium. August 2009
- Horswill, I., Fua, K., & Ortony, A. (2010). Conflict and hesitancy in virtual actors. In *Technical Report of the Symposium on It's all in the timing: Representing and reasoning about time in interactive behavior*, AAAI Spring Symposium Series, Stanford, CA, March, 2010.
- Fua, F., Revelle, W. & Ortony, A. (2010). *Modeling personality and individual differences: the approach-avoid-conflict triad*. Proceedings of the Annual Meeting of the Cognitive Science Society, Portland, OR.
- Yang Y., See, M., Ortony, A. & Tan, J. (2010). Subjective effectiveness in agent-to-human negotiation: A frame x personality account. In P. McBurney, S., Parsons, I. Rahwan, & N. Maudet (eds.), *Argumentation in Multi-Agent Systems: Seventh International Workshop*, LNAI 6057, Berlin: Springer-Verlag, pp. 134-149.
- Horswill, I., Fua, K., & Ortony, A. (2010). Conflict and hesitancy in virtual actors. In *Technical Report of the Symposium on "It's all in the timing: Representing and reasoning about time in interactive behavior,"* AAAI Spring Symposium Series, Stanford, CA.
- Pautler, D., Koenig, B., Quek, B.K. & A. Ortony. (2010). *Ascribing intentions to simple geometric figures in 2D animations*. Proceedings of the Annual meeting of the Society for Computers in Psychology (SCiP). St. Louis, MO.
- Swarat, S., Ortony, A. & Revelle, W. (under review). Activity Matters: Understanding Student Interest in School Science, *Journal of Research in Science Teaching*.
- See, Y.H.M., Tan, J., Yang, Y. & Ortony, A. (under review). *The impact of Gain-Loss frames and Affective-Cognitive Reliance on negotiation outcomes*.
- Yang, Y., Delicado, N., Falco, H., & Ortony, A. (under review). *Affective and economic consequences of volunteering issue priorities in online agent-human negotiations*.

COLLOQUIA AND OTHER INVITED PRESENTATIONS (post-1984)

- 1985 City University of New York, Department of Psychology
 State University of New York at Buffalo, Cognitive Science Program
 Computing Research Laboratory, New Mexico State University
 Annual Meeting of the American Psychological Association, Los Angeles
 University of Texas at Austin, Cognitive Science Program
 Microelectronics and Computer Technology Corporation, Austin, Texas
 Pennsylvania State University, Department of Psychology
- 1986 University of Paris, VII, Laboratoire d'Automatique Documentaire et Linguistique,
 Department of Computer Science
 Georgia Institute of Technology, Department of Psychology
- 1987 Princeton University, Human Information Processing Group, Distinguished Speaker Series
 Yale University, Department of Computer Science, Artificial Intelligence Lecture Series
 University of Zurich, Departments of Psychology and Computer Science
 University of Amsterdam, Department of Psychology (colloquium)
 NATO Scientific Affairs Division, Advanced Research Workshop on Cognitive Science
 Perspectives on Emotion, Motivation, and Cognition, Tuscany, Italy (invited Lecturer)

- 1988 Medical Research Council, Applied Psychology Unit, Cambridge, England
 Human Cognition Laboratory, The Open University, Milton Keynes, England
 Department of Information and Computer Science, University of California, Irvine
 School of Cognitive Science, University of Sussex, England
 Department of Psychology, University of Reading, England
 Department of Psychology, University of Manchester, England
 Department of Psychology, University of La Laguna, Tenerife, Canary Islands, Spain (four-lecture series)
 Department of Psychology, University of Milan, Italy
 Department of Psychology, University of Padova, Italy
- 1989 Institute for Research in Science and Technology, Trento, Italy
 Department of Sociology, Indiana University
 Department of Psychology, University of Padova, Italy
 Department of Psychology, University of Bologna, Italy
 Conference on Perception and Cognitive Processes, University of Trieste, Italy (guest speaker)
 Workshop on modeling the relationship of human cognition to emotion, The Santa Fe Institute, New Mexico
 Institute for Social Research, University of Michigan
- 1990 Department of Psychology, University of Bologna, Italy
 Annual Meeting of the American Psychological Association, Boston (invited address)
 NATO Scientific Affairs Division, Advanced Research Workshop on Computational Theories of Communication, Trentino, Italy (US Organizer and speaker)
- 1991 University of Stockholm, Sweden, Winter Symposium on Cognitive Science (invited address)
 CNR (National Scientific Research Council of Italy), Rome
- 1996 University of Arizona, Conference on "The Interface of Emotion and Cognitive Neuroscience" (invited speaker)
- 1997 "Metaphor and Analogy: A lecture series in Cognitive Science," Istituto Trentino di Cultura and Istituto per la Ricerca Scientifica e Tecnologica, Trento, Italy (invited lecturer).
- 1999 Austrian Institute for Artificial Intelligence, Vienna, Austria (invited speaker)
- 2000 University of Chicago, Department of Psychiatry (colloquium).
 Emotion and Design, International Conference, Potsdam, Germany (invited speaker)
- 2001 Information and Decision Sciences, University of Southern Florida (colloquium).
 User Modeling 2001, Workshop on Attitudes, Personality and Emotions in User-Adapted Interaction, Sonthofen, Germany (keynote address with W. Revelle).
 AAAI 2001 Fall Symposium "Emotional and Intelligent II: The tangled knot of Social Cognition," Cape Cod, MA (keynote address).
- 2002 5th International Congress on Adult Education: Modern Education and Creative Thought. Bolzano, Italy (keynote address).
 Annual Meeting of the European Association for Experimental Social Psychology, San Sebastian, Spain (invited discussant).
- 2003 International Symposium on "Interaction Design", Interaction Design Institute, Ivrea, Italy (invited principal presenter)
 International Workshop on "Rationality and Emotion", Center for interdisciplinary Research on Emotions, University of Haifa, Israel (invited speaker)
 Symposium on "Emotions in human's service: The role of emotions in the management of organizations." Graduate School of Business, University of Haifa, Israel (invited speaker)
- 2004 Institute of Cognitive Sciences and Technologies, Scientific Research Council (CNR), Rome. Italy
 Brain Research Institute, Bar Ilan University, Tel Aviv, Israel

- Korean University in Seoul, South Korea (colloquium)
 Intelligent Robot Research Center of the Korean Advanced Institute for Science
 and Technology (KAIST), Daejeon, South Korea (invited address)
 Accenture Technology Laboratory, Chicago
- 2005 Einstein Forum, Potsdam, Germany (Public lecture)
 Department of Psychology, University of Athens, Greece (colloquium)
 Biannual Symposium on the Foundations of Artificial Intelligence (BISFAI),
 Haifa, Isreal (invited speaker)
 International Conference on Affective Computing and Intelligent Interaction
 (ACII2005), Beijing, China (keynote address)
- 2006 Center for Computational Intelligence, and Learning Sciences and Technology
 Academic Group, Nanyang Technological University, Singapore (colloquium)
 Agency for Science, Technology and Research, Singapore (keynote address)
- 2007 Keynote Speaker, Haifa HUMAINE Workshop on Conceptualizing Emotions, Haifa, Israel.
 Colloquium, National Institute of Informatics, Tokyo, Japan.
- 2008 Porto Superior Institute of Engineering (ISEP), Portugal (colloquium)

GRANTS AND CONTRACTS ETC.

- 1974-1977 *Toward a theory of Language Comprehension*. Co-PI with R. C. Anderson
 and H. M. Half. National Institute of Education
- 1976-1981 National Academy of Education Spencer Fellowship
- 1976-1986 *Center for the Study of Reading*. Principal contributor with R. C. Anderson,
 B. Bruce and others. National Institute of Education
- 1977 *Metaphor and Thought: An Interdisciplinary Conference*. PI. National Institute
 of Education
- 1980-1983 *The metaphor/similarity relation in natural language*. PI. National Science
 Foundation, Memory and cognitive processes.
- 1984-1987 *Cognitive causes of emotions*. Co-PI with G. L. Clore. National Science
 Foundation, Memory and cognitive processes
- 1985-1986 *Similarity and Analogy: An Interdisciplinary Conference*. Co-PI with S.
 Vosniadou. Army Research Institute.
- 1988-1990 *Cognitive causes of emotions*. Co-PI with G. L. Clore. National Science
 Foundation, Memory and cognitive processes
- 1988-1992 *Computational models of emotion-relevant reasoning*. PI. National Science
 Foundation, Knowledge models and cognitive systems
- 2000-2005 *Center for Cognition, Emotion, and Emotion Disorders* (with R. Zinbarg),
 Northwestern University, Cross-school Initiative

PROFESSIONAL ASSOCIATIONS

Member of the American Association for Artificial Intelligence
 Fellow of the American Psychological Association (Divisions 3 and 15)
 Charter Fellow of the Association for Psychological Science
 Member of the Cognitive Science Society
 Member of the International Society for Research on Emotion
 Member of the Society for Philosophy and Psychology
 Member of the Psychonomic Society
 Corresponding Associate Commentator, *The Behavioral and Brain Sciences*