

## ALFONSO CARAMAZZA, PH.D.

### CURRICULUM VITAE

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#### CITIZENSHIP

United States of America and Italy

#### EDUCATION

Ph.D., Johns Hopkins University	1974
B.A., McGill University	1970

#### APPOINTMENTS

2006-	Director of the Center for Mind/Brain Sciences (CIMEC) University of Trento, Rovereto (TN), Italy
2004-	Director of the Cognitive Science Laboratory (LSC) University of Trento, Rovereto (TN), Italy
2002-	Daniel and Amy Starch Professor of Psychology Harvard University, Cambridge, MA
1995-	Professor, Department of Psychology Harvard University, Cambridge, MA
2001-2002	Visiting Professor, Cognitive Neuroscience Sector Scuola Internazionale Superiore di Studi Avanzati (SISSA), Trieste, Italy
1993-1995	David T. McLaughlin Distinguished Professor, Department of Psychology, Dartmouth College; Adjunct Professor, Department of Medicine (Neurology) and Department of Psychiatry, Dartmouth Medical School
1987-1993	Professor and Chair, Department of Cognitive Science, (Joint Appointments in Departments of Psychology & Neurology), Johns Hopkins University
1989-1993	Adjunct Professor, Department of Linguistics, University of Maryland, College Park
1986-1987	Professor, Faculty of Psychology and Educational Sciences, Université de Genève
1974-1987	Assistant (1974); Associate (1978); Full Professor (1981), Department of Psychology, Johns Hopkins University

1982 (Summer)	Visiting Professor, Summer Linguistic Institute, University of Maryland
1981-1982	Visiting Professor, Istituto di Psicologia, Consiglio Nazionale delle Ricerche, Rome, Italy
1975-1976 (on leave)	Assistant Professor, Concordia University, Montreal, Canada

#### HONORS AND AWARDS

Javits Neuroscience Investigator Award (1989)  
 Doctor Honoris Causa, Université Catholique de Louvain, Belgium (1993)  
 J.-L. Signoret Prize in the Biology of Cognition (Language), Ipsen Foundation (1996)  
 Elected to Society of Experimental Psychologists (2004)  
 Honorary Professor, Beijing National University (2005)

#### ADVISORY BOARDS

Fondation Fyssen, Paris, France (1986-1994); Mind/Brain Institute, Johns Hopkins University (1987-1994); Trieste Cognitive Science Encounters, International School for Advanced Studies (1989-1995); Institut d'Ete de Neuropsychologie (1993-1996); Aphasia Research Center, Boston (1980-1988, 1995-); Institute of Psychology, CNR, Rome, Italy (1986-1992); Center for the Advancement of Academically Talented Youth, Johns Hopkins University, Baltimore (1984-1990); Center for Hearing Sciences, Johns Hopkins University Medical Center (1986-1992); Massachusetts General Hospital Neurolinguistics Laboratory (1988-1992); Centro Studi Della Memoria, Fondazione Fidia, Italy (1988-1992); The University of Iowa, Department of Neurology (1990-1993)

#### OTHER PROFESSIONAL EXPERIENCE

Editor-in-chief: Cognitive Neuropsychology (1998-)

Member of Board of Editors: Brain Research, Cognitive Brain Research (1991); Cognition (1983); Cortex (1981); Journal of Cognitive Neuroscience (1988); Journal of Cognitive Science (2000); Journal of Neurolinguistics (1992); Language and Cognitive Processes (1988); Lingue e Linguaggio (2002); Neurocase (1995); Neuropsychologia (1994); Neuropsicologia Latina (1994); Reveu de Neuropsychologie (1991); Sistemi Intelligenti (1988); Syntax (1998).

#### PUBLICATIONS

##### **Books**

Caramazza, A., & Zurif, E. (Eds.), The Acquisition and Breakdown of Language: Parallels and Divergencies. Baltimore, MD. The Johns Hopkins Press, 1978.

Caramazza, A. (Ed.), Cognitive Neuropsychology and Neurolinguistics: Advances in Models of Cognitive Function and Impairment. Hillsdale, NJ: Lawrence Erlbaum Associates, 1990.

Caramazza, A. Issues in Reading Writing and Speaking: A Neuropsychological Perspective. The Netherlands: Kluwer Academic Publishers, 1991.

**Selected Articles and Book Chapters (56 of 322)**

Caramazza, A., Yeni-Komshian, G., Zurif, E., & Carbone, E. (1973). The acquisition of a new phonological contrast: The case of stop consonants in French-English Bilinguals. Journal of the Acoustical Society of America, 54, 421-428.

Caramazza, A., Yeni-Komshian, G., & Zurif, E. (1974). Bilingual switching: The phonological level. Canadian Journal of Psychology, 28, 310-317.

Caramazza, A., & Grober, E. (1976). Polysemy and the structure of the subjective lexicon. In C. Rameh (Ed.), Georgetown University Round Table on Language and Linguistics, 181-206. Georgetown University Press.

Caramazza, A., & Zurif, E. (1976). Dissociation of algorithmic and heuristic processes in language comprehension: Evidence from aphasia. Brain and Language, 3, 572-582.

Hersh, H., & Caramazza, A. (1976). A fuzzy set approach to modifiers and vagueness in natural language. Journal of Experimental Psychology: General, 105, 256-276.

Caramazza, A., Grober, E., Garvey, C., & Yates, J. (1977). Comprehension of anaphoric pronouns. Journal of Verbal Learning and Verbal Behavior, 16, 601-609.

Caramazza, A., & Berndt, R. (1978). Semantic and syntactic processes in aphasia: A review of the literature. Psychological Bulletin, 85, 898-918.

Caramazza, A. & Brones, I. (1980). Semantic classification by bilinguals. Canadian Journal of Psychology, 34(1), 77-81.

Caramazza, A., Basili, A.G., Koller, J.J., & Berndt, R.S. (1981). An investigation of repetition and language processing in a case of conduction aphasia. Brain and Language, 14, 235-271.

Caramazza, A., McCloskey, M., & Green, B. (1981). Naive beliefs in "sophisticated" subjects: Misconceptions about the trajectories of objects. Cognition, 9, 117-123.

McCloskey, M., Caramazza, A., & Green, B. (1981). Curvilinear motion in the absence of external forces: Naive beliefs about the motion of objects. Science, 210, 1139-1141.

Caramazza, A., Berndt, R.S., & Basili, A.G. (1983). The selective impairment of phonological processing: A case study. Brain and Language, 18, 128-174.

Caramazza, A. (1984). The logic of neuropsychological research and the problem of patient classification in aphasia. Brain and Language, 21, 9-20.

Miceli, G., Silveri, M.C., Villa, G., & Caramazza, A. (1984). On the basis for the agrammatic's difficulty in producing main verbs. Cortex, 20, 207-220.

- Caramazza, A. & Berndt, R.S. (1985). A multicomponent deficit view of agrammatic Broca's aphasia. In M.-L. Kean (Ed.), Agrammatism, 27-63. NY: Academic Press.
- Caramazza, A., Miceli, G., Silveri, M.C. & Laudanna, A. (1985). Reading mechanisms and the organization of the lexicon: Evidence from acquired dyslexia. Cognitive Neuropsychology, 2, 81-114.
- Hart, J., Berndt, R.S., & Caramazza, A. (1985). Category-specific naming deficit following cerebral infarction. Nature, 316, 439-440.
- McCloskey, M., Caramazza, A., & Basili, A. (1985). Cognitive mechanisms in number processing and calculation: Evidence from dyscalculia. Brain and Cognition, 4, 171-196.
- Caramazza, A. (1986). On drawing inferences about the structure of normal cognitive systems from the analysis of patterns of impaired performance: The case for single-patient studies. Brain and Cognition, 5, 41-66.
- Caramazza, A., Miceli, G., & Villa, G. (1986). The role of the (output) phonological buffer in reading, writing, and repetition. Cognitive Neuropsychology, 3(1), 37-76.
- Caramazza, A., Miceli, G., Villa, G., & Romani, C. (1987). The role of the Graphemic Buffer in Spelling: Evidence from a case of acquired dysgraphia. Cognition, 26, 59-85.
- Caramazza, A. (1988). Some aspects of language processing revealed through the analysis of acquired aphasia: The lexical system. Annual Review of Neuroscience, 11, 395-421.
- Caramazza, A., Laudanna, A., & Romani, C. (1988). Lexical access and inflectional morphology. Cognition, 28, 297-332.
- Rapp, B.C., & Caramazza, A. (1989). General to Specific Access to Word Meaning: A Claim Re-examined. Cognitive Neuropsychology, 6 (2), 251-272.
- Caramazza, A. & Hillis, A.E. (1990). Spatial representation of words in the brain implied by studies of a unilateral neglect patient. Nature, 346, 267-269.
- Caramazza, A. & Hillis, A. (1990). Where Do Semantic Errors Come From? Cortex, 26, 95-122.
- Caramazza, A., Hillis, A., Rapp, B.C., & Romani, C. (1990). The multiple semantics hypothesis: Multiple confusions? Cognitive Neuropsychology, 7, 161-189.
- Caramazza, A. & Miceli, G. (1990). The structure of graphemic representations. Cognition, 37, 243-297.
- Caramazza, A. & Hillis, A.E. (1991). Lexical organization of nouns and verbs in the brain. Nature, 349, 788-790.
- Hillis, A.E. & Caramazza, A. (1991). Category-specific naming and comprehension deficits: Theoretical and clinical implications. In T.E Prescott (Ed.), Clinical Aphasiology Vol. 20, 191-200. Austin, TX: Pro-Ed.

- Caramazza, A. (1992). Is cognitive neuropsychology possible? Journal of Cognitive Neuroscience, 4(1), 80-95.
- Caramazza, A. (1994). Parallels and divergences in the acquisition and dissolution of language. Philosophical Transactions of the Royal Society of London, Series B, 346, 121-127.
- Hillis, A.E. & Caramazza, A. (1995). Cognitive and neural mechanisms underlying visual and semantic processing: Implications from "Optic Aphasia." Journal of Cognitive Neuroscience, 7, 457-478.
- Caramazza, A. (1997). How many levels of processing are there in lexical access? Cognitive Neuropsychology, 14, 177-208.
- Caramazza, A. & Miozzo, M. (1997). The relation between syntactic and phonological knowledge in lexical access: Evidence from the 'tip-of-the-tongue' phenomenon. Cognition, 64, 309-343.
- Caramazza, A. (1998). The interpretation of semantic category-specific deficits: What do they reveal about the organization of conceptual knowledge in the brain? Neurocase, 4, 265-272.
- Caramazza, A. & Shelton, J. (1998). Domain-specific knowledge systems in the brain: The animate/inanimate distinction. Journal of Cognitive Neuroscience, 10, 1-34.
- Costa, A., Miozzo, M., & Caramazza, A. (1999). Lexical selection in bilinguals: Do words in the bilingual's two lexicons compete for selection? Journal of Memory and Language, 41, 365-397.
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- Schiller, N.O. & Caramazza, A. (2003). Mechanisms of determiner selection: Evidence from noun phrase production in German and Dutch. Journal of Memory and Language, *48*, 169-194.
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- Shapiro, K. & Caramazza, A. (2003). The representation of grammatical categories in the brain. Trends in Cognitive Science, *7*, 201-6.
- Caramazza, A., & Mahon, B.Z. (2006). The organisation of conceptual knowledge in the brain: the future's past and some future directions. Cognitive Neuropsychology, *23*, 13-38.
- Shapiro, K., Moo, L., & Caramazza, A. (2006). Cortical signatures of noun and verb production. Proceedings of the National Academy of Sciences, *103*, 1644-1649.
- Mahon, B.Z., Costa, A., Peterson, R., Vargas, K., & Caramazza, A. (2007). Lexical selection is not by competition: A reinterpretation of semantic interference and facilitation effects in the picture-word interference paradigm. Journal of Experimental Psychology: Learning, Memory, and Cognition, *33*, 503-535.
- Mahon, B.Z., Milleville, S., Negri, G.A.L., Rumiati, R.I., Martin, A., & Caramazza, A. (2007). Action-related properties of objects shape object representations in the ventral stream. Neuron, *55*(3), 507-520.
- Cappelletti, M., Fregni, F., Shapiro, K., Pascual-Leone, A., & Caramazza, A. (2008). Processing nouns and verbs in the left frontal cortex: A transcranial magnetic stimulation study. Journal of Cognitive Neuroscience, *20*(4), 1-15.
- Janssen, N., Alario, F.-X., & Caramazza, A. (2008). A word-order constraint on phonological activation. Psychological Science, *19*(3), 216-220.