

Curriculum Vitae

Athanassios Protopapas

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Education

- Doctor of Philosophy in Cognitive Science, Brown University, Providence, Rhode Island, USA. Completed September 1996; received May 1997. Dissertation title: “Perspectives on syllables, stress, and interactions in speech perception: experimental and connectionist approaches.”
- Master of Science in Engineering, Brown University, Providence, Rhode Island, USA, 1995. Thesis title: “Performance of the LEMS HMM speech recognizer with PLP features and with multiple-window log-spaced DFT spectra.”
- Master of Science in Cognitive Science, Brown University, Providence, Rhode Island, USA, 1993. Thesis title: “An assessment of the perceptual role of individual acoustic features of infant cries.”
- University degree, Department of Physics, University of Patras, Greece, 1991. Thesis topic: “Design and implementation of a real-time linear prediction vocoder using the TMS320C25 digital signal processor.”

Professional experience

- Associate Professor of Cognitive Science, Department of Philosophy and History of Science, University of Athens. June 2010–present.
 - Associate Director of the Cognitive Science Division of the department (2010–2012).
 - Member of the interdepartmental executive committee of the graduate program in “Basic & Applied Cognitive Science” (since 2011).
 - Member of the departmental committee for the doctoral study program (since 2012).
 - Founder and director of “Language & Learning Lab,” a research and discussion group.
- Principal Researcher, Institute for Language & Speech Processing. September 2000–June 2010.
 - Scientific director (until May 2010) for ILSP participation in “Long Lasting Memories” a project to integrate and validate a combination of state-of-the-art cognitive exercises with physical activity in the framework of an advanced ambient assisted living environment for elderly individuals with (or at risk for) cognitive impairment. Kick-off June 2009, planned duration 30 months.
 - Elected member of the ILSP Scientific Advisory Board (January 2004–July 2009).
 - Scientific director on a grant from the Ministry of Education to develop software for automatic screening of learning disabilities in Grades 2–8, including design, implementation, and standardization. October 2006–May 2008.
 - Coordinator of approved proposal for “Ortho-Logo-Paedia,” a three-year research and technological development project (under the 5th European Framework Program “Quality of Life”) to support speech therapy by on-screen speech visualization. Coordinator of the project (January 2002–December 2004).
 - Recipient of grant from the Ministry of Development to investigate commercial viability and produce a business plan to exploit research results on automated screening of 3rd-4th grade children for learning disabilities. Design and supervise implementation and validation trial for assessment and evaluation. June 2003–December 2004.
 - Principal investigator on a grant from the Paedagogical Institute to develop software for automatic screening of 7th grade children for possible learning problems (eMaDys). Design and supervise implementation and validation trial for assessment and evaluation. January 2000– June 2004.
 - Coordinator of “Combined Word and Image Spotting,” a project under the 5th European Framework Program “Information Society Technologies,” for automatic indexing, archiving, and retrieval of audiovisual material (started in March 2000; successfully completed in September 2003 after being selected as “best practice” in the sector).
- Visiting research scholar, Department of Cognitive & Neural Systems, Boston University. May–July 2005.
- Visiting research scholar, LRDC, Department of Psychology, University of Pittsburgh. February–April 2005.

- Software development consultant, Neuroscience Solutions Corporation (now PositScience corporation; San Francisco, California, USA). January–July 2004.
 - Advise on design and construction of speech stimuli; provide speech signal processing code.
 - Member of the Scientific Advisory Board.
- Course instructor at the interdepartmental graduate program “basic and applied cognitive science” of the University of Athens (see teaching experience).
- Course instructor at the graduate program “special education – speech therapy – counseling” of the University of Athens (see teaching experience).
- Course instructor at the Speech Therapy program of the European Educational Organization – Metropolitan College (see teaching experience).
- Course instructor and supervisor of degree theses at the Department of Psychology of the Panteion University of Athens (see teaching experience).
- Postdoctoral fellow, Institute for Language & Speech Processing. February 1999–August 2000.
 - Coordinator of “Combined Image and Word Spotting” (European FP5 RTD project).
 - Contributor to software development for Greek text-to-speech synthesis on improving the existing product and on developing a diphone database for the new system.
 - Design and implementation of automatic text language identification software.
- Course instructor at the Department of Education of the Aegean University (see teaching experience).
- Research consultant, Scientific Learning Corporation (Berkeley, California, USA). January–December 1999.
 - Implement and evaluate phonetic training prototype for nonnative speakers of English.
- Operations Manager, Scientific Learning Corporation, May 1997–March 1998.
 - Coordinate and oversee research projects.
- Research scientist, Scientific Learning Corporation, July 1996–December 1998.
 - Design and implement phonetic training program for nonnative speakers of English.
 - Investigate auditory processing in normal and impaired populations with respect to language and reading.
 - Evaluate remediation product efficacy.
 - Develop auditory processing screening protocol for product efficacy optimization.
 - Develop and evaluate speech processing algorithms for training stimuli.
 - Develop experiment control software for auditory perceptual testing and training.
 - Develop a stochastic simulation to study and optimize training exercises.

External funding

- Co-proposer and leader of the “Language” group (group budget: **173,500 €**), *Cognitive Mechanisms in the Perception, Representation, and Organization of Knowledge* (36-month Project #892 under “Thales”/National Strategic Reference Framework; PI: Stella Vosniadou; total budget: 520k€). Ministry of Education (2012–2015).
- Co-proposer and member of the “Neuropsychology” group (group budget: **165,700 €**), *Levels of impairment in Greek Aphasia: Relationship with Processing Deficits, Brain Region, and Therapeutic Implications* (36-month Project #977 under “Thales”/National Strategic Reference Framework; PI: Spyridoula Varlokosta; total budget: 520k€). Ministry of Education (2012–2015).
- Co-proposer and director of ILSP participation (ILSP grant: **160,972 €**), *Long Lasting Memories* (30-month Project 238904 under CIP/ICT PSP/2008/1; total budget: 4.7 m€). European Commission, 2009.
- Proposer and project director of a **170,000 €** contract to develop software for automatic screening of learning disabilities (EPEAEK II, action 1.1.3.a, through the University of Patras). Ministry of Education, 2006.
- Proposer and project director of a **44,000 €** contract to investigate commercial viability of automated screening for learning disabilities (Operational Programme “Competitiveness,” sub-project 02PRAXE39, through the General Secretariat for Research & Technology). Ministry of Development, 2003.
- Lead proposer, project director, and director of ILSP participation (ILSP grant: **205,734 €**), *Ortho-Logo-Paedia* (36-month contract QLG5-CT-2001-01971 under FP5; total budget: 2.1 m€). European Commission, 2002.
- Proposer and project director of a **44,000 €** contract to develop software for automatic screening of learning disabilities (EPEAEK, actions 1.1.b and 1.4.c, through the Paedagogical Institute). Ministry of Education, 2000.

Peer-reviewed journal publications

- Fotiadis, F. A., & Protopapas, A. (in press). The effect of newly trained verbal and nonverbal labels for the cues in probabilistic category learning. *Memory and Cognition*. doi: 10.3758/s13421-013-0350-5
- Protopapas, A., Altani, A., & Georgiou, G. K. (in press). RAN backward: A test of the visual scanning hypothesis. *Scientific Studies of Reading*. doi:10.1080/10888438.2013.769556
- Nikolinakos, D., Georgiadou, A., Protopapas, A., Tzavaras, A., & Potagas, C. (2013). A case of color-taste synesthesia. *Neurocase* **19** (3): 282–294.

- Protopapas, A., Fakou, A., Drakopoulou, S., Skaloumbakas, C., & Mouzaki, A. (2013). What do spelling errors tell us? Classification and analysis of spelling errors of Greek schoolchildren with and without dyslexia. *Reading & Writing: An Interdisciplinary Journal* **26** (5): 615–646.
- Protopapas, A., Mouzaki, A., Sideridis, G.D., Kotsolakou, A., & Simos, P.G. (2013). The role of vocabulary in the context of the simple view of reading. *Reading & Writing Quarterly* **29**: 168–202.
- Protopapas, A., Tzakosta, M., Chalamandaris, A., & Tsiakoulis, P. (2012). IPLR: An online resource for Greek word-level and sublexical information. *Language Resources & Evaluation* **46** (3): 449–459.
- Vlahou, E., Protopapas, A., & Seitz, A. R. (2012). Implicit training of non-native speech stimuli. *Journal of Experimental Psychology: General* **141** (2): 363–381.
- Protopapas, A., Simos, P.G., Sideridis, G.D., & Mouzaki, A. (2012). The components of the simple view of reading: A confirmatory factor analysis. *Reading Psychology* **33** (3): 217–240.
- Simos, P. G., Sideridis, G. D., Protopapas, A., & Mouzaki, A. (2011). Psychometric evaluation of a receptive vocabulary test for Greek elementary students. *Assessment for Effective Intervention* **37** (1): 34–49.
- Protopapas, A., Sideridis, G. D., Mouzaki, A., & Simos, P. G. (2011). Matthew effects in reading comprehension: myth or reality? *Journal of Learning Disabilities* **44** (5): 402–420.
- Georgiou G. K., Protopapas, A., Papadopoulos, T. C., Skaloumbakas, C., & Parrila, R. (2010). Auditory temporal processing and dyslexia in an orthographically consistent language. *Cortex* **46** (10): 1330–1344.
- Seitz, A. R., Protopapas, A., Tsushima, Y., Vlahou, E. L., Gori, S., Grossberg, S., & Watanabe, T. (2010). Unattended exposure to components of speech sounds yields same benefits as explicit auditory training. *Cognition* **115** (3): 432–443.
- Protopapas, A., & Gerakaki, S. (2009). Development of processing stress diacritics in reading Greek. *Scientific Studies of Reading* **13** (6): 453–483.
- Protopapas, A., & Vlahou, E.L. (2009). A comparative quantitative analysis of Greek orthographic transparency. *Behavior Research Methods* **41** (4): 991–1008.
- Protopapas, A., Skaloumbakas, C., & Bali, P. (2008). Validation of unsupervised computer-based screening for reading disability in the Greek elementary Grades 3–4. *Learning Disabilities: A Contemporary Journal* **6** (1): 45–69.
- Protopapas, A. (2007). CheckVocal: A program to facilitate checking the accuracy and response time of vocal responses from DMDX. *Behavior Research Methods* **39** (4): 859–862.
- Protopapas, A., Gerakaki, S., & Alexandri, S. (2007). Sources of information for stress assignment in reading Greek. *Applied Psycholinguistics* **28** (4): 695–720.
- Protopapas, A., Sideridis, G.D., Simos, P.G., & Mouzaki, A. (2007). Development of lexical mediation in the relation between reading comprehension and word reading skills in Greek. *Scientific Studies of Reading* **11** (3): 165–197.
- Protopapas, A., Archonti, A., & Skaloumbakas, C. (2007). Reading ability is negatively related to Stroop interference. *Cognitive Psychology* **54** (3): 251–282.
- Protopapas, A., & Skaloumbakas, C. (2007). Computer-based and traditional screening and diagnosis of reading disabilities in Greek. *Journal of Learning Disabilities* **40** (1): 15–36.
- Protopapas, A., Gerakaki, S., & Alexandri, S. (2006). Lexical and default stress assignment in reading Greek. *Journal for Research in Reading* **29** (4): 418–432.
- Sideridis, G.D., Mouzaki, A., Simos, P.G., & Protopapas, A. (2006). Classification of students with reading comprehension difficulties: The roles of motivation, affect, and psychopathology. *Learning Disability Quarterly* **29** (3): 159–180.
- Varlokosta, S., Valeonti, N., Kakavoulia, M., Lazaridou, M., Economou, A., & Protopapas, A. (2006). The breakdown of functional categories in Greek aphasia: Evidence from agreement, tense and aspect. *Aphasiology* **20** (8): 723–743.
- Protopapas, A. (2006). On the use and usefulness of stress diacritics in reading Greek. *Reading & Writing: An Interdisciplinary Journal* **19** (2): 171–198.
- McCandliss, B.D., Fiez, J.A., Protopapas, A., Conway, M., & McClelland, J.L. (2002). Success and failure in teaching the [r]-[l] contrast to Japanese adults: Tests of a Hebbian model of plasticity and stabilization of spoken language perception. *Cognitive, Affective, and Behavioral Neuroscience* **2** (2): 89–108.
- Uchanski, R.M., Geers, A.E., & Protopapas, A. (2002). The intelligibility of modified speech for young listeners with normal and impaired hearing. *The Journal of Speech, Language, and Hearing Research* **45** (5): 1027–1038.
- Ahissar, E., Nagarajan, S., Ahissar, M., Protopapas, A., & Merzenich, M.M. (2001). Speech comprehension is correlated with temporal response patterns recorded from auditory cortex. *Proceedings of the National Academy of Sciences of the U.S.A.* **98** (23): 13367–13372.
- Poldrack, R.A., Temple, E., Protopapas, A., Nagarajan, S., Tallal, P., Merzenich, M.M., & Gabrieli, J.D.E. (2001). Relations between the neural bases of dynamic auditory processing and phonological processing: Evidence from fMRI. *Journal of Cognitive Neuroscience* **13**: 687–697.
- Temple, E., Gabrieli, J.D.E., Protopapas, A., Nagarajan, S., Salz, T., Tallal, P., Merzenich, M.M., & Poldrack, R.A.

- (2000). Disruption of the neural response to rapidly transient acoustic stimuli in dyslexia: Evidence from fMRI. *Proceedings of the National Academy of Sciences of the U.S.A.* **97** (25): 13907–13912.
- Ahissar, M., Protopapas, A., Reid, M., & Merzenich, M.M. (2000). Auditory processing parallels reading abilities in adults. *Proceedings of the National Academy of Sciences of the U.S.A.* **97** (12): 6832–6837.
- Protopapas, A. (1999). Connectionist modeling of speech perception. *Psychological Bulletin* **125** (4): 410–436.
- Protopapas, A., Finney, S.A., & Eimas, P.D. (1999). Baseline conditions in structural induction: Comments on Pitt, Smith, & Klein (1998). *Journal of Experimental Psychology: Human Perception and Performance* **25** (5): 1472–1475.
- Pickett, E.R., Kuniholm, E., Protopapas, A., Friedman, J., & Lieberman, P. (1998). Selective speech motor, syntax, and cognitive deficits associated with bilateral damage to the putamen and the head of the caudate nucleus: a case study. *Neuropsychologia* **36** (2): 173–188.
- Protopapas, A., & Eimas, P.D. (1997). Perceptual differences in infant cries revealed by modifications of acoustic features. *The Journal of the Acoustical Society of America* **102** (6): 3723–3734.
- Protopapas, A., & Lieberman, P. (1997). Fundamental frequency of phonation and perceived emotional stress. *The Journal of the Acoustical Society of America* **101** (4): 2267–2277.
- Finney, S.A., Protopapas, A., & Eimas, P.D. (1996). Attentional allocation to syllables in American English. *Journal of Memory and Language* **35**: 893–909.
- Lieberman, P., Protopapas, A., & Kanki, B.G. (1995). Speech production and syntax comprehension deficits on Mt.Everest. *Aviation, Space, and Environmental Medicine* **66**: 857–864.
- Lieberman, P., Protopapas, A., Kanki, B.G., Reed, E., & Youngs, J.W. (1994). Cognitive defects at altitude. *Nature* **372**: 325.

■ *Note: In the following sections, titles in square brackets indicate works in the Greek language.*

Books

- Mouzaki, A., & Protopapas, A. (Eds.) (2010). *[Spelling: Learning and disorders]*. Athens: Gutenberg/Typothito. ISBN: 978-960-01-1389-1.
- Vosniadou, S., Kayser, D., & Protopapas, A. (Eds.) (2007). *Proceedings of the European Cognitive Science Conference 2007*. Erlbaum/Taylor & Francis. ISBN: 978-1-84169-696-6.
- Palmer, R. L., & Protopapas, A. (2008). *The Lemon and Lime Library*. London, UK: Speechmark. ISBN 978-0-86388-548-8.

Book chapters

- Terkourafi, M., Kapnoula, E.C., Panagiotopoulou, P., & Protopapas, A. (in press). Triangulating the GRID: A corpus-based cognitive linguistic analysis of five Greek emotion terms. In J. Fontaine, K. R. Scherer, & C. Soriano (Eds.), *Components of emotional meaning: A sourcebook*. Oxford University Press.
- Panagiotopoulou, P., Terkourafi, M., & Protopapas, A. (in press). Familiarity and disappointment: A culture-specific dimension of emotional experience in Greece? In J. Fontaine, K. R. Scherer, & C. Soriano (Eds.), *Components of emotional meaning: A sourcebook*. Oxford University Press.
- Protopapas, A. (2011). [A story about cats (and other instances).] In C. Potagas & I. Evdokimidis (Eds.) *Glossa kai mnimi [Language and memory]* (pp. 256–260). Thessaloniki: Synapseis/Koinos Topos Psychiatrikis.
- Protopapas, A. (2010). [The transparency of the Greek orthographic system]. In A. Mouzaki & A. Protopapas (Eds.), *Spelling: Learning and disorders* (pp. 67–104). Athens: Gutenberg.
- Protopapas, A., & Skaloumbakas, C. (2010). [Classification of spelling errors]. In A. Mouzaki & A. Protopapas (Eds.), *Spelling: Learning and disorders* (pp. 181–197). Athens: Gutenberg.
- Protopapas, A., Drakopouloy, S., & Fakou, A. (2010). [Calculation of the relative frequency of spelling errors]. In A. Mouzaki & A. Protopapas (Eds.), *Spelling: Learning and disorders* (pp. 198–207). Athens: Gutenberg.
- Drakopouloy, S., Fakou, A., Skaloumbakas, C., & Protopapas, A. (2010). [Relative frequency of spelling errors in the general population]. In A. Mouzaki & A. Protopapas (Eds.), *Spelling: Learning and disorders* (pp. 208–220). Athens: Gutenberg.
- Fakou, A., Drakopouloy, S., Skaloumbakas, C., & Protopapas, A. (2010). [Comparison of the relative frequency of spelling errors between schoolchildren with and without dyslexia]. In A. Mouzaki & A. Protopapas (Eds.), *Spelling: Learning and disorders* (pp. 286–304). Athens: Gutenberg.
- Skaloumbakas, C., & Protopapas, A. (2010). [Computerized screening of spelling difficulties]. In A. Mouzaki & A. Protopapas (Eds.), *Spelling: Learning and disorders* (pp. 359–374). Athens: Gutenberg.
- Protopapas, A. (2008). [Reading: from image to word]. In I. Evdokimidis & C. Potagas (Eds.) *Sizitiseis gia to logo* (pp. 199–218). Thessaloniki: Synapseis/Koinos Topos Psychiatrikis.
- Protopapas, A. (2008). [The development of speech perception.] In D. Nikolopoulos (Ed.) *Glossiki anaptyksi kai diatarabes [Language development and disorders]* (pp. 65–133). Athens: Topos.
- Papageorgiou, H., Prokopidis, P., Protopapas, A., & Carayannis, G. (2005). Multimedia indexing and retrieval using

natural language, speech and image processing methods. In G. Stamou & S. Kollias (Eds.) *Multimedia Content and Semantic Web: Methods, Standards and Tools* (pp. 279–297). West Sussex, England: Wiley.

Merzenich, M.M., Miller, S.L., Jenkins, W.M., Saunders, G., Protopapas, A., Peterson, B., & Tallal, P. (1998). Amelioration of the acoustic and speech reception deficits underlying language-based learning impairments. In C. von Euler, I. Lundberg, & R. Llinas (Eds.), *Basic Mechanisms in Cognition and Language* (pp. 143–172). Amsterdam: Elsevier.

Publications in conference proceedings

- Protopapas, A., & Kapnoula, E. C. (2013). Exploring word recognition with selected stimuli: The case for decorrelated parameters. In M. Knauff, M. Pauen, N. Sebanz, & I. Wachsmuth (Eds.), *Proceedings of the 35th Annual Conference of the Cognitive Science Society* (pp. XX–XX). Berlin, Germany, 31 July–1 August.
- Ziaka, L., Moirou, D., Vlahou, E. L., Protopapas, A. (2013). Word reading practice reduces Stroop interference in children. In M. Knauff, M. Pauen, N. Sebanz, & I. Wachsmuth (Eds.), *Proceedings of the 35th Annual Conference of the Cognitive Science Society* (pp. XX–XX). Berlin, Germany, 31 July–1 August.
- Katidioti, I., Simpson, I. C., & Protopapas, A. (2012). Dual-route connectionist model of Greek spelling. In N. Rußwinkel, U. Drewitz, & H. van Rijn (Eds.) *Proceedings of ICCM 2012 – 11th International Conference on Cognitive Modeling* (pp. 315–316). Berlin, Germany, 13–15 April.
- Protopapas, A., & Markatou, A. (2011). Asymmetry in Stroop interference arising from naming practice: shape beats color. In L. Carlson, C. Hölscher, & T. Shipley (Eds.), *Proceedings of the 33rd Annual Conference of the Cognitive Science Society* (pp. 2150–2155). Boston, MA.
- Fotiadis, F. A., Protopapas, A., & Vatakis, A. (2011). The effect of cue naming in probabilistic category learning. In B. Kokinov, A. Karmiloff-Smith, & N. J. Nersessian (Eds.). *European Perspectives on Cognitive Science: Proceedings of the European Conference on Cognitive Science – EuroCogSci 2011*. Sofia, Bulgaria: New Bulgarian University Press.
- Outos, K., & Protopapas, A. (2009). Reading aloud multisyllabic words: A single-route connectionist model for Greek. In A. Howes, D. Peebles, R. Cooper (Eds.), *Proceedings of ICCM2009 – 9th International Conference on Cognitive Modeling*. Manchester, UK.
- Protopapas, A. & Nomikou, E. (2009). Rules vs. lexical statistics in Greek nonword reading. In N.A. Taatgen & H. van Rijn (Eds.), *Proceedings of the 31st Annual Conference of the Cognitive Science Society*, (pp. 1030–1035). Amsterdam, The Netherlands.
- Protopapas, A. (2007). [Dimensions of reading skills and difficulties in Greek.] 11th Conference of the Panhellenic Association of Speech Therapists. Athens, 23–25 November. Article in M. Vlassopoulou, A. Giannetopoulou, M. Diamanti, L. Kirpotin, E. Levanti, K. Leftheri, & Y. Sakellariou (Eds.) [*Language difficulties in the context of school learning*] (pp. 164–179). Athens: Grigoris.
- Economou, A., Varlokosta, S., Protopapas, A., & Kakavoulia, K. (2007). Factors affecting the production of verb inflections in Greek aphasia. Annual Meeting of the Academy of Aphasia, Washington, DC, 21–23 October. Article in *Brain and Language* **103** (1–2): 53–54.
- Protopapas, A., Skaloumbakas, C., Gerakaki, S., Alexandri, S., Grigoriadou, A., & Tsagkaraki, C. (2006). [Software for automated screening of primary education students with possible learning difficulties: Development and application.] 5th Hellenic Conference with International Participation on “Information and Communication Technologies in Education.” Thessaloniki, 5–8 October. Article in proceedings, D. Psillos & V. Dagdilelis (Eds.), pp. 156–163.
- Protopapas, A., Varlokosta, S., Economou, A., & Kakavoulia, M. (2006). Towards empirical dimensions for the classification of aphasic performance. ISCA Tutorial and Research Workshop on Experimental Linguistics, Athens, Greece, 28–30 August. Article in proceedings, A. Botinis (Ed.), pp. 205–208.
- Chalamandaris, A., Protopapas, A., Tsiakoulis, P., & Raptis, S. (2006). All Greek to me! An automatic Greeklish to Greek transliteration system. 5th International Conference on Language Resources and Evaluation (LREC 2006). Genoa, Italy, 24–26 May. Article in proceedings, E. Hinrichs, N. Ide, M. Palmer, & J. Pustejovsky (Eds.), pp. 1226–1229.
- Mouzaki, A., Protopapas, A., & Spantidakis, I. (2005). The role of oral language development in reading comprehension: Evidence from Greek elementary school students. 14th Annual World Congress on Learning Disabilities, Boston, MA, 28–29 October. Article in proceedings, D. Scanlon & G. D. Sideridis (Eds.), pp. 65–74.
- Tsantoula, D., Protopapas, A., & Mouzaki, A. (2004). [Indices of literacy readiness at preschool age]. European Congress on “The European Dimension of Special Education.” Thessaloniki, 19–21 November 2004. Article in proceedings, M. Tzouriadou (Ed.), pp. 208–217. University Studio Press.
- Protopapas, A., Skaloumbakas, C., Iliopoulou, M., Vrontos, P. (2004). [Software-based screening for learning disabilities: Reliability test with repeated administration.] 4th Hellenic Conference with International Participation on “Information and Communication Technologies in Education.” Athens, 29 September–3 October. Article in proceedings, M. Grigoriadou, A. Raptis, S. Vosniadou, & C. Kinigos (Eds.), Vol. 1, pp.

- Papageorgiou, H., & Protopapas, A. (2004). The CIMWOS multimedia indexing system. 3rd International Conference on Image and Video Retrieval. Dublin, Ireland, 21–23 July. Article in proceedings, P. Enser, Y. Kompatsiaris, N.E. O'Connor, A.F. Smeaton, & A.W.M. Smeulders (Eds.), pp. 619–627. Lecture Notes in Computer Science 3115, Springer.
- Papageorgiou, H., & Protopapas, A. (2003). CIMWOS: A multimedia, multimodal and multilingual indexing and retrieval system. 4th European Workshop on Image Analysis for Multimedia Interactive Services. London, UK, 9–11 April. Article in E. Izquierdo (Ed.) *Digital Media Processing for Multimedia Interactive Services*, pp. 563–568. World Scientific Publishing Co.
- Papageorgiou, H., Protopapas, A., & Netousek, T. (2003). Retrieving video segments based on combined text, speech and image processing. NAB 2003 Broadcast Engineering Conference. Las Vegas, NV, 5–10 April. Article in proceedings pp. 177–182.
- Protopapas, A., Skaloumbakas, C., & Nikolopoulos, D. (2003). [Automatic screening for learning difficulties with the eMaDys software: Validity and prospects.] 9th Conference of the Panhellenic Logopedists' Association, Athens, 17–18 January. Article in M. Glykas & G. Kalomiris (Eds.) *[Communication and speech disorders: prevention, research, intervention, and new technologies in health]* (pp. 71–91). Athens: Ellinika Grammata.
- Skaloumbakas, C., Protopapas, A., & Nikolopoulos, D. (2003). [Presentation of a learning assessment scale for the examination of learning difficulties and data from its administration to 7th grade students]. 9th Conference of the Panhellenic Logopedists' Association, Athens, 17–18 January. Article in M. Glykas & G. Kalomiris (Eds.) *[Communication and speech disorders: prevention, research, intervention, and new technologies in health]* (pp. 55–70). Athens: Ellinika Grammata.
- Protopapas, A., Skaloumbakas, C., Nikolopoulos, D., Archonti, A., & Triantafyllakos, T. (2002). [Screening software for students with possible learning difficulties: preliminary results from trial application to 7th grade students.] 3rd Panhellenic Conference with international participation “Information and communication technologies in education.” Rhodes, Greece, 26–29 September. Article in proceedings, A. Dimitrakopoulou (Ed.), Vol. 1, pp. 433–442.
- Öster, A.-M., House, D., Protopapas, A., & Hatzis, A. (2002). Presentation of a new EU project for speech therapy: OLP (Ortho-Logo-Paedia). Annual Swedish Phonetics Meeting. Stockholm, Sweden, 29–31 May. Article in *Proceedings from Fonetik 2002*, Speech Music and Hearing Quarterly Progress and Status Report, TMH-QPSR, Vol. 44, pp. 45–48.
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- A. Protopapas, C. Skaloumbakas, & D. Nikolopoulos (2003). [Predictive validity of automated screening for learning disabilities using the eMaDys software with 7th grade students]. 9th Panhellenic Conference of Psychological Research. Rhodes, Greece, 21–24 May.
- A. Protopapas, C. Skaloumbakas, & D. Nikolopoulos (2003). [The relationship between reading ability and nonverbal auditory perception in the general population: data from 7th grade students.] 9th Panhellenic Conference of Psychological Research. Rhodes, Greece, 21–24 May.
- C. Skaloumbakas, A. Protopapas, & D. Nikolopoulos (2003). [Presentation of a learning assessment scale to examine learning disabilities and data from its administration to 7th grade students]. 9th Panhellenic Conference of Psychological Research. Rhodes, Greece, 21–24 May.
- E. Temple, R. A. Poldrack, A. Protopapas, S. Nagarajan, P. Tallal, M. M. Merzenich, & J. D. E. Gabrieli (1999). Functional organization for rapid auditory processing disrupted in adult dyslexics: An fMRI study. Sixth Annual Meeting of the Cognitive Neuroscience Society. Washington, DC, USA, April 11-13.
- R. M. Uchanski, A. E. Geers, & A. Protopapas (1999). The intelligibility of “modified” speech for young listeners with normal and impaired hearing. Midwinter Research Meeting of the Association for Research in Otolaryngology. St. Petersburg Beach, Florida, USA, February 13-18.
- A. Protopapas (1998). Modified LPC resynthesis for controlling speech stimulus discriminability. 136th Annual Meeting of the Acoustical Society of America. Norfolk, VA, October 13–16. [Abstract in *Journal of the Acoustical Society of America* **104** (3 Pt. 2): 1855]
- G. H. Saunders, A. Protopapas, G. Cangiano, T. Salz, & L. F. Cerles (1998). Relation of backward masking and frequency discrimination to reading and language among 5-12 year old children. 136th Annual Meeting of the Acoustical Society of America. Norfolk, VA, October 13–16. [Abstract in *Journal of the Acoustical Society of America* **104** (3 Pt. 2): 1800]

- B. D. McCandliss, J. A. Fiez, M. Conway, A. Protopapas, & J. L. McClelland (1998). Eliciting adult plasticity: Both adaptive and non-adaptive training improves Japanese adults' identification of English /r/ and /l/. Annual Meeting of the Society for Neuroscience. Los Angeles, CA, November 7–12. [Abstract in *Society for Neuroscience Abstracts* **24** (Pt. 2): 1898]
- E. Temple, R. A. Poldrack, A. Protopapas, S. Nagarajan, P. Tallal, M. Merzenich, & J. D. E. Gabrieli (1998). Auditory processing of rapid stimuli and phonological processing of visual stimuli involve common brain areas in the left inferior frontal cortex. Annual Meeting of the Society for Neuroscience. Los Angeles, CA, November 7–12. [Abstract in *Society for Neuroscience Abstracts* **24** (Pt 1): 20]
- R. A. Poldrack, A. Protopapas, S. Nagarajan, P. Tallal, M. Merzenich, E. Temple, & J. D. E. Gabrieli (1998). Auditory processing of temporally compressed speech: An fMRI study. Fifth Annual Meeting of the Cognitive Neuroscience Society. San Francisco, CA, April 5–7.
- A. Protopapas, M. Ahissar, & M. M. Merzenich (1997). Auditory processing is related to reading ability. 134th Annual Meeting of the Acoustical Society of America. San Diego, CA, December 1–5. [Abstract in *Journal of the Acoustical Society of America* **102** (5 Pt. 2): 3188]
- A. Protopapas, M. Ahissar, & M. M. Merzenich (1997). Auditory processing deficits in adults with a history of reading difficulties. Annual Meeting of the Society for Neuroscience. New Orleans, LA, October 26. [Abstract in *Society for Neuroscience Abstracts* **23** (1): 491]
- P. Tallal, G. Saunders, S. Miller, W. M. Jenkins, A. Protopapas, & M. M. Merzenich (1997). Rapid training-driven improvement in language ability in autistic and other PDD children. Annual Meeting of the Society for Neuroscience. New Orleans, LA, October 26. [Abstract in *Society for Neuroscience Abstracts* **23** (1): 490]
- P. D. Allopenna, A. Protopapas, S. A. Finney, & P. D. Eimas (1996). Investigating syllabic effects in the on-line segmentation of English. 9th annual CUNY conference on human sentence processing. New York, March 21–23.
- E. R. Pickett, E. Kuniholm, A. Protopapas, J. Friedman, & P. Lieberman (1996). Selective speech motor, syntax, and cognitive deficits associated with bilateral damage to the caudate nucleus and the putamen: A case study. Annual Meeting of the Society for Neuroscience. Washington, DC, November 16–21. [Abstract in *Society for Neuroscience Abstracts* **22** (2): 1109]
- A. Protopapas, D. Syndoukas & E. Zygouris (1991). Real time LPC vocoders implemented on single DSPs. 1st General Conference of the Balkan Physical Union, Thessaloniki, Greece.

Work in progress

- Protopapas, A. From temporal processing to developmental language disorders: Mind the gap. Under revision
- Protopapas, A. Written Greek. Under review.
- Protopapas, A. From diacritics to the mental lexicon: Where is the stress? Under review.
- Protopapas, A., Altani, A., & Georgiou, G. K. Development of serial processing in reading and rapid naming. Under review.
- Protopapas, A., Cheimariou, S., Economou, A., Kakavoulia, M., & Varlokosta, S. Functional categories related to verb inflection are not differentially impaired in Greek aphasia. Under revision.
- Protopapas, A. Mind as machine: Theory, neuroimaging, and phenomenology in cognitive science. Under review.
- Protopapas, A, Parrila, R., & Simos, P. G. In search of Matthew effects in reading. Under revision.
- Kapnoula, E. C., & Protopapas, A. Syllable but not bigram frequency effects in Greek: A challenge for models of visual word recognition. In preparation.

Unpublished articles

- Protopapas, A. (2009). [The freedom of will as a physical-mental phenomenon.] Based on a lecture delivered in the seminar series of the Goudi group.
- Protopapas, A. (2007). [The role of intuition in the study of consciousness.] Based on a lecture delivered in the seminar series of the Goudi group.
- Protopapas, A. (2007). [I, robot: Return of the robotophiles.] Based on a lecture delivered in the Xylocastro symposium on consciousness, Greece, 2006.
- Protopapas, A. (2006). [Preconditions and hypotheses for the study of consciousness: Will and the construction of subjective self.] Based on a lecture delivered in the Xylocastro symposium on consciousness.
- Protopapas, A. (2004). *OLP User's Manual*. OLP document QL1971-ILS-IN-C-097-a4.
- Protopapas, A., & Skaloumbakas, C. (2004). [Automatic screening for learning disabilities with the eMaDys software: Validity confirmation on an independent sample.]
- Protopapas, A. (2004). [The construction of experience by the brain: Implications for phenomenology and neuroimaging]. Based on a lecture delivered in the seminar series of the Goudi group.
- Vogindroukas, I., Tsamourtzis, I., Papageorgiou, V., & Protopapas, A. (2004). [Language development difficulties in Greek preschool children].

Protopapas, A., & Volioti, M. (2003). [OLP: A program to supplement speech therapy using speech processing in the computer.]

Protopapas, A. (2004). [Language recognition of electronic text.]

Committees and working groups

- ❑ Member of the Organizing and Scientific Committee of the 4th Panhellenic Cognitive Science Conference held in Athens in June 2013.
- ❑ Member of the Scientific Committee for the 3rd Panhellenic Cognitive Psychology Conference held in Ioannina in March 2012.
- ❑ Member of the Organizing Committee for the 48th Annual Meeting of the Academy of Aphasia held in Athens in October 2010.
- ❑ Member of the Organizing Committee and Chair of the Scientific Committee for the 2nd Panhellenic Cognitive Psychology Conference held in Thessaloniki in November 2008.
- ❑ Organizer of the 1st South European Workshop on Stress Assignment in Reading. Institute for Language & Speech Processing, Athens, 1–2 September 2008.
- ❑ Member of the Organizing Committee for the 2nd European Cognitive Science Conference (EuroCogSci 07, Delphi, Greece, May 23–27, 2007), in charge of the submission review process and co-editor of proceedings.
- ❑ Member of the Ministry of Education experts' committee on drafting program specifications and calls for proposals in the special educational needs sector. September 2004–March 2005.
- ❑ Member of the International Relations Committee of the Hellenic Psychological Association. 2003–2004.
- ❑ Member of the Organizing Committee for the 18th Annual Meeting of the Hellenic Society for Neuroscience. October 2003.
- ❑ National representative for the General Secretariat of Research and Development, Ministry of Development, in the “Working group on Health and Persons with special needs” of the IST Committee. 2000–2002.
- ❑ National representative in the European COST Action 278 (“Spoken Language Interaction in Telecommunication”) as member of the management committee. 2001–2003.
- ❑ National representative in the European COST Action 249 (“Continuous Speech Recognition over the Telephone”) as member of the management committee. January–May 2000.

Technical skills and experience

- ❑ Programming domains: text processing; speech analysis, processing, and synthesis; scheduling and control of psychophysical experiments; hidden Markov models; digital signal processing; neural networks, numerical analysis, dynamical systems.
- ❑ Programming languages: Python, C, Pascal, Fortran, Basic, Assembly (808x, 6802, TMS320xx).
- ❑ Unix system administration (Irix 5 and 6, Linux 2.x).
- ❑ Experience on multiple hardware and OS platforms, including Unix (IRIX, Linux, Ultrix, Solaris), DOS, Windows (3.11,95/98/NT), and VMS.
- ❑ Experience with special tools and interfaces, such as LaTeX, R, HTML, gle, c-shell, Matlab.
- ❑ Creator of the ILSP Psycholinguistic Resource, a set of online tools and count tables for selecting and controlling stimulus properties (speech.ilsp.gr/iplr).
- ❑ Creator of CheckVocal, a program for checking the accuracy and response time of vocal responses produced with the DMDX psychological laboratory display system
- ❑ Creator of LaTeX document class (`apa.cls`) to typeset manuscripts according to the 5th edition of the Manual of the American Psychological Association.
- ❑ Creator (in collaboration with A. Haritsis) of the first complete Greek font set (`grtex` and `grtt` families, under foundry `hrnet`) for use by web browsers under X-windows.

Teaching experience

- ❑ Instructor for graduate courses “cognitive science” (fall semester 2002–2004, 2006–2012), “cognitive modeling laboratory” (spring semester 2004, 2006, 2008, 2010, 2012), “memory, learning, plasticity” (fall semester 2005, spring semester 2007, 2009, 2011, 2013), “cognitive psychology” (fall semester 2010), and “perception of spoken and written words” (fall semester 2011). Interdepartmental graduate program in basic and applied cognitive science of the National University of Athens.
- ❑ Co-organizer and co-instructor (with N. Smyrnis) of a graduate seminar in “functional magnetic resonance imaging” (fall semester 2012). Interdepartmental graduate program in basic and applied cognitive science of the National University of Athens.
- ❑ Instructor for undergraduate courses “cognitive science” (fall semester 2006, 2010–2012) and “statistics” (spring semester 2012, 2013). Department of Methodology, History, and Theory of Science, National University of Athens.

- Master's theses supervisor. Interdepartmental graduate program in basic and applied cognitive science of the National University of Athens.
 - Mitsi, Anna (2013). Perceptual familiarization with difficult to spell words during an irrelevant task.
 - Altani, Angeliki (2012). The role of executive function in the relationship between rapid naming of visual stimuli and reading.
 - Katidioti, Ioanna (2012). A dual-route connectionist model of spelling for the Greek language.
 - Andrikopoulou, Angeliki (2011). The effect of different types of semantic priming in readers of Greek.
 - Panagaki, Eleonora (2011). Lexical stress information in the mental lexicon of Greek speakers.
 - Fotiadis, Fotios (2010). The effect of cue naming in probabilistic category learning.
 - Moirou, Despoina (2009). Practice and Stroop interference in children and adults.
 - Kapnoulou Efthymia (2009). The dual route theory of word recognition: Evaluation of the dual-route cascaded model using Greek data.
 - Cheimariou, Spyridoula (2009). Verb morphology in patients with aphasia.
 - Outos, Konstantinos, (2009). Computational model of Greek word and pseudoword reading.
 - Kotsolakou, Areti (2009). The role of vocabulary in individual variability and longitudinal development of passage comprehension.
 - Vagias, Ioannis (2009). Computational models for the study of individual differences in Stroop interference.
 - Grimani, Aikaterini (2008). The effect of morphological information on stress assignment in reading words and pseudowords.
 - Skoteinou, Dimitra (2008). Individual differences in Stroop interference in relation to reading ability.
 - Markatou, Artemis (2008). The role of practice in Stroop interference.
 - Foka-Kavalieraki Panagoula (2008). A study of narrative production in patients with aphasia.
 - Nomikou, Elina (2007). A study of reading orthographically predictably and unpredictable words.
 - Spanou, Elena (2006). Zajonc's theory of affective priming: Is there really an emotional response without prior cognitive processing?
 - Vlahou, Eleni (2006). Implicit learning of acoustic categories that may underlie phonetic categories.
 - Tsantoula, Dimitra (2005). Language indicators in the preschool age and reading performance in 1st grade.
 - Gerakaki Svetlana (2005). Conditions of cognitive load and stress assignment errors in pseudoword reading.
 - Alexandri Styliani (2005). Errors in pseudoword reading attributable to metrical patterns of modern Greek.
 - Grigoriadou, Alexandra (2005). Construction and preliminary psychometric validation of a scale to measure cognitive styles in foreign language learning.
 - Lazaridou, Myrto (2005). The grammatical categories of verb tense, aspect, and agreement in the production of typical Greek speakers.
- Undergraduate theses supervisor. Department of Methodology, History, and Theory of Science, National University of Athens.
 - Galari, Aikaterini (2013). The effect of animacy on the structure and production time of subordinate clauses.
 - Piokos, Andreas (2013). The asymmetry that arises after practice in naming colors and shapes.
- Undergraduate theses co-supervision for other departments.
 - Kollias, Pavlos (Department of Informatics, University of Athens, 2010). Cognitive models for repeated competitive games. Supervisor: M. Koumbarakis.
 - Chaspari, Theodora (School of Electrical and Computer Engineering, National Technical University of Athens, 2010). Emotion recognition by voice. Supervisor: P. Maragos.
 - Alevizos, Elias (School of Electrical and Computer Engineering, National Technical University of Athens, 2008). Modeling speech signal processing by the auditory nervous system. Supervisor: G. Carayannis.
- Master's theses supervisor. Graduate program "Technoglossia," Institute for Language & Speech Processing.
 - Karagiannidou, Afroditi (2011). Assessment of reading comprehension in elementary school children.
 - Drakopoulou, Styliani (2008). Categorization of spelling errors and analysis of their relative frequency in the general population.
 - Fakou, Aikaterini (2008). Differences in relative frequency of spelling errors between students with and without reading difficulty.
 - Paschou, Efstratia (2008). Methods and tasks to measure morphosyntactic awareness.
- Instructor for graduate course "speech perception and production – phonetics." Graduate program on special education, speech therapy and counseling, Department of Education of the National University of Athens. Spring semester 2004, 2007.
- Instructor for undergraduate course "phonetics and practical phonetics." Department of Speech Therapy, European Educational Organization – Metropolitan College. Fall semester 2002, 2003.
- Co-instructor (with A. Economou) for "cross-linguistic aspects of acquired and developmental language disorders." Summer school on "language and the brain" organized by the Vivian Smith Institute for Advanced Study of the International Neuropsychological Society (June–July 2002).

- Co-instructor (with A. Economou) for “learning, memory, plasticity.” Interdepartmental graduate program in basic and applied cognitive science of the National University of Athens. Spring semester 2001, 2003.
- Instructor for undergraduate courses “psychophysiology I” (fall semester, 1999–2001), “psychophysiology II” (spring semester, 2000–2002), and “current topics in neuroscience” (spring semester 1999–2002; fall semester 2002). Department of Psychology, Panteion University of Athens.
- Degree theses supervisor. Department of Psychology, Panteion University of Athens.
 - Pliatsikas, Christos (2004). Nicotine and caffeine: Contemporary studies of their effects on the cognitive functions of healthy individuals.
 - Georgakopoulou, Marianna (2003). Memory formation mechanisms of fearful stimuli.
 - Valeonti, Natalia (2003). Verb inflection errors in agrammatism.
 - Messaritakis, Theodoros (2003). Mood disorders: causes and therapeutic approaches.
 - Tsagkaraki Christina (2003). Impaired phonological coding in the memory of children with dyslexia.
 - Mpakella, Georgia (2002). Neuropsychological and neurophysiological diagnostic indices of attention deficit-hyperactivity disorder.
 - Tsakou, Aikaterini (2002). Attention deficit-hyperactivity disorder: comparative evaluation of pharmaceutical and psychotherapy intervention.
 - Archonti, Anastasia (2002). The relationship between reading ability and Stroop interference from the point of view of automaticity.
 - Triantafyllakos, Triantafyllos (2002). The discrepancy between intelligence quotient and reading ability in individuals with learning disability in written language.
 - Dimitsantos Evangelos (2001). Psychophysiological assessment of meditational experience.
- Instructor for undergraduate course “introduction to cognitive psychology.” Department of Education of the Aegean University at Rhodes. Fall semester 1999.
- Teaching assistant for CG145 “Research in psycholinguistics” (spring semester 1995), CG123 “The production, perception, and analysis of speech” (fall semester 1994), CG48 “Human thinking and problem solving” (spring semester 1993), and CG1 “Introduction to cognitive science” (fall semester 1992). Brown University, Providence, Rhode Island, USA.
- Undergraduate teaching assistant for “Microcomputers II: Hardware.” Laboratory of Electronics, Department of Physics, University of Patras. Spring semester 1991.
- Certificate of completion from the Center for the Advancement of College Teaching. Brown University, 1992.

Reviewer for journals, conferences, grant proposals

- Registered in the National List of Reviewers (minister decision 4593/265/10-4-2003 pub. 483/B/21-4-2003)
- Journal of Memory and Language (1999); Journal of the Acoustical Society of America (1997–2000, 2007, 2011); Biological Psychiatry (1997); Annual Meeting of the Cognitive Science Society (2000, 2001, 2006, 2007, 2009, 2011, 2012, 2013); Research Promotion Foundation of Cyprus (2000–2006); Psychological Science (2002); Language Learning (2004, 2012); Neuroscience Letters (2005); Reading & Writing (2005, 2008, 2009, 2011, 2012; member of the editorial board since 2013); Psychologia: The Journal of the Hellenic Psychological Society (2006–2012); General Secretariat for Research and Technology, Ministry of Development (2006); Scientific Studies of Reading (2006, 2008, 2009; member of the editorial board since 2010); European Journal of Cognitive Psychology (2007), Acta Psychologica (2008), Behavior Research Methods (2009), Journal of Phonetics (2009), Learning and Individual Differences (2009), Psychonomic Bulletin & Review (2009), Journal of Research in Reading (2010–2012), NSF (National Science Foundation of the U.S.A.; 2010), Vision Research (2011), Writing Systems Research (2011), Dyslexia (2011, 2012), Memory and Cognition (2012, 2013), Journal of Experimental Child Psychology (2012, 2013), PLoS One (2013), Research in Developmental Disabilities (2013).

Lectures and seminars

- *From temporal processing to developmental language disorders: Mind the gap.* Invited lecture at the Royal Society Scientific Discussion Meeting on “Language in developmental and acquired language disorders.” London, June 2013.
- *[The road to incorrect spelling: paved with good intentions?]* Seminar series “Sizitiseis gia to logo”, Neuropsychology Unit of the Department of Neurology, University of Athens. Eginitio Hospital, April 2013.
- *[Effects of mind on the world: The freedom of will as a natural-cognitive phenomenon.]* Annual lecture series of the Department of Philosophy & History of Science. University of Athens, April 2013.
- *[What is and what is not dyslexia.]* Second lecture series on “Language and the Brain” organized by the Division of Linguistics (Department of Philology). University of Athens, March 2013.
- *Greek reading acquisition.* Invited lecture at a workshop of the Netherlands Institute for Advanced Study in the Humanities and Social Sciences on “The cross-linguistic study of reading acquisition.” Wassenaar, The Netherlands, January 2013.

- *Neuroimaging in psycholinguistics: Potential and overstatement*. Invited lecture at the 1st Psycholinguistics Symposium, Department of Philology, University of Patras, June 2012.
- *From linguistics to psychometrics: Adaptation of language development tests*. Invited lecture at the 32nd Annual Meeting of the Department of Linguistics at AUTH. University of Thessaloniki, May 2011.
- *Memory*. Lecture in the open science seminar “Cognitive science: the new science of the mind.” Gutenberg continuing education series. Athens, April 2011.
- *Language: sound and image*. Lecture delivered at the event “Language & Brain: From language acquisition to language disorders” of the Department of Linguistics of the University of Athens and the Center for Society, Science, & Art – CAID. University of Athens, April 2011.
- *The study of mind as machine: Methodological and theoretical issues*. Annual lecture series of the Department of Philosophy & History of Science. University of Athens, April 2011.
- *From diacritics to the mental lexicon: Where is the stress?* Radcliffe workshop on linguistic rhythm and literacy. Harvard University, June 2010.
- *[Looking into the machine of the mind]*. Lecture delivered at the symposium “The search for the equation: Mind, brain, behavior” of the Department of Communication, Media, and Culture of Panteion University and the CAID-Center for Society, Science, & Art. Panteion University, February 2010.
- *[Acoustic analysis of voice]*. ENT Department of Hippokrateion Hospital, Athens, May 2009.
- *A voice assessment protocol for Greek*. Invited presentation at the 2nd Practical Symposium on Voice and Swallowing and their Disorders. Athens Medical Center Congress Hall, Kefalari, March 2009.
- *[What does one learn when one learns to read Greek?]* Invited lecture at an event on “Language and communication disorders in children and adults” organized by the Panhellenic Association of Logopedics as a pre-meeting of the 28th IALP congress. Agricultural Bank Convention Center, Kastri, November 2008.
- *[Acoustic analysis of voice]*. 2nd multidisciplinary workshop on voice, Pezoula, Municipality of Nevropoli Agrafon, July 2008.
- *[Presentation of LAMDA software]*. Invited lecture at an Athena Research Center event on “Digital innovation for the society of knowledge.” Evgenidis Foundation, May 2008.
- *Development of processing written stress diacritics: delayed decoding or precocious sight-word reading?* Psycholinguistic Research Group Seminar Series, Department of Psychology, University of York, UK, March 2008.
- *[Screening software for learning disabilities]*. Continuing education lectures (5 hours) to psychologists and educators. Athens and Thessaloniki, March 2008.
- *[Reading: from images to words]*. Seminar series “Sizitiseis gia to logo”, Neuropsychology Unit of the Department of Neurology, University of Athens. Eginitio Hospital, March 2008.
- *[Brain, genes, and dyslexia]*. Seminar series on learning disabilities organized of the Society for Children and Adolescent Mental Health. Evangelismos Hospital, Athens, January 2007.
- *Implicit learning of a non-native speech contrast*. Speech Group Seminar Series, Research Laboratory of Electronics, Massachusetts Institute of Technology. Cambridge, MA, October 2006.
- *Assessment of difficulties in reading and spelling Greek*. Research workshop on “Written language in transparent orthographies,” San Marino, September 2006.
- *Discriminability and feedback in learning phonetic categories: Old data, new questions*. Speech Research Laboratory, Department of Psychology, Indiana University. July 2005.
- *Reading Greek*. Reading & Language Group. Learning, Research, and Development Center, University of Pittsburgh. March 2005.
- *[The computer in the service of the speech therapist]*. Invited lecture at an event organized by the Technical Higher Education Institute of Epirus, Department of Speech Therapy, on “the role of the speech therapist in contemporary speech therapy.” Ioannina, Greece, May 2003.
- *[Automatic combined indexing of multimedia material to facilitate content-based retrieval]*. Invited lecture at a EUROMAP event on “Language technology: technological innovations and business solutions.” Athens, March 2003.
- *[Technologies for persons with special needs – universal access]*. Invited lecture at a EUROMAP event on “new information processing technologies in public administration.” Athens, May 2002.
- *[Cognitive mechanisms of problem solving]*. Lectures to educators as part of a seminar series organized by the Department of Computer Engineering of the University of Patras. January 2000.
- *[Developmental and acquired language disorders]* (with A. Economou). Guest lecture at the graduate seminar on cognitive science. Department of Methodology, History, and Theory of Science, National University of Athens. November 1999.
- *[Theory and experiment on cognitive processes of reading and dyslexia]*. Lectures to primary and secondary education teachers in several cities of Greece as part of a seminar series organized by the Department of Education of the University of Patras. February–June 1999.
- *[Clinical and educational applications of digital speech signal processing]*. Laboratory of Electronics, Department of Physics, University of Patras. March 1999.

- *Acoustic processing is related to reading and language ability*. Cognitive Psychology Colloquium, Department of Psychology, University of California Santa Cruz. October 1998.
- *Acoustic processing is related to reading and language ability*. Hearing Seminar, Center for Computer Research in Music and Acoustics, Stanford University. June 1998.
- *Syllabic structure and the perception of English*. Speech Group Seminar, International Computer Science Institute, University of California Berkeley. November 1996.

Professional affiliations

Association for Psychological Science (since 2011)
 Society for the Scientific Study of Reading (since 2005; voting member since 2007; board member 2011–2013).
 Hellenic Cognitive Science Society (founding member, 2004; board member 2011–2014).
 Hellenic Psychological Association (since 1999; board member 2013–2015).
 Cognitive Science Society (since 1998).
 American Psychological Association (since 1998).
 Acoustical Society of America (since 1997).
 International Speech Communication Association (1995–2008).
 Hellenic Society for Neuroscience (2001–2007).
 Greek Researchers' Association (2000–2010).
 Behavioral and Brain Sciences Associate (1999).

Research Interests

- Cognitive processes of reading, learning to read, reading disability, literacy assessment.
- Speech perception and production, lexical access, word representations and morphological processes.
- The intersection of implicit learning, perceptual learning, and category learning.
- Neural bases of spoken and written language, connectionist modeling of word recognition.
- Greek orthography and spelling, use of stress diacritics in reading and spelling.
- Acoustic phonetics, perceptual phonetic training for second language learning.
- Computer-based psychoeducational assessment, screening and diagnosis of learning disabilities.

Languages

Greek (native speaker), English (near-native), Spanish (fluent), some German, some French.

Academic honors and awards

Research and teaching assistantships. Brown University 1992–1996.
 Undergraduate student fellowship. Brown University, 1991–1992.
 Annual scholarships from the Hellenic State Scholarship Institute (IKY) 1988–1991.

Extra-curricular

Member, Rafina Sailing Club “Alkyon” (since 2006).
 Founding member, Greek TeX Friends (Greek TeX local users group).
 Founding member, Hellenic Resources Network (HR-Net). Cambridge, MA, 1994–1997.
 Member, Graduate Student Council, Brown University, 1992–1995.