Charalambos (Haris) Themistocleous

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Language, Cognition, Aphasia, NLP, ML

CURRENT APPOINTMENT

Professor of Speech, Language, and Communication **2024 - present**
Department of Special Needs Education
Faculty of Educational Sciences
University of Oslo, Oslo, Norway

PROFESSIONAL EXPERIENCE

- **Associate Professor of Speech, Language, and Communication** **2022 - 2024**
  Department of Special Needs Education
  Faculty of Educational Sciences
  University of Oslo, Oslo, Norway

- **Postdoctoral Researcher of Computational Neurolinguistics**
  Department of Neurology
  Johns Hopkins University, Baltimore MD, USA **2018 - 2022**

- **Postdoctoral Researcher of Computational Linguistics**
  The Centre for Linguistic Theory and Studies in Probability (CLASP)
  Department of Philosophy, Linguistics and Theory of Science (FLOV)
  University of Gothenburg, Sweden **2015 - 2017**

- **Visiting Research Scholar**
  The Seeger Center
  Princeton University
  Princeton NJ, USA **2015**

- **Visiting Lecturer**
  Department of English Studies
  University of Cyprus
  Nicosia, Cyprus **2011 - 2014**

EDUCATION

- **PhD in Linguistics**
  University of Athens
  Thesis Title: *Prosody and Information Structure in Greek*
  Grade: *Summa cum laude* **2007 - 2011**

- **MS in Computational Linguistics**
  University of Skövde, Sweden **2007 - 2008**

- **MA in Applied Linguistics**
  University of Athens, Greece
  Thesis Title: *A multifactorial analysis of discourse turn in conversations*
  Grade: *Summa cum laude* **2005 - 2007**

- **BA in Philology (Linguistics)**
  University of Athens, Athens, Greece
  Grade: *Summa cum laude & Valedictorian topping the BA Philology program* **2000 - 2004**

TRAINING

RESEARCH TRAINING

1. **MRI - Functional Connectivity - Conn Toolbox**:
   Martinos Center for Biomedical Imaging.
   Harvard University

2. **MRI - Anatomical Analysis - MRICloud - DTI analysis, rs - fMRI analysis, ASL analysis**.
   Johns Hopkins University

3. **EEG Analysis - Foundations of EEG: Theory, Hardware and Application Principles**.
   Brain Products Academy

PEDAGOGICAL TRAINING

1. **University of Oslo**
   University Pedagogy Course **2023 - 2024**

   (a) **University Pedagogy Course**
   Development work for university pedagogy 18 - UPED - LEAD 24V **2024**

   (b) **University Pedagogy Course**
   Research Supervision 18 - UPED - RESS 23V
   Universitetspedagogisk basiskompetanse **2023**

   (c) **Teaching and Learning in Higher Education**
   Introductory module (120) **2023**

2. **University of Athens - MA Pedagogy Courses**
   Modern Greek Language Teaching (MA Studies) **2006**
   Teaching Modern Greek as a Foreign Language (MA Studies) **2006**

3. **University of Athens - BA Pedagogy Courses**
   General and Special Teaching **2004**
   Pedagogical Psychology **2004**
   Introduction to Developmental Psychology I **2003**
   Group Dynamics - Psychology **2003**
   Introduction to Pedagogy I **2002**
   Introduction to Developmental Psychology II **2001**

UNIVERSITY ENVIRONMENT TRAINING

1. *Research Ethics Courses:*

   (a) UV9010 – Research Ethics (as a Teacher)
   University of Oslo **2023 - 2024**

   (b) Research Integrity Training H24
   University of Oslo **2024**

2. *HIPAA Courses:*

   (a) **Electronic Information Security and Data Management Training**
   Johns Hopkins University, School of Medicine,Baltimore MD, USA **2018 - 2022**

   (b) **Patient Privacy for Workforce Members**
   Johns Hopkins University, School of Medicine, Baltimore MD, USA **2018 - 2022**

   (c) **Health Insurance Portability and Accountability Act (HIPAA) for Research**
   Johns Hopkins University, School of Medicine, Baltimore MD, USA **2018 - 2021**

3. *Additional Courses:*

   (a) **California Specific Title IX and Harassment Prevention Training**
   Johns Hopkins University, School of Medicine, Baltimore MD, USA **2018 - 2021**

   (b) **Conflict of Interest and Commitment,**
   Johns Hopkins University, School of Medicine, Baltimore MD, USA **2018 - 2021**

   (c) **Preparing for an Active Shooter in the Clinical and Non-clinical Environment**
   Johns Hopkins University, School of Medicine, Baltimore MD, USA **2018 - 2021**

   (d) **Title IX and Harassment Prevention Training**
   Johns Hopkins University, School of Medicine, Baltimore MD, USA **2018 - 2021**

   (e) **Toward an Inclusive Culture: Acting against Disrespect & Bias**
   Johns Hopkins University, School of Medicine **2022**

   (f) **Compliance Basics**
   Johns Hopkins University, School of Medicine **2022**

   (g) **Fire, Hazard Communication and Construction Safety,**
   Johns Hopkins University, School of Medicine **2022**

   (h) **Preparing for an Active Assailant in the Clinical & Non-Clinical Environment**
   Johns Hopkins University, School of Medicine **2022**

(i) **Best Practices When Utilizing Language Services**
Johns Hopkins University, School of Medicine **2022**

(j) **What Can You Do to Prevent the Spread of Infectious Diseases?**
Johns HopkinsUniversity, Health System **2022**

GRANTS

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1. **Role: Participant - Co-Proposer**
University of Gothenburg **2023–2026**. AI-driven language biomarkers for early detection and progression of cognitive decline. https://www.gu.se/en/news/ai-driven-language-biomarkers-for-early-detection-and-progression-of-cognitive-decline

   (a) Title: AI-driven language biomarkers for early detection and progression of cognitive decline.

   (b) Project 2026-2031 - VR (Principal Investigator: Dr. Dimitrios Kokkinakis)

2. **Role: Postdoctoral Research Fellow**
Department of Neurology, Johns Hopkins University **2018 - 2022**

   (a) Research Project Title: **Effects of transcranial direct current stimulation (tDCS) in oral and written production in primary progressive aphasia (PPA)**

   (b) NIH/NIDCD Grant R01 DC014475 (PI: Tsapkini)

3. **Role: Member of the research group and Co-proposer**
Center for Multilingualism in Society across the Lifespan
University of Oslo **2019–2023**

   (a) Title: Morphosyntactic Production in Stroke-induced Agrammatic Aphasia: A Cross-linguistic Machine Learning Approach

   (b) 48-month Project 287745 - FRIPRO (FRIHUMSAM)
   Research Council of Norway
   (Principal Investigator: Dr. Valantis Fyndanis)

4. **Role: Postdoctoral Research Fellow**
Department of Neurology, Johns Hopkins University **2018 - Present**

   (a) Research Project Title: **Transcranial direct current stimulation (tDCS) in typical and atypical Alzheimer's Disease**

   (b) NIH/NIA Grant R01 AG068881 (PI: Tsapkini)

5. **Role: Researcher**
Centre for Linguistic Theory and Studies in Probability (CLASP)
University of Gothenburg **2015 - 2018**

   (a) Research project: **Linguistic and extra-linguistic parameters for early detection of cognitive impairment**

   (b) Grant from the ``Riksbankens Jubileumsfond''
   The Swedish Foundation for Humanities and Social Sciences
   Grant agreement no: NHS 14 - 1761:1, **2016 - 2019**
   (Principal Investigator: Dr. Dimitrios Kokkinakis)

6. **Role: Principal Investigator**
   The Seeger Center at Princeton University **2015**

   (a) Title: **Prosodic Variation and Prosodic Change: Evidence from Greek**
   (Grant Awarded by Princeton University)

7. **Researcher**
   Department of English Studies, University of Cyprus **2014**

   (a) Project Title: **Statistics & Methods**
   (Project Supervisor: Dr. Kleanthes Grohmann)

8. **Researcher**
   Cyprus Ministry of Education and Culture **2014**

   (a) Project Title: **Recording, preserving and reviving Cypriot Maronite Arabic**
   (Principal Investigator: Dr. Marilena Karyolemou)

9. **Researcher**
   Department of Classics, University of Cyprus **2009 - 2011**

   (a) Project Title: **Language and Style in the Speeches of Thucydides**
   (Project Supervisor: Dr. Antonis Tsakmakis)
   Funded by Anastasios G. Leventis Foundation

10. **Researcher**
    Academy of Athens **2006 - 2007**

    (a) Project Title: **Utilitarian Dictionary of Modern Greek**
    (Principal Investigator: Dr. Christophoros Charalampakis)
    Academy of Athens https://christikolexiko.academyofathens.gr

11. **Researcher**
    Grant from ``Kapodistrias 2007" and ``Kapodistrias 2008"
    University of Athens **2008**

12. **Erasmus Program - Computational Linguistics**
    University of Skövde **2007**

HONORS AND AWARDS

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1. **Google Cloud Research Credits Program** a Google Cloud to support academic researchers, faculty, and research institutions by providing cloud computing credits to advance research projects using Google Cloud Platform (GCP) services. **2026**

2. **Sigma Xi, The Scientific Research Honor Society**
   (Full Regular Member, Nominated) **2021**

3. **Visiting Research Scholar**
   The Seeger Center at Princeton University, Princeton University **2015**

4. **Summa cum laude, PhD in Linguistics**
   National and Kapodistrian University of Athens **2007 - 2011**
5. **Summa cum laude, MA in Applied Linguistics**
   National and Kapodistrian University of Athens **2005 - 2007**
6. **Graduated Summa Cum Laude and Valedictorian from the School of Philosophy, topping the BA Philology program**
   National and Kapodistrian University of Athens **2000 - 2004**
7. **Scholarship of Excellence (equivalent to NIH F31)**
   PhD research, Alexander S. Onassis Foundation **2007 - 2011**
8. **Scholarship of Excellence (equivalent to NIH F31)**
   PhD research, Cyprus State Scholarships Foundation **2007 - 2011**
9. **Scholarship of Excellence (equivalent to NIH F31)**
   MA studies, Alexander S. Onassis Foundation **2005 - 2007**
10. **Scholarship of Excellence (equivalent to NIH F31)**
    MA studies, Cyprus State Scholarships Foundation **2005 - 2007**
11. **Scholarship of Excellence (equivalent to NIH F31)**
    Undergraduate studies, Cyprus State Scholarships Foundation **2000 - 2004**

PUBLICATIONS

BOOKS AND EDITED VOLUMES

1. **Themistocleous Charalambos** (2015). Experimental Design and Statistics in Linguistics. Using R (In Greek). Athens: Ion. ISBN: 978 - 960 - 508 - 187 - 4. http://www.iwn.gr/product.asp?catid=17589
2. Fragaki Georgia, Georgakopoulos Athanasios, **Themistocleous Charalambos** (Eds) (2012). *Current Trends in Greek Linguistics.* Newcastle upon Tyne: Cambridge Scholars Publishing. ISBN - 10: 1443840254, ISBN - 13: 978 - 1443840255.

JOURNAL ARTICLES

1. Themistocleous, C., Stark, B.C. (2026) Language biomarker screening using AI: a transdiagnostic approach to brain. *Scientific Reports* (2026). https://doi.org/10.1038/s41598-025-34257-z
2. Andreou, Maria, **Themistocleous Charalambos**, & Peristeri, Eleni (2026). Integrating artificial intelligence and natural language processing to investigate lexical errors in autistic preschoolers. Research in Autism, 130, 202771. https://doi.org/https://doi.org/10.1016/j.reia.2025.202771
3. **Themistocleous Charalambos**, Andreou, Maria, and Peristeri, Eleni (2025). A Systematic Review of the Effects of Autism on Narrative Performance. PsyArXiv. https://doi.org/https://doi.org/10.31234/osf.io/a97xv_v1

4. Stark, Brielle, and **Themistocleous Charalambos** (2025). Normative Clinical Language Data and Task Specific Effects. SSNR. https://doi.org/http://dx.doi.org/10.2139/ssrn.5462596

5. **Themistocleous Charalambos**, and Stark, Brielle (2025). Automatic screening and characterization of patients with acquired neurological conditions from language. medRxiv, 2025.2008.2028.25334096. https://doi.org/10.1101/2025.08.28.25334096

6. Tippett, Donna, Surrao, Katelyn, Neophytou, Kyriaki, Gallegos, Jessica, **Themistocleous Charalambos**, Rapp, Brenda,Hillis, Argye, Tsapkini, Kyrana (2025). Written picture descriptions distinguish variants of primary progressive aphasia. *Journal of Alzheimer's Disease.* https://doi.org/10.1177/13872877251376381

7. **Themistocleous Charalambos** (2025). Linguistic and Emotional Prosody: A Systematic Review and ALE Meta-Analysis. *Neuroscience & Biobehavioral Reviews*, 106210. https://doi.org/https://doi.org/10.1016/j.neubiorev.2025.106210.

8. **Themistocleous Charalambos** (2024). Open Brain AI and language assessment. *Frontiers in Human Neuroscience*, 18. https://doi.org/10.3389/fnhum.2024.1421435

9. Kim, Hana., Hillis, Argye E., & **Themistocleous Charalambos** (2024). Machine Learning Classification of Patients with Amnestic Mild Cognitive Impairment and Non-Amnestic Mild Cognitive Impairment from Written Picture Description Tasks. *Brain Sciences*, 14(7).https://mdpi-res.com/d_attachment/brainsci/brainsci-14-00652/article_deploy/brainsci-14-00652.pdf?version=1719476290

10. **Themistocleous Charalambos**, Andreou Maria, Peristeri Eleni (2024). Autism detection in children: Integrating Machine Learning and Natural Language Processing in Narrative Analysis. *Behavioral Sciences*, 14(6), 459-475; https://doi.org/10.3390/bs14060459

11. Stark, Brielle C., Bryant, Lucy, **Themistocleous Charalambos**, den Ouden, Dirk - Bart, & Roberts, Angela C. (2023). Best practice guidelines for reporting spoken discourse in aphasia and neurogenic communication disorders. *Aphasiology*, 1 - 24. https://doi.org/10.1080/02687038.2022.2039372

12. **Themistocleous Charalambos**, Fyndanis, Valantis, & Tsapkini, Kyrana. (2022). Sonorant spectra and coarticulation distinguish speakers with different dialects. *Speech Communication*. https://doi.org/10.1016/j.specom.2022.06.002. (Pre - print: **Themistocleous Charalambos**, Fyndanis, Valantis, & Tsapkini, Kyrana (2021). Sonorant spectra and coarticulation distinguish speakers with different dialects. arXiv:2110.03756. https://arxiv.org/abs/2110.03756).

13. Afthinos, Afthinos, **Themistocleous Charalambos**, Herrmann, Olivia, Fan, Hongli, Lu, Hanzhang, & Tsapkini, Kyrana (2022). The Contribution of Working Memory Areas to Verbal Learning and Recall in Primary Progressive Aphasia. *Frontiers in Neurology*, 13. https://doi.org/10.3389/fneur.2022.698200

14. **Themistocleous Charalambos**, Webster Kimberly, Tsapkini, Kyrana (2021). Effects of tDCS on Sound Duration in Patients with Apraxia of Speech in Primary Progressive Aphasia. *Brain Sciences*, 11(3). https://doi.org/10.3390/brainsci11030335. (A preprint version can be found in Preprints 2021, 2021010005 https://doi.org/10.20944/preprints202101.0005.v1).

15. **Themistocleous Charalambos**, Bronte Ficek, Kimberly Webster, Dirk - Bart den Ouden, Argye E. Hillis, Kyrana Tsapkini (2021). Automatic subtyping of individuals with Primary Progressive Aphasia. *Journal of Alzheimer's Disease*, https://doi.org/10.3233/JAD-201101.

16. **Themistocleous Charalambos**, Kyriaci Neophytou, Brenda Rapp, Tsapkini Kyrana (2020). Automatic metrics of spelling errors on words and non - words. *Journal of Speech, Language, and Hearing Research*. https://doi.org/10.1044/2020_JSLHR-20-00177.

17. **Themistocleous Charalambos**, Webster Kimberly, Afthinos Alexandros, & Tsapkini Kyrana (2020). Part of Speech Production in Patients With Primary Progressive Aphasia: An Analysis Based on Natural Language Processing. *American Journal of Speech - Language Pathology*, 1 - 15. https://doi.org/10.1044/2020_AJSLP-19-00114.

18. **Themistocleous Charalambos**, Eckeström, Marie, Kokkinanis Dimitrios (2020). Voice quality and speech fluency distinguish individuals with Mild Cognitive Impairment from Healthy Controls *PLOS one* 15(7), e0236009. https://doi.org/10.1371/journal.pone.0236009.

19. Stark Brielle C., Dutta Manaswita, Murray Laura, Bryant Lucy, Fromm Davida; MacWhinney Brian, Ramage Amy, Simmons - Mackie Nina, Roberts Angela, Fergadiotis Gerasimos, den Ouden Dirk, Brock Kris, McKinney - Bock Katy, Jin Paek Eun, Harmon Tyson, **Themistocleous Charalambos**, Yoo Hyunsoo, On Yoon Si, Sharma Saryu, Aveni Katharine, Gutierrez Stephanie, Doppelbauer Lea, Dawn Bunker Lisa (2020). Standardizing assessment of spoken discourse in aphasia: A working group with deliverables. *American Journal of Speech - Language Pathology*. 1–12 https://doi.org/10.1044/2020_AJSLP-19-00093 (a preprint version exists in PsyArXiv. October 3. doi:10.31234/osf.io/e6r3x.)

20. Georgiou George and **Themistocleous Charalambos** (2020). Vowel learning in diglossic settings: Evidence from Arabic - Greek learners. *International Journal of Bilingualism*. https://journals.sagepub.com/doi/10.1177/1367006920945396.

21. **Themistocleous Charalambos** (2019). Dialect classification from a single sonorant sound using Deep Neural Networks. *Frontiers in Communication*. https://doi.org/10.3389/fcomm.2019.00064.

22. Fyndanis Valantis and **Themistocleous Charalambos** (2019). Are there prototypical associations between time frames and aspectual values? Evidence from Greek aphasia and healthy ageing, *Clinical Linguistics and Phonetics*, DOI: 10.1080/02699206.2018.1480657.

23. **Themistocleous Charalambos**, Eckerström Marie, and Dimitrios Kokkinakis (2018). Identification of Mild Cognitive Impairment from Speech in Swedish using Deep Sequential Neural Networks. *Frontiers in Neurology* 9, 975. URL: https://www.frontiersin.org/article/10.3389/fneur.2018.00975.

24. **Themistocleous Charalambos** (2017). Effects of two linguistically proximal varieties on the spectral and coarticulatory properties of fricatives: Evidence from Athenian Greek and Cypriot Greek. *Frontiers in Psychology*. DOI: 10.3389/fpsyg.2017.01945

25. **Themistocleous Charalambos** (2017). Dialect classification using vowel acoustic parameters. *Speech Communication* 92, 13 - 22. DOI: 10.1016/j.specom.2017.05.003.

26. Grohmann Kleanthes, Papadopoulou Elena and **Themistocleous Charalambos** (2017). Acquiring Clitic Placement in Bilectal Settings: Interactions between Social Factors. *Frontiers in Communication* 2:5. doi: 10.3389/fcomm.2017.00005.

27. **Themistocleous Charalambos** (2017). The Nature of Phonetic Gradience across a Dialect Continuum: Evidence from Modern Greek Vowels. *Phonetica* 74, 157 - 172. PMID: 28268213, DOI: 10.1159/000450554.

28. **Themistocleous Charalambos** (2016). Seeking an anchorage: Evidence from the tonal alignment of the Cypriot Greek prenuclear pitch accent. *Language and Speech*, 59(4):433 - 461, DOI: 10.1177/0023830915614602.

29. **Themistocleous Charalambos** (2016). The bursts of stops can convey dialectal information. *Journal of the Acoustical Society of America EL* 140(4), EL334 - EL340. http://dx.doi.org/10.1121/1.4964818.

30. **Themistocleous Charalambos** (2014). Edge - Tone Effects and Prosodic Domain Effects on Final Lengthening. *Linguistic Variation* 14(1). 129–160. DOI: 10.1075/lv.14.1.06the.

BOOK CHAPTERS

1. **Themistocleous Charalambos** (2023). Discourse and Conversation Impairments in Patients with Dementia. In: Kong, A.PH. (eds) Spoken Discourse Impairments in the Neurogenic Populations. Springer, Cham. https://doi.org/10.1007/978-3-031-45190-4_3

2. **Themistocleous Charalambos** (2016). Sextus Empiricus Adversus Grammaticos and the debate Ideal Language vs. Language Variation. *Stasinos* 7, 145 - 152.

3. Armostis, Spyros, Kyriaci Christodoulou, Marianna, Katsoyannou, and **Charalambos Themistocleous** (2014). *Addressing writing system issues in dialectal lexicography: the case of Cypriot Greek*. In Granadillo, Tania (Eds). Dialogue on Dialect Standardization (pp. 23 - 38). Newcastle upon Tyne: Cambridge Scholars Publishing.

4. **Themistocleous Charalambos** (2014). Modern Greek Prosody. Speech melody in communication (Prosodia tis Neas Ellinikis. I axiopoiisi tis melodias tis fonis stin epikoinonia). *Stasinos* 6. 319 - 344.

5. Tsakmakis, Antonis and **Themistocleous Charalambos** (2013). *Textual Structure and Modality in Thucydides' Military Exhortations.* In A. Tsakmakis and M. Tamiolaki (Eds). Thucydides Between History and Literature (pp. 391 - 408). Berlin, Walter de Gruyter.

6. Melissaropoulou, Dimitra, **Themistocleous Charalambos**, Tsiplakou, Stavroula, and Tsolakidis, Symeon (2013). *The Present Perfect in Cypriot Greek revisited*. In Peter Auer, J. C. Reina & G. Kaufmann (Eds.), Language Variation - European Perspectives IV: Selected papers from the Sixth International Conference on Language Variation in Europe (ICLaVE 6), Freiburg, June 2011 (pp. 159 - 172). Amsterdam: John Benjamins.

7. **Themistocleous Charalambos** (2012). *Meaning and Form in the Tonal Representation*. In Fragaki, Georgia, Georgakopoulos, Athanasios, **Themistocleous, Charalambos** (Eds). Current Trends in Greek Linguistics (pp. 271 - 289). Cambridge: Cambridge Scholars Publishing.

8. **Themistocleous Charalambos** (2012). *Cypriot Greek Nuclear Pitch Accents (Ta pirinika tonika ipsi tis kypriakis ellinikis).* In Z. Gavriilidou, A. Efthymiou, E. Thomadaki & P. Kambakis - Vougiouklis (eds), 2012, Selected papers of the 10th ICGL, pp. 796 - 805. Komotini/Greece: Democritus University of Thrace.

CONFERENCE PAPERS

1. Themistocleous, C., Protopapas A., Stark, B. C., Neophytou K. (2026). Quantifying the Predictive Brain in Aphasia: Information-Theoretic Metrics as Digital Biomarkers for Aphasia Severity. 2026 Academy of Aphasia Annual Meeting. University of Liège, Belgium

2. Themistocleous, C., Stark, B. C. (2026). Language biomarker screening using AI: a trans-diagnostic approach to the brain. Kokkinakis et al. The Sixth Workshop on Resources and ProcessIng of linguistic, para-linguistic and extra-linguistic Data from people with various forms of cognitive/psychiatric/developmental impairments (RaPID@MENTAL.ai) @ LREC 2026. Palma di Malliorca, Spain, 2026.

3. Nerantzini, M., Themistocleous, Ch., Kim, S.-Y., & Varlokosta, S. (2025). Narrative skills in healthy ageing; a data-driven approach to an early identification of apathy and linguistic decline in order adults. Evidence from Greek, American-English and Korean. SoA 2025: Science of Aphasia, September 15-18, Copenhagen, Denmark.

4. Varlokosta, S., Dechounioti, V., Markopoulos, G., Karasimos, A., Stamouli, S., Pantoula, K., Economou, A., Themistocleous, Ch., & Nerantzini, M. (2025). Investing disfluency patterns in People with Aphasia: Evidence from Greek. SoA 2025: Science of Aphasia, September 15-18, Copenhagen, Denmark.

5. Nerantzini, M., Themistocleous, Ch., & Varlokosta, S. (2025). Narrative skills in healthy ageing; an automatic detection of apathy and linguistic decline in elderly adults. Evidence from Greek. 1st Scientific Psychiatric Symposium, November 27-30, Ioannina, Greece.

6. **(Best Poster Award)** Hana Kim and **Charalambos Themistocleous** (2025). Identifying Key Handwriting Features for Early Detection and Monitoring of Dementia. the International Conference of the Korean Dementia Association 2025 & 19th international Congress of the Asian Society Against Dementia (IC-KDA & ASAD 2025). Seoul, Korea

7. Hana Kim and **Charalambos Themistocleous** (2024). Automated classification of mild cognitive impairment from writing: A natural language processing approach. Clinical Aphasiology Conference 2024 Marriott Waikoloa, the Big Island of Hawai'i, Waikoloa Beach, HI, USA.

8. Katelyn Surrao, Hana Kim, Jessica Gallegos, Kyriaki Neophytou, **Charalambos Themistocleous**, Argye Hillis, Kyrana Tsapkini, Donna C. Tippett. Written Picture Descriptions Distinguish Variants of Primary Progressive Aphasia. The 2024 ASHA Convention, December 5–7, 2024 Seattle, Washington.

9. **Themistocleous Charalambos** (2024). Open Brain AI. Automatic Language Assessment. The 2024 Joint RaPID Workshop - International Conference on Computational Linguistics, Language Resources and Evaluation. Torino, Italy 20-25 May, 2024.

10. **Themistocleous Charalambos** (2024). Open Brain AI: Computational Infrastructure for Researchers, Clinicians, and Educators *HUMINFRA (HiC - 2024) Workshop Proceedings (https://spraakbanken.gu.se/hic - 2024), Gothenburg, Sweden.*, 21 - 23 October, 2023, Reading, England.

11. **Themistocleous Charalambos** (2023). Open Brain AI. *Academy of Aphasia 61st Annual Meeting*, 21 - 23 October, 2023, Reading, England. Sundstrom Simon and **Charalambos Themistocleous**. Phonology Scores in Swedish - speaking children with Developmental Language Disorder. *ExLing Athens 2023*, Athens Greece.

12. **Themistocleous Charalambos** (2023). Large Language Models in Aphasia. *ExLing Athens 2023*, Athens Greece.

13. Simon Sundström and **Themistocleous Charalambos** (2023). Phonological errors in Swedish - speaking children with Developmental Language Disorders. *ExLing Athens 2023*, Athens Greece.

14. **Themistocleous Charalambos**, Ficek, Bronte, Webster, Kimberly, & Tsapkini, Kyrana (2022). *tDCS reduces phonological errors in patients with primary progressive aphasia 60th Annual Academy of Aphasia Meeting*, 23 - 25 October, 2022, Philadelphia.

15. **Charalambos Themistocleous**, Alexandros Afthinos, Olivia Hermann, Fan Hongli, Hanzhang Lu and Kyrana Tsapkini (2021). Brain Perfusion and Neurocognitive Tasks in Patients with Primary Progressive Aphasia. *Academy of Aphasia 59th Annual Meeting* 24 - 26 October, 2021, Online.

16. Olivia Herrmann, Alexandros Afthinos, **Charalambos Themistocleous**, Hongli Fan, Hanzhang Lu and Kyrana Tsapkini (2021). Brain areas that mediate sentence comprehension in primary progressive aphasia: Evidence from perfusion imaging. *Academy of Aphasia 59th Annual Meeting*, 24 - 26 October, 2021, Online.

17. Lucy Bryant, Angela Roberts, **Charalambos Themistocleous**, Dirk den Ouden and Brielle Stark (2021). Best practices for reporting of discourse analysis. *Academy of Aphasia 59th Annual Meeting* 24 - 26 October, 2021, Online.

18. **Themistocleous Charalambos**, Eckerström Marie, and Kokkinakis Dimitris (2020). Automated speech analysis enables MCI diagnosis. *Proceedings of the 11th Tutorial & Research Workshop on Experimental Linguistics 2020 (ExLing2020)*, 12 - 14 October 2020, Athens, Greece.

19. **Themistocleous Charalambos**, Webster Kimberly T., Ficek Bronte, Tsapkini Kyrana (2020). Effects of tDCS on apraxia of speech in non - fluent variant of Primary Progressive Aphasia. Philadelphia (Presented On - line due to COVID19 pandemic).

20. Neophytou Kyriaki, **Themistocleous Charalambos**, Brenda Rapp, Tsapkini Kyrana (2020). A tool for automatic scoring of spelling. Academy of Aphasia 2020. Philadelphia (Presented On - line due to COVID19 pandemic).

21. **Themistocleous Charalambos**, Eckerström Marie, Lundholm Fors Kristina, and Kokkinakis Dimitris (2020). Improving the Diagnosis of Mild Cognitive Impairment in elderly individuals using a multifactorial automatic analysis of voice quality and prosody. 30th Alzheimer Europe Conference ``Building bridges''. 20 - 22 October 2020.

22. **Themistocleous Charalambos**, Eckerström Marie, and Kokkinakis Dimitris (2020). Automatic analysis of voice quality and prosody in patients with Mild Cognitive Impairment. The Society for the Neurobiology of Language Symbosium (SNL 2020). October 21 – 24, 2020.

23. **Themistocleous Charalambos**, Webster Kimberly T., Ficek Bronte, Tsapkini Kyrana (2019). Morphosyntactic measures of PPA variants using computational grammars. 49th Clinical Aphasiology Conference 2019 (CAC 2019) Whitefish, Montana, Tuesday, May 28, 2019 - Saturday, June 1, 2019.

24. **Themistocleous Charalambos** and Dimitrios Kokkinakis (2019). Speech Analysis and Mild Cognitive Impairment Detection. *Proceedings of the 10th Tutorial & Research Workshop on Experimental Linguistics (ExLing2019)*, September 25 - 27, 2019 Lisbon, Portugal, 113 - 116.

25. Kokkinakis, Dimitrios, Lundholm Fors, Kristina, Fraser, Katie, Eckerström, Marie, Horn, Greta, and **Themistocleous Charalambos** (2019). A multifaceted corpus for the study of cognitive decline in a swedish population. In CLARe4 : Corpora for Language and Aging Research, 27 February - 1 March 2019, Helsinki, Finland.

26. **Themistocleous Charalambos**, Ficek Bronte, Theresa Webster Kimberly, Wendt Haley, Elizabeth Hillis Argye, Den Ouden Dirk Bart, and Tsapkini Kyrana (2018). Acoustic markers of PPA variants using machine learning. *Academy of Aphasia 56th Annual Meeting*, October 21 - 23, 2018 Montreal, Canada. *Frontiers in Neuroscience*. doi: 10.3389/conf.fnhum.2018.228.00092.

27. Fyndanis Valantis and **Themistocleous Charalambos** (2018). Morphosyntactic production in agrammatic aphasia: A cross - linguistic machine learning approach. *Academy of Aphasia 56th Annual Meeting*, October 21 - 23, 2018 Montreal, Canada. *Frontiers in Neuroscience*. doi: 10.3389/conf.fnhum.2018.228.00075.

28. Neophytou Kyriaki, **Themistocleous Charalambos**, Wiley Robert, Tsapkini Kyrana and Rapp Brenta (2018). Understanding and classifying the different variants of Primary Progressive Aphasia based on spelling performance. Frontiers Hum. Neurosci. Conference Abstract: Academy of Aphasia 56th Annual Meeting. doi: 10.3389/conf.fnhum.2018.228.00001

29. **Themistocleous Charalambos**, Ficek Bronte, Webster Kimberly, Wendt Haley, Hillis Argye E., den Ouden Dirk - Bart, and Tsapkini Kyrana (2018). A classification study of the variants of Primary Progressive Aphasia using Machine Learning. *Clinical Aphasiology Conference, CAC 2018*, Austin, Texas USA.

30. **Themistocleous Charalambos**, Kokkinakis Dimitrios, Marie Eckerström, Kathleen Fraser, and Kristina Lundholm Fors (2018). Effects of Cognitive Impairment on vowel duration. *Proceedings of the 9th Tutorial & Research Workshop on Experimental Linguistics (ExLing2018) 28 - 30 August 2018 Paris, France*, 113 - 116.

31. **Themistocleous Charalambos** and Kokkinakis Dimitrios (2018). THEMIS - SV: Automatic classification of language disorders from speech signals. *ESOC 2018: European Stroke Organisation Conference, Gothenburg*.

32. den Ouden Dirk B., Hutchinson Angelica, Tsapkini Kyrana, and **Themistocleous Charalambos** (2018). Comparison of Automated Methods for Vowel Segmentation and Extraction of Acoustic Variables. *Clinical Aphasiology Conference, CAC 2018*, Austin, Texas USA.

33. Fraser Kathleen C., Lundholm Fors Kristina, Eckerström Marie, **Themistocleous Charalambos**, and Kokkinakis Dimitrios (2018). Improving the Sensitivity and Specificity of MCI Screening with Linguistic Information. *Language Resources and Evaluation Conference, (LREC)*. May 2018, Miyazaki (Japan).

34. Lundholm Fors Kristina, Fraser Kathleen C., **Themistocleous Charalambos**, and Kokkinakis Dimitrios (2018). Prosodic Features As Potential Markers of Linguistic and Cognitive Deterioration in Mild Cognitive Impairment. The Alzheimer's Association International Conference 2018. Chicago, USA. Alzheimer's & Dementia, 14 - 7: P1195 - P1196. ISSN 1552 - 5260 https://doi.org/10.1016/j.jalz.2018.06.1658.

35. Angelopoulou Georgia, Swathi Kiran, Kasselimis Dimitrios, Varkanitsa Maria, Erin Meier, Yue Pan, Tsolakopoulos Dimitrios, **Themistocleous Charalambos**, Vassilopoulou Sofia, Korompoki Eleni, Tountopoulou Argyro, Papageorgiou Georgios, Goutsos Dionysis, Evdokimidis Ioannis, and Potagas Constantin (2018). Pause patterns and speech errors in stroke patients with aphasia: cross - linguistic evidence from narrative speech. *Clinical Aphasiology Conference, CAC 2018*, Austin, Texas USA.

36. Fyndanis Valantis, Cameron Sarah, Caplan David, Davril Christina, Hagen Kaldhol Nina, Knoph Monica, Gram Simonsen Hanne, Theimann Ane, **Themistocleous Charalambos**, and Thomas Bak. (2018). The impact of successive bi - /multilingualism on the cognitive abilities of healthy older speakers: Evidence from Norwegian academics. *10th Annual Meeting of the Society for the Neurobiology of Language*. Toronto Kanada.

37. Angelopoulou Georgia, Kiran Swathi, Kasselimis Dimitrios, Varkanitsa Maria, Meier Erin L., Pan Yue, Tsolakopoulos Dimitrios, **Themistocleous Charalambos**, Vassilopoulou Sofia, Korompoki Eleni, Tountopoulou Argyro, Papageorgiou Georgios, Roussos Petros, Goutsos Dionysis, Evdokimidis Ioannis, and Potagas Constantin (2018). Unsuccessful word retrieval in stroke patients with aphasia: cross - linguistic evidence from connected speech. European Stroke Conference - ESC, 2018. Athens, Greece.

38. Kokkinakis Dimitrios, Kristina Lundholm Fors, Eckerström Marie, and **Themistocleous Charalambos**. (2018). Kan textforskning bidra till tidigare och säkrare demensdiagnostik? Forum för textforskning (FoT) 13. Lund, Sweden (in Swedish)

39. Fyndanis Valantis, **Themistocleous Charalambos**, and Christidou Paraskevi (2017). Time reference and aspect in agrammatic aphasia: Evidence from Greek. Academy of Aphasia. 55th Annual Meeting November 5 - 7th, 2017 Baltimore, Maryland, USA. *Frontiers in Human Neuroscience*. doi:10.3389/conf.fnhum.2017.223.00080.

40. Bernardy, Jean - Philippe, and **Themistocleous Charalambos** (2017). Modelling prosodic structure using Artificial Neural Networks. *Experimental Linguistics 2017*. 17 - 20. https://arxiv.org/abs/1706.03952.

41. Fyndanis, Valantis, **Themistocleous Charalambos**, and Christidou Paraskevi (2017). Time reference and aspect in agrammatic aphasia: Evidence from Greek. Academy of Aphasia. 55th Annual Meeting November 5 - 7th, 2017 Baltimore, Maryland, USA. (Conference Presentation).

42. Georgia Angelopoulou, Kasselimis Dimitrios, Varkanitsa Maria, Fotiadis Panagiotis, **Themistocleous Charalambos**, Tsolakopoulos Dimitrios, Grillou Christally, Christidi Foteini, Karavasilis Efstratios, Argiropoulos George, Velonakis George, Karanassou Sofia, Nikitopoulou Zoi, Roussos Petros, Goutsos Dionysios, Kelekis Nikolaos, Evdokimidis Ioannis, and Potagas Constantin (2017). Effects of cortical thickness on pause duration in neurotypical adults' speech: Evidence for the role of the left middle temporal gyrus in lexical retrieval. Society for the Neurobiology of Language 2017. November 8 - 10 in Baltimore, Maryland. (Conference Presentation).

43. Anastasi Eva, Logotheti Ageliki, Panayiotou Stavri, Serafim Marilena, and **Themistocleous Charalambos** (2017). *A sociophonetic study of Standard Modern Greek and Cypriot Greek Stop Consonants*. 12th International Conference on Greek Linguistics (ICGL12), 16 - 19 September 2015. Freie Universität Berlin, Germany.

44. **Themistocleous Charalambos**, Angelandria Savva, and Andrie Aristodemou (2016). Effects of stress on fricatives: Evidence from Standard Modern Greek, 1026 - 1029. *Interspeech 2016*. http://dx.doi.org/10.21437/Interspeech.2016 - 1057.

45. **Themistocleous Charlambos** & Angeliki Logotheti (2016). Standard Modern Greek and Cypriot Greek vowels: a sociophonetic study. *Modern Greek Dialects and Linguistics Theory* 6 (1), 178 - 184. http://ejupunescochair.lis.upatras.gr/index.php/mgdlt/article/view/2684.

46. **Themistocleous Charalambos** and Müller, Daniela (2015). The intonation of Albanian polar questions and statements: Prefocal Peaks. *6th International Conference of Experimental Linguistics. ExLing 2015. 26 - 27 June 2015*. Athens, Greece.

47. Aristodemou, Andrie, Savva, Angelandria, **Themistocleous Charalambos** (2015). The Acoustics of Cypriot Greek Fricatives. *6th International Conference of Experimental Linguistics. ExLing 2015. 26 - 27 June 2015*. Athens, Greece.

48. **Themistocleous Charalambos** and Papadopoulou Lena (2014). *Prenuclear pitch accents alignment: evidence from typical vs. atypical pre - school children.* 5th International Conference on Language Disorders in Greek (LDG5) Limassol, Cyprus, on the 30th and the 31st of May 2014 (Conference Presentation).

49. **Themistocleous Charalambos** and Angeliki Logotheti (2014). *Standard Modern Greek and Cypriot Greek vowels: A sociophonetic study*. 6th International Conference on Modern Greek Dialects and Linguistic Theory (MGDLT6), September 25 - 28, 2014, Conference and Cultural Centre of the University of Patras (Conference Presentation).

50. **Themistocleous Charalambos** and Tsiplakou, Stavroula (2012). High Rising Terminals in Cypriot Greek: Charting `Urban' Intonation. 5th International Conference on Modern Greek Ghent. *Proceedings of the international on Modern Greek Dialects and Linguistic Theory*, 5 (1):445 - 462. http://pwpl.lis.upatras.gr/index.php/mgdlt/article/view/2609/2846

51. **Themistocleous Charalambos** (2012). *You sound Nicosian: Speech melody as an urban identity marker.* Sociolinguistics Symposium 19, Freie Universität (Berlin, August 21 - 24, 2012) (Conference Presentation).

52. **Themistocleous Charalambos**, Marianna Katsoyannou, Spyros Armosti, and Kyriaci Christodoulou (2012). *Cypriot Greek Lexicography: A Reverse Dictionary of Cypriot Greek*. 15th European Association for Lexicography (EURALEX) Conference, Oslo, Norway, 7 - 11 August 2012.
http://euralex.org/publications/cypriot - greek - lexicography - a - reverse - dictionary - of - cypriot - greek/

53. **Themistocleous Charalambos**, Marianna Katsoyannou, Spyros Armosti, and Kyriaci Christodoulou (2012). *Cypriot Greek Lexicography: An online lexical database.* 15th European Association for Lexicography (EURALEX) Conference, Oslo, Norway, 7 - 11 August 2012.
http://euralex.org/publications/cypriot - greek - lexicography - an - online - lexical - database/

54. Christodoulou, Kyriaki, Marianna Katsoyannou, Spyros Armosti, and **Themistocleous Charalambos** 2012. *Orthographic trends for a non - standardised dialect: the representation of the CiV sequence in Cypriot Greek.* 7th Congress of Dialectology and Geolinguistics (Vienna, Austria, 23 - 28 July 2012).

55. **Themistocleous Charalambos** (2011b). *Computational Greek Phonology: IPAGreek.* The 10th International Conference of Greek Linguistics. Komotini, Greece (poster presentation).

56. **Themistocleous Charalambos** (2011c). *The alignment of the Cypriot Greek prenuclear accent.* 20th International Symposium on Theoretical and Applied Linguistics. Thessaloniki, Greece (Conference Presentation).

57. Tsiplakou Stavroula, Arvaniti Amalia, Baltazani Mary, Adamou Evi, Gryllia Stella, Terkourafi Marina, **Themistocleous Charalambos**, Vergis Nikos and Spyros Armosti. 2011. Intonational variation in polar and wh-questions across seven varieties of Greek. 6th International Conference on Language Variation in Europe, Freiburg, Germany.

58. Armosti Spyros, Katsoyannou Marianna, Christodoulou Kyriaci, and **Themistocleous Charalambos** (2011). *Greek Cypriots writing Cypriot Greek: tendencies in the written representation of postalveolar consonants (In Greek).* The 10th International Conference of Greek Linguistics. Komotini, Greece.

59. Tsakmakis, Antonis and **Themistocleous Charalambos** (2011). Keimeniki organosi kai tropikotita stis stratiotikes parakeleuseis tou Thucydidi (`Textual structure and modality in Thucydides 'military exhortations'). *Proceedings of the 4th International Symposium on Thucydides.* Athens Greece.

60. **Themistocleous Charalambos** and Kyriacou, Stelios. (2010). Focus prominence and tonal alignment in Athenian and Cypriot Greek. *ExLing 2010*, 25 - 27 August, Athens, Greece, Athens.

61. **Themistocleous Charalambos** and Kyriacou Stelios (2010). Effects of tonal environment on the alignment of boundary tone in Cypriot Greek (epidraseis tou tonikou perivallontos stin efthigrammisi tou tonou oriou stin Kypriaki Elliniki). *5th Athens Postgraduate Conference of the Department of Philology of the National and Kapodistrian University of Athens, 29 - 31 May 2009.* Athens: University of Athens.

62. Efstathopoulou, Niki and **Themistocleous Charalambos** (2010). A comparative study between Greek and English voiceless stop VOTs produced by Cypriot Greeks. *5th Athens Postgraduate Conference of the Department of Philology of the National and Kapodistrian University of Athens, 29 - 31 May 2009*. Athens: University of Athens.

63. **Themistocleous Charalambos** (2008). Focus Effects on Syllable Duration in Cypriot Greek. *ExLing 2008*. Athens, Greece. 241 - 244.

64. Botinis, Antonis Bakakou Aikaterini and **Themistocleous Charalambos** (2007a). A multifactorial Analysis of Greek Discourse. *16th International Congress of Phonetic Sciences (ICPhs 2007)*, 1341 - 1344.

65. Botinis Antonis, Bakakou Aikaterini and **Themistocleous Charalambos** (2007b). Linguistic Factors and Discourse Turn in Greek (Glossologikoi paragontes kai Synomiliaki Seira sta Ellinika). *Proceedings of the 8th International Conference of Greek Linguistics.* Ioannina, Greece.

66. Gkini Anna, **Themistocleous Charalambos**, Iosifelli Ioanna, Xefteri Maria, Christopoulou Amaryllis, Nikolaenkova Olga, and Papageorgiou Giorgos (2005). *Lexikogrammatikes ptyches tis glossas ton neon: meleti vasismeni se ilektronika somata keimenon* (Lexical and grammatical aspects of youth language: a corpus based study). Praktika Diethnous Synedriou ``I glossa se enan kosmo pou allazei'', Didaskaleio Xenon Glosson tou Panepistimiou Athinon, Filosofiki Scholi, 9 - 11/12/2005.

67. Botinis Antonis, Kostopoulos Yiannis, and Nikolaenkova Olga, **Themistocleous Charalambos** (2005). Syntactic and tonal correlates of focus in Greek and Russian. *Proceedings Fonetik 2005, the XVIIIth Swedish Phonetics Conference.* Goteborg, Sweden.

68. Botinis Antonis, Alexandri Christina, and **Themistocleous Charalambos** (2005). Production of focus in Greek and Russian. *7th International Conference of Greek Linguistics*. York, UK (oral presentation).

69. Botinis, Antonis, **Themistocleous Charalambos** and Nikolaenkova, Olga (2005). Perception of focus in Greek and Russian. *7th International Conference of Greek Linguistics.* York, UK (oral presentation).

70. Botinis, Antonis, Christofi, Marios, **Themistocleous Charalambos** and Kyprianou, Angeliki (2004). Duration correlates of stop consonants in Cypriot Greek. *Proceedings of Fonetik 2004, the XVIIth Swedish Phonetics Conference*. Stockholm, Sweden.

CONFERENCE PROCEEDINGS

1. Kokkinakis, D., **Themistocleous, C.**, Dias, G., Fraser, K. C., Pais, S., & Öhman, F. (Eds.). (2026). Proceedings of Resources and ProcessIng of linguistic, para-linguistic and extra-linguistic Data from people with various forms of cognitive/psychiatric/developmental impairments - In collaboration with the MENTAL.ai project (RaPID-6@MENTAL.ai 2026) @ LREC 2026. European Language Resources Association (ELRA). https://spraakbanken.gu.se/en/rapid-2026

2. Kokkinakis Dimitrios, Fraser Kathleen C., **Themistocleous Charalambos**, Fors Kristina Lundholm, Tsanas Athanasios, Ohman Fredrik (2024). Proceedings of the LREC 2024 workshop on:Resources and ProcessIng of linguistic, para-linguistic and extra-linguistic Data from people with various forms of cognitive/psychiatric/developmental impairments (RaPID-5 2024). 21 May, 2024 Torino, Italia.

3. Kokkinakis Dimitrios, **Themistocleous Charalambos**, Lundholm Fors Kristina, Tsanas Athanasios, Fraser C. Kathleen (2022) P. *Proceedings of the RaPID Workshop - Resources and ProcessIng of linguistic, para - linguistic and extra - linguistic Data from people with various forms of cognitive/psychiatric/developmental impairments - within the 13th Language Resources and Evaluation Conference, Marseille, France. European Language Resources Association.* In Aclanthology. https://aclanthology.org/events/lrec-2022/#2022rapid-1.

4. Kokkinakis, Dimitris, Lundholm Fors Kristina, **Themistocleous Charalambos**, Antonsson, Marie, & Eckerström, Marie. (2020). *Proceedings of LREC 2020 Language Resources and Evaluation Conference 11 - 16 May 2020: 3rd RaPID Workshop, Resources and Processing of Linguistic, Para - linguistic and Extra - linguistic Data from People with Various Forms of Cognitive / Psychiatric / Developmental Impairments. Marséille, France.*

5. (Two Volumes): Demopoulos Charalambos, Kontaksis Kassiani, Kostala Paraskevi, Mylona Katerina, Nastos Vasilis, Savvidou Vivi, and **Themistocleous Charalambos** (2012). *Proceedings of the 6th Athens Postgraduate Conference of the Faculty of Philology National and Kapodistrian University of Athens 13 - 15 May 2011* (Volume A and Volume B). Athens: University of Athens. ISSN: 2241-3030 VOLUME 1: ISBN: 978 - 960 - 466 - 109 - 1, VOLUME 2: ISBN: 978 - 960 - 466 - 109 - 2.

6. Vrynioti Eleni, Georgakopoulos Athanasios, **Themistocleous, Charalambos**, Kontonikolis Christophoros, Kousoulini Vasiliki, Papadopoulou Angeliki, Stamatelopoulos Nikitas, Fragaki Georgia, and Fragouli Nandia (Eds) (2010). *Proceedings of the 5th Athens Postgraduate Conference of the Faculty of Philology National and Kapodistrian University of Athens 29 - 31 May 2009.* Athens: UOA. ISBN 978 - 960 - 466 - 056 - 8.

BOOK REVIEWS

1. **Themistocleous Charalambos** (2015). Book Review of Caspers, Johanna, Chen, Yiya, Heeren, Willemijn, Pacilly, Jos, Schiller, Niels, and van Santen, Ellen. (2014). *Above and beyond the segments : experimental linguistics and phonetics.* Amsterdam; Philadelphia: John Benjamins Publishing Company. *LinguistList 26.5107, 2015*.

THESES

1. **Themistocleous Charalambos** (2011). Prosodia kai plirophoriaki domi stin Ellinici (Prosody and Information Structure in Greek). *PhD Thesis*. University of Athens Greece.
2. **Themistocleous Charalambos** (2008). Lengthening Effects of Prosodic Constituents in Athenian Greek and Cypriot Greek. *MA Thesis.* University of Skövde.
3. **Themistocleous Charalambos** (2007). A multifactorial analysis of discourse turn in conversations (In Greek). *MA Thesis.* University of Athens.

PANEL DISCUSSION

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1. 2026 Invited Panel Discussion - Science of Aphasia (SoA) 2026 conference takes place from September 22 to 25, 2026, at the University of Bordeaux (Campus Carreire) in France - Talk "Beyond Speech Errors: Quantifying the Communicative Channel in Aphasia" with Dr. Maria Varkanitsa and Dr. Brielle Stark.

RECENT TALKS

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1. 2026 Talk at the Centre for Linguistic Theory and Studies in Probability (CLASP) Concluding Conference; October 5–6, 2026, at Humanisten in Gothenburg, Sweden. Title: A Scalable Framework for Automated Multimodal Language Biomarkers in Clinical Neurology: The Open Brain AI Platform
2. 2026 Invited Talk at Geisinger/Encompass Rehabilitation Services and Department of Otolaryngology – Head & Neck Surgery (Katie Kishbaugh MS CCC-SLP). Title: Language: a window into brain health. (Monday 24 August)
3. 2026 Invited Talk at Sunnaas sykehus HF. Title: Using computational methods to improve therapy target detections (Maribeth Caya Rivelsrud). 27 May 2026.
4. 2025 Invited Speaker at the Communication Sciences and Disorders Arnold School of Public Health. Talk: Advancing Motor Speech Disorders Research and Clinical Practice with an AI-Driven Computational Approach. (Monday 3, March 2025)
5. 2024 Invited Speaker at the Center for Brain Recovery, Boston University. Talk: "AI in Clinical Therapy and Assessment: A Paradigm Shift in Speech-Language Pathology" (October 28th)
6. 2024 Invited Speaker at the Afasidagene 2024 (Afasidagene er en praksisrettet konferanse om afasi. Benytt sjansen til å høre om praksiserfaringer og forskning. Statped. Talk: "A new paradigm-shift in Speech and Language Pathology: Informing clinical therapy and assessment using AI" (October 24th).
7. 2024 Invited Keynote Speaker at 43rd national conference of the Flemish Association for Speech Therapists (VVL). Talk: "New developments in Speech and Language Asessments using AI". Ghent, Belgium, March 15 2024 (audience around 400 Speech Therapists).

8. 2024 Invited Presentation at the 43rd national conference of the Flemish Association for Speech Therapists (VVL). Talk: "Automated Analysis of Primary Progressive Aphasia". March 15 2024.

9. 2024 Eleni Peristeri, Charalambos Themistocleous, and Maria Andreou. Natural language processing in children's narrations. Thessaloniki, University of Thessaloniki, Greece.

10. 2023 Talk at the Department: Communication Sciences and Disorders Arnold School of Public Health, University of South Carolina, Dirk den Ouden (December 13, 2023)

11. 2023 Invited Talk *Open Brain AI: Computational Language Research*. e - seminars. Linguistics Faculty, National and Kapodistrian University of Athens, Athens, Greece (November 2023).

12. 2023 *Open Brain AI: Assessment and Diagnosis*. ComPros Event: Brain and Language. University of Oslo, November 16, 2023.

13. 2023 *Open Brain AI: Educational Applications*. IDEA Innovasjon og digitalisering i utdanning Group. University of Oslo, November 8, 2023.

14. 2023 Invited Talk at the University of Athens. Diagnosis and Prognosis of patients with dementia. Online Assessment Tools. December 2023.

15. 2022 Invited Lecture *Novel tools and methods from computational linguistics: studying the relationship between brain and language.* IDEALAB winter school. Newcastle University, January 16th, 2022.

16. Invited Talk, *Current evidence for the effectiveness of therapy for speech and language disorders" Consider both remediation and compensation approaches in this part of the lecture*. Institute of Special Need Education (ISP). University of Olso.

17. Invited Talk, *Profession - related voice disorders: assessment and therapy*. Institute of Special Need Education (ISP). University of Olso.

18. 2021 Invited Talk, Natural Language *Artificial Intelligence and Natural Language Processing in Clinical Research*. 3rd Workshop of the European Coordination of Language Resources (ELRC). Reshaping multilingual Europe: Language - centric artificial intelligence. December 1, 2021 (on - line, Nicosia, Cyprus).

19. 2020 Invited Lecture, *Automatic analysis of speech communication: How Natural Language Processing and Machine Learning can contribute to clinical research*. The C - STAR lecture series, University of South Carolina, (broadcasted internationally).

20. Seminar Talk, *tDCS effects on apraxia of speech in individuals with the non - fluent variant of Primary Progressive Aphasia*. Johns Hopkins Cognitive Science - Professor Brenda Rapp.

21. Invited Talk, *Speech in individuals with Primary Progressive Aphasia*. Cyprus Acquisition Team - Natalia Pavlou University of Cyprus. Nicosia, Cyprus.

22. 2019 *Speech profile of individuals with Primary Progressive Aphasia.* Baltimore Brain Series (selection committee members: National Institute on Drug Abuse (NIDA) - Andrew Wright, Sarah Aronson, and Kauê Kosta; Johns Hopkins University - Kurt Fraser, Aparna Shah, and Alexei Bygrave; University of Maryland, Baltimore: UMB Home - Lace Riggs and Megan Fox.)

23. 2018 *Clinical Markers from Speech Signals and Natural Language Processing: A preliminary study from picture description data*. (Stroke Cognitive Outcomes and REcovery Lab, Dr. Argye E. Hillis). Johns Hopkins University, April 17, 2018

24. *Linguistic predictors of MCI and AD*. School of Philosophy. `National and Kapodistrian University of Athens. Athens, Greece, February 27, 2018.

25. 2017 *Eliciting variant and invariant properties from speech dynamics*. Faculty of Linguistics, Philology and Phonetics, Centre for Linguistics and Philology, Oxford University; Wednesday, September 6, 2017.

26. *Language variation and change: evidence from speech acoustics. Applied Linguistics.* University of Warwick, March 8, 2017.

27. *Acoustic predictors from prosody and segmental structure of atypical speech productions*. Department of Swedish Unit: the Swedish Language Bank (meeting organizer Dr. Dimitris Kokkinakis), December 4, 2017.

28. *Deciphering the speech signal: speakers and communities of speakers.* http://www.clt.gu.se/event/2017-11-30/clt-workshop-2017, November 30, 2017.

29. 2016 *Eliciting information from speech signals: Linguistics, signal processing, and machine learning.* October 13, 2016 Chalmers University of Technology. Sweden.

30. *Melodic patterns in speech communication: Interactions and heterogeneity*. University of Gothenburg. Sweden, March 1, 2016.

31. *Greek vowels and the nature of acoustic gradience. Gothenburg*. Research seminars. University of Gothenburg. Sweden, February 18, 2016.

32. Workshop: Charalambos Themistocleous, *Language Variation and Change: Evidence from Modern Greek Vowels*. Seeger Center for Hellenic Studies. Princeton University. USA, November 20th 2015.

33. 2015 *Learning Linguistic Categories from Acoustic Structure: Towards a Speech Time Frequency Model*. Centre for Linguistic Theory and Studies in Probability (CLASP). Inauguration Workshop. Institutionen för filosofi, lingvistik och vetenskapsteori. Humanistiska fakulteten. Göteborgs universitet. Sweden, August 27th 2015.

34. *Timing in Speech Melody*. MAMPF: Moderne Ansätze und Methoden der Phonetischen Forschung (NOSH: New Observations in Speech and Hearing) talk series. Ludwig Maximilian University Munich. Germany, June 17th 2015.

35. 2014 *Seeking an Anchorage. Stability and Variability in Tonal Alignment of Rising Prenuclear Pitch Accents.* University of Central Lancashire (UCLAN). Cyprus, March 31th 2014.

36. 2013 *Biolinguistic Foundations of Tonal Patterns: Evidence from Speech Perception*. ``CAT within CAT'' presentations organized by the Cyprus Acquisition Team. Cyprus, November 1st 2013.

37. 2012 *Prosodic Structure: Experimental Evidence from Segmental Anchoring and the Syllabification of Geminates*. Cyprus Linguistics Association (CyLing) at the University of Cyprus. Cyprus, October 24th 2012.

38. *The phonology of Ancient Greek*. Open University of Cyprus, (co - ordinator: Dr. Maria Pavlou, Open University of Cyprus, Program ``Greek Civilization''). Cyprus, October 14th 2012.

39. *Computational Linguistics.* Lecture Series: Invited Local Linguist; co - ordinator: Dimitra Karoulla - Vrikki. European University, Cyprus. Cyprus, March 15th 2012.

40. 2011 *Information structure and prosody. Evidence from the nuclear pitch accents.* Cyprus Linguistics Association (CyLing). Cyprus, October 26th 2011.

41. *Information Structure and Prosody in Athenian and Cypriot Greek*. University of Athens. Greece, May 20th 2011.

42. 2010**December 1st 2010:** *The interface of Information Structure and Prosody. A new approach of Greek Grammar.* University of Athens. Greece.

DIGITAL TOOLS DEVELOPED - SOFTWARE APPLICATIONS

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1. **Open Brain AI** https://openbrainai.com

    - provides researchers, clinicians, and educators the tools to transcribe and analyze speech automatically
    - segments acoustic productions into vowels and consonants
    - analyzes linguistically (phonology, morphology, syntax, and semantics) written texts and speech recordings productions in user friendly manner using a web - interface

2. **Web Dictionary of Cypriot Greek** http://lexcy.library.ucy.ac.cy/Lexicon.aspx (currently inactive).
   The 'Syndychies' Website, this is a Dictionary Website that includes IPA transcription for Cypriot Greek (an application of IPA converter algorithm) and text - to - speech feature (the latest version will be online at the 15th of November) Several web - working activities in academia: (e.g. MedEastern, Webmaster for Cyprus Linguistics Society (Cyling)) - Depreciated (see www.charalambosthemistocleous.com and published articles for details on published projects) https://github.com/themistocleous/CG_Dictionary.

3. **NLP Editor**. NLP Editor is a simple text editor that facilitates the linguistic analysis of texts (Mac, Linux, and Windows). It converts of text to the International Phonetic Alphabet. *Phonetics IPA* was an older version for Windows systems. https://github.com/themistocleous/nlp_editor

4. **Clinical Tool - Word Repetition App**
   https://github.com/themistocleous/word-repetition-app

5. **Clinical Tool - Word Repetition Span App**.
   https://github.com/themistocleous/WordRepetitionSpan.

6. **Keyboard Layouts.** Dialectal Greek Keyboard Layout; Dialectal Greek Polytonic Keyboard Layout; International Phonetic Alphabet Keyboard Layout. https://github.com/themistocleous/Keyboard_Layouts

7. **Spelling Scoring Application**. This has been currently implimented in Open Brain AI. (A grafical user interface is available for local use upon request). https://github.com/themistocleous/spelling_assesment_app

8. **Phonology Scoring Application**. This has been currently implimented in Open Brain AI. (A grafical user interface is available for local use upon request). https://github.com/themistocleous/phonology_scoring_app

9. **Semantics Scoring Application**. This has been currently implimented in Open Brain AI. (A grafical user interface is available for local use upon request).
10. **Praat Scripts** - Various Praat Scripts for acoustic analysis. https://github.com/themistocleous/praat_scripts/tree/master/code

ACADEMIC SERVICE

ASSOCIATE EDITOR

1. Journal of Alzheimer's Disease (JAD) 2021 - 2022
   https://www.j-alz.com/members/4666

GUEST EDITOR

1. Brain Sciences Special Issue:
   Artificial Intelligence Methods for Assessing Speech, Language, and Communication Functioning 2023-2024
   https://www.mdpi.com/journal/brainsci/special_issues/X0H4227470

MEMBER OF THE EDITORIAL BOARD

1. Aphasiology

REVIEW EDITOR

1. *Review Editor for Frontiers in Neurology on the Editorial Board of Stroke* 2022 - 2025
2. *Frontiers in Language Sciences - Psycholinguistics* 2022 - 2025

PROFESSIONAL MEMBERSHIPS

1. Academy of Aphasia (Elected Regular Member) 2018 - present
2. Society for the Neurobiology of Language (Member) 2018 - present
3. Advisory Board Member
   International Society of Experimental Linguistics (ExLing)
   (Full-time member since 2011) 2006 - present
4. Linguistic Society of America (LSA) (Member) 2019 - 2020
5. International Phonetic Association (IPA) (Member) 2014 - 2016
6. International Speech Communication Association (ISCA) (Member) 2014 - 2017
7. International Exchange Alumnus, US Government 2016 - present
8. Cyprus Linguistic Society (CyLing) (Member of the board) 2011 - 2015
9. Cyprus (Language) Acquisition Team (CAT) 2011 - present

REVIEWER: RESEARCH GRANT APPLICATIONS

1. *The Swiss National Science Foundation (SNSF)* - 2025 2025
2. Expert Opinion for the J. William Fulbright Commission;
   Czech Fulbright - Masaryk scholars for the academic year 2022/2023 2021
   www.fulbright.cz - Czech Republic.
3. *Journal of Biolinguistics* Task Team 2014 - present

ACADEMIC JOURNALS REVIEWS

2026

- *Journal of Speech, Language, and Hearing Research*
- *Alzheimer's and Dementia*
- *Aphasiology - multiple*
- *Journal of Communication Disorders*
- *Speech and Language Disorder*
- *Clinical Linguistics and Phonetics*
- *Brain Communications*
- *Speech and Language Disorders*

2025

- *Brain Communications*
- *Applied Psycholinguistics*
- *Pediatric Research*
- *Journal of Alzheimer's Disease*
- *Aphasiology*
- *Scientific Reports*
- *Clinical Linguistics & Phonetics*
- *Journal of Speech, Language, and Hearing Research*
- *International Journal of Data Science and Analytics*
- *Frontiers in Psychology*

2024

- *American Journal of Speech-Language Pathology*
- *Alzheimer's and Dementia: Diagnosis, Assessment, and Disease Monitoring*
- *Journal of Alzheimer's Disease*
- *Aphasiology*
- *Frontiers in Neurology*
- *Frontiers in Human Neuroscience*
- *Frontiers in Public Health - Aging and Public Health*
- *Journal of Computer Assisted Learning*

2023

- *PLOS One*
- *Clinical Linguistics and Phonetics*
- *Brain Sciences*
- *PLOS Digital Health*
- *JAMA Neurology*
- *Aphasiology* - 2 papers
- *Cerebral Cortex*
- *Human Arenas*

2022

- *Applied Psycholinguistics*
- *Clinical Linguistics & Phonetics*
- *Cortex*
- *International Journal of Language & Communication Disorders*
- *PLOS One*
- *PLOS Digital Health*

2021

- *Brain Sciences*
- *Frontiers in Digital Health Connected Health*
- *Alzheimer's and Dementia: Diagnosis, Assessment, and Disease Monitoring*
- *Journal of Alzheimer's Disease (JAD)*

2020

- *Aphasiology*
- *Journal of Alzheimer's Disease (JAD)* - 2 Manuscripts Reviewed
- *Journal of the International Neuropsychological Society*
- *PLOS One*
- *Natural Language Engineering*
- *Frontiers in Psychology*

2019

- *PLOS One* - 2 Manuscripts Reviewed
- *Computer Speech and Language*
- *Human Brain Mapping*
- *Brain and Language*
- *Frontiers in Communication* - 2 Manuscripts Reviewed
- *Clinical Linguistics & Phonetics*
- *Journal of Biolinguistics* - 2 Manuscripts Reviewed

2018

- *Clinical Linguistics & Phonetics*
- *Frontiers in Neurology*

– *Speech Communication*

2017

– *Frontiers in Psychology*
– *Journal of Logic and Computation*
– *Journal of Biolinguistics*

2016

– *Phonetica*
– *Journal of the International Phonetic Association (JIPA)*
– *Lingua*
– *Journal of Biolinguistics*

2015

– *Journal of the Acoustical Society of America*
– *Journal of Biolinguistics*

REVIEWER CONFERENCES

1. 2026 CLASP Final Conference, Gothenburg Sweden
2. 2026 The 2026 LREC 2026-RaPID: Resources and ProcessIng of linguistic, para-linguistic and extra-linguistic Data from people with various forms of cognitive/psychiatric/developmental impairments.
3. 2024 The 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation LREC-COLING 2024- 5th RaPID: Resources and ProcessIng of linguistic, para-linguistic and extra-linguistic Data from people with various forms of cognitive/psychiatric/developmental impairments.
4. 2022 LREC 14th *Conference on Language Resources and Evaluation* - Resources and ProcessIng of linguistic, para - linguistic and extra - linguistic Data from people with various forms of cognitive / psychiatric / developmental impairments (2 papers).
5. 2018 - 2021 Experimental Linguistics Workshop (2018 - 2021)
6. 2018 Special Session Neurodegeneration and Language (Neural) (2019) (4 papers)
7. 2016 *Conference on Logic and Machine Learning in Natural Language (LaML)*.

LANGUAGE CURRICULA AND LANGUAGE POLICY

1. 2014 *Reviewer National Language Curricula*
   Ministry of Education and Culture, Cyprus

EVENT ORGANIZATION

1. 2026 *RaPID Workshop - Resources and ProcessIng of linguistic, para - linguistic and extra - linguistic Data from people with various forms of cognitive/psychiatric/developmental impairments - within the 13th Language Resources and Evaluation Conference*, LREC Mallorca Spain.

2. International Summer School: Cradle of Basic Ideas in Science - Role: Member of the Organization Board and Providing a Seminar (2023). International Summer School URL Link.

3. Organization and participation in the "European Day of Languages" event - Role: as a member of the Cyprus Linguistics Association (2014).

4. 2024 The 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation LREC-COLING 2024. Title: 5th RaPID: Resources and ProcessIng of linguistic, para-linguistic and extra-linguistic Data from people with various forms of cognitive/psychiatric/developmental impairments. Authors: Dimitrios Kokkinakis, Charalambos Themistocleous, Kathleen C. Fraser, Athanasios Tsanas, Kristina Lundholm Fors and Fredrik Öhman

5. 2022 *RaPID Workshop - Resources and ProcessIng of linguistic, para - linguistic and extra - linguistic Data from people with various forms of cognitive/psychiatric/developmental impairments - within the 13th Language Resources and Evaluation Conference, Marseille, France. European Language Resources Association.* with Kokkinakis Dimitrios, Themistocleous Charalambos K., Lundholm Fors Kristina, Tsanas Athanasios, Fraser C. Kathleen (2022).

6. *Proceedings of LREC 2020 Language Resources and Evaluation Conference 11 - 16 May 2020: 3rd RaPID Workshop, Resources and Processing of Linguistic, Para - linguistic and Extra - linguistic Data from People with Various Forms of Cognitive / Psychiatric / Developmental Impairments. Marséille, France.*, with Kokkinakis, Dimitris, Lundholm Fors Kristina, **Themistocleous Charalambos**, Antonsson, Marie, & Eckerström, Marie. (2020).

7. 2011 - 2023 ``Experimental Linguistics (ExLing)'' Member of the organizing committee of ExLing 2011 (Paris, France), ExLing 2012 (Athens, Greece), ExLing 2015 (Athens, Greece), and ExLing 2018 (Paris, France)

8. 2019 Organizing Committee of the special session on language disorders Neurodegeneration and Language (NEURAL 2019) which took place in the context of Experimental Linguistics 2019 (ExLing 2019) in Lisbon, Portugal, 27 September 2019, under the auspices of Centro de Linguística da Universidade de Lisboa''

9. 2019 International Advisory Committee of the ``Experimental Linguistics 2019 (Exling 2019)''

10. 2018 Organizing Committee of the ``resources and processing of linguistic, para - linguistic and extra - linguistic data from people with various forms of cognitive/psychiatric impairments (RaPID - 2)'', Tuesday, 8th of May 2018, Miyazaki, Japan). Workshop as part of the Language Resources and Evaluation Conference (LREC), 7 - 12 May 2018, Miyazaki, Japan

11. 2017 Organizing committee of the ``Conference on Logic and Machine Learning in Natural Language (LaML).'' Conference dates: June 12 - 14, 2017. University of Gothenburg

12. 2009 ``5th Athens Postgraduate Conference of the Department of Philology, National and Kapodistrian University of Athens, 29 - 31 May 2009"

13. 2011 ``6th Athens Postgraduate Conference of the Department of Philology, National and Kapodistrian University of Athens, 13 - 15 May 2011"

PHD/MA SUPERVISION AND TEACHING

PHD STUDENT SUPERVISION

1. **PhD Thesis Supervision**. Georgios Georgiou, PhD dissertation co - supervised with Dr. Mary Koutselini at the University of Cyprus, titled ``Perception and Production of Greek vowels by Arabic Speakers of Greek as a second language'' 2014 - 2018) https://www.researchgate.net/publication/321360145_Perception_and_Production_of_Greek_Vowels_by_Egyptian_Arabic_Learners_of_Greek_as_a_Second_Language

MA STUDENT SUPERVISION

1. **MA Thesis Supervision**. University of Olso 2023 - current
2. **MA Thesis Co - Supervision**. Natassia Aaseng - Department of Special Needs Education, University of Oslo 2023
3. **MA Thesis Supervision**. Jesica Wang, MA thesis at the University of Gothenburg, research topic ``Determining Linguistic Predictors for the classification of Mild Cognitive Impairment and Alzheimer's Disease using Machine Learning: Evidence from speech and texts'' (2020). https://gupea.ub.gu.se/handle/2077/66261 2020
4. **MA Thesis Supervision**. Liina Tumma, MA thesis at the University of Gothenburg, research topic ``Extracting linguistic and emotional information from speech'' 2018

TEACHING

1. **University of Oslo**

   2024

   - Course organizer and provided Seminars within the Research Ethics course (UV9010)
     ``Research Ethics for PhD Candidates''
   - Seminars for the SPED4200 Fordypning i logopedi course

   2023

   - Course organizer and provided Seminars within the Research Ethics course (UV9010)
     ``Research Ethics for PhD Candidates''
   - Seminars for the SPED4092 Master's thesis in special pedagogy
   - Seminars for SNE4390 Master's Thesis (MOS) course
   - Seminars for the SPED4200 Fordypning i logopedi course
   - Seminars for the Velkommen til SPED4400
     Fordypning i spesifikke lærevansker course
   - Seminars for the international master's programme Research in Special Needs Education (RSNE) at the ISP.

   2022

   - Seminars for the international master's programme Research in Special Needs Education (RSNE) at the ISP.

2. **University of Gothenburg**

   2017

   – Statistical Methods for Natural Language Processing (NLP), Master's Program in Language Technology; teaching and course organizing
   – Introduction to Formal Linguistics, Master's Program in language technology. Co-teaching with Stergios Chatzikyriakides

   2016

   – Introduction to Formal Linguistics, Master's Program in language technology. Co-teaching with Stergios Chatzikyriakides

3. **University of Cyprus**

   2014

   – Principles of Linguistic Analysis (MA Program in Linguistics)
   – Theoretical Phonology
   – Suprasegmental Phonology
   – Sociolinguistics

   2013

   – Sociolinguistics
   – Phonetics and Phonology (3rd & 4th year elective)
   – Research Design and Statistics for Linguists (3rd & 4th year elective)

   2012

   – Undergraduate Course: Phonetics and Phonology:
     Advanced Level (3rd & 4th year elective)
   – Speech Melody and Conversation (3rd & 4th year elective)
   – Information Structure and Prosody (3rd & 4th year elective)

   2011

   – Tutorials: Introduction to Greek Language

4. **Open University of Cyprus**

   2013

   – Linguistics and Literature, Postgraduate module in Linguistics and Literature (Phonetics, Phonology, Morphology, Syntax, Semantics, and Pragmatics)

5. **University of Athens**

   • Tutorials: Phonetics, Phonology, and Statistics (Phonetics Lab) **2007 - 2011**

CURRICULUM DEVELOPMENT AND EDUCATIONAL MATERIAL CREATION

• **Course Leader and Instructor (Seminars)** **2023 - Present**
Research Ethics for PhD Candidates (UV9010)

– Developed and managed course syllabus, incorporating up-to-date research ethics literature.
– Coordinated with faculty to deliver cohesive seminar experiences for PhD candidates.

  - Ensured quality and relevance of course content to enhance PhD student learning.

- **Curriculum Development Collaborator**, Logopedi Team. **2023 - Present**

  - Contributed to the revision of the study program for four new courses (SPED 4201-4203, SPED3012), specifically focusing on:
    * Designing course plans
    * Assessments
    * Lecture topics
    * Learning outcomes

- Developed syllabi for the following elective courses at the MA Program in Speech and Language Pathology at the Department of Special Needs Education.
  - SPED4040. Introduksjon til lingvistikk analyse (Introduction to Linguistic Analysis)
  - (NA). Beregnigsmetoder og Kunstig intelligens i spesialundervisning Computational and Artificial Intelligence Methods in Special Needs Education.

- **Course Leader and Instructor - University of Cyprus University of Gothenburg**

  2017
  * Statistical Methods for Natural Language Processing (NLP), Master's Program in Language Technology; teaching and course organizing
  * Course Leader and Instructor with Stergios Chatzikyriakides - Introduction to Formal Linguistics, Master's Program in language technology.

  2016
  * Course Leader and Instructor with Stergios Chatzikyriakides - Introduction to Formal Linguistics, Master's Program in language technology.

- **Course Leader and Instructor - University of Cyprus**. Developed PowerPoint Presentations, Course Notes, Exams, and other materials required for courses at the University of Cyprus and the University of Gothenburg. Authored a book and various teaching materials, including an Introduction to R, Introduction to Python, and more, to introduce students to Experimental Design and Statistics in Linguistics using R. Developed syllabi for the MA Program in Linguistics, including:

  2014
  * Principles of Linguistic Analysis (MA Program in Linguistics)
  * Theoretical Phonology
  * Suprasegmental Phonology
  * Sociolinguistics

  2013
  * Sociolinguistics
  * Phonetics and Phonology (3rd & 4th year elective)
  * Research Design and Statistics for Linguists (3rd & 4th year elective)

  2012
  * Undergraduate Course: Phonetics and Phonology: Advanced Level (3rd & 4th year elective)
  * Speech Melody and Conversation (3rd & 4th year elective)
  * Information Structure and Prosody (3rd & 4th year elective)

TEXTBOOKS AND TEACHING MANUSCRIPTS

Also, I have authored a book to introduce students to Experimental Design and Statistics in Linguistics, using R (see my book publications for more information) and the following teaching materials:

- **Textbook**
  Themistocleous Charalambos (2015). *Experimental Design and Statistics in Linguistics. Using R* (In Greek). Athens: Ion. ISBN:978-960-508-187-4. This book is an introduction to experimental methodology and statistics using R and aims:
  - to present the basic principles of experimental methodology and experimental design.
  - to introduce statistics and their application to language problems.
  - to introduce R, a programming language with specialized functions for statistical analysis.

  The experimental methodology concerns the systematic and organized examination of a research object. The research begins with identifying a problem, defining the more specific research questions, and formulating experimental hypotheses. In this book, we examine how statistical analysis works, the theoretical principles that govern it, and how it relates to experimental methodology. The book aims twofold to teach how statistical tests are performed and present the reasoning that regulates them. Therefore, an attempt was made to make this book as pedagogical and easy to use as possible. Examples based on linguistics and language research have been used for this purpose.

- **Teaching Manuscripts**
  I have developed PowerPoint Presentations, Course Notes, Exams, and other materials required for courses.
  - Themistocleous Charalambos (2016). Introduction to R. Unpublished manuscript. Gothenburg
  - Themistocleous Charalambos (2016). Introduction to Python. Unpublished manuscript. Gothenburg.
  - Themistocleous Charalambos (2011). Introduction to Phonetics and Phonology [in Greek]. Nicosia: Open University of Cyprus. (pp. 100)

GRADING TASKS

University of Oslo

SPED1100: Introduksjon til spesialpedagogikk	**October 6, 2024**
SPED4010: Vitenskapsteori, forskningsmetode og statistikk	**January 27, 2023**
SNE4390: Master Thesis	**November 22, 2022**
SNE4390: Master Thesis	**January 6, 2023**
SPED4092: Masteroppgave i spesialpedagogikk - Fordypning i logopedi	**January 11, 2024**
SNE3120: Towards Inclusive Education	**January 12, 2024**
SNE4120: Towards Inclusive Education	**January 11, 2024**

SNE4120: Towards Inclusive Education **February 9, 2024**

RSNE4001: Inclusive Education and the Nordic Model **September 26, 2024**

RSNE3001: Inclusive Education and the Nordic Model **September 26, 2024**

University of Cyprus

Grading for all courses that I was teaching.

TEACHING MATERIALS

As a course organizer at the university of Cyprus and at the University of Gothenburg for the course on Statistical Methods for Natural Language Processing (NLP), I have developed PowerPoint Presentations, Course Notes, Exams, and other materials required for courses, which are available in an online repo. This Appendix contains links to materials that I have developed for use in classroom. These materials were not attached in this document because of size restrictions and accessibility. It includes materials such as:

- Syllabi
- Power Point Presentations
- Teaching and Materials used in classroom.
- Assessments / Exams

This page includes the links to the Google Drive online repository. Each course has its own folder, and each folder contains the materials, usually organized based on the week. Additional folders inside the course may contain the Syllabus, Exams, Midterms, and others. Many materials were removed from these because of their size, they could not sync.

For the Materials Created while I was at the University of Oslo, these are in CANVAS.

SEMINARS

1. *Anatomy and physiology The brain and the nervous system* **August, 2024**
2. *Introduction to the structure and function of the brain I* **August, 2024**
3. *Speech difficulties II - Motor Speech Disorders* **August, 2024**
4. *Dementia* **August, 2024**
5. *Lecture: Artificial Intelligence and special needs education* **August, 2024**
6. *Brain: Anatomy and Physiology* at the Department of Special Needs Education. University of Oslo. **August 5, 2023**
7. *Anatomy of the voice and dissorders of voice* at the Department of Special Needs Education. University of Oslo. **August 22, 2023**
8. *AI and aphasia: assessment and diagnosis*. For the seminar on Aphasia and AAC at the Department of Special Needs Education, UiO **June 8, 2023**

9. Seminar at ISP Research Meeting: *Diagnosis, Prognosis, and Treatment Efficacy Assessment in Aphasia: Novel Methods and Techniques* **April 24, 2023**

10. Assessing Speech, Language, and Communication Functioning in Individuals with Aphasia using AI. Forum for Clinical Linguistics and Language Acquisition. Department of Linguistic and Scandinavian Studies at University of Oslo. **April 20, 2023**

11. Henri Pesonen, SNE4200 course; title Measuring cognition and language: Computational Language Assessment. **February 14, 2023**

12. *Machine Learning in Special Needs Education*. International Master. Department of Special Needs Education. University of Oslo. **December 8, 2022**

13. *Dementia - Risk Factors - Symptoms - Assessment. Part B.* International Master. Department of Special Needs Education. University of Oslo. **December 1, 2022**

14. *Dementia - Risk Factors - Symptoms - Assessment. Part A.* International Master. Department of Special Needs Education. University of Oslo. **2022**

15. Invited Seminar *Automating Assessment of Speech and Language in Individuals with Aphasia*. ComPros Autumn Seminar (Organizer Simon Sundstrom). University of Oslo. **November 28, 2022**

16. *Developing supporting groups and opportunities for all: Connecting Healthcare and Education.* International Master. Department of Special Needs Education. University of Oslo. **November 10, 2022**

INSTITUTIONAL RESPONSIBILITIES

HIRING AND PROMOTION COMMITTEES

1. Alternate member at the Hiring Committee for a vacant position of Assistant Professor in "Theoretical Linguistics with applications to the phonetics-phonology of the Greek-French language" (candidates are Dr. Athanasia-Lida Dimou and Dr. Kyriaki-Evlalia Iliadou) APELLA: A48742 at the link: https://service-apella.grnet.gr/apella/ui/positions/A48742.

2. Member, Promotion Committe for Tenure Evaluation of Dr. Anna Sfakianaki, Department of Philology, University of Ioannina, Greece, 2024 (APELLA: APP48424).

3. Hiring Committee for a Senior Lecturer in Special Education within the field of Audiopedagogy, Hearing, Language and Communication at ISP. Scientific representatives: Professor Monica Melby-Lervåg, Associate Professor Charalampos Themistokleous Student representative: Sarah Johanne Boye Killengreen sjkillen@student.uv.uio.no Head of Department: Ona Bø Wie

COMMITTEE WORK AND ADMINISTRATIVE ROLES

1. **Membership role**. Programrådsmøte 1 - høst 26 (Program Council Meeting 1 – Autumn 2026); Department of Special Needs Education, University of Oslo' 2026
2. **Membership role**.Research Group - Speech and Hearing; Department of Special Needs Education, University of Oslo' 2025
3. **Leadership role**. Leading the 'Internationalization Group, Department of Special Needs Education, University of Oslo' 2024
4. **Leadership role**. Leadership with Simon Sundström of the research group "Communicative Processes (ComPros) Research Group". 2023-2024
5. **Membership role**. IDEA Innovation and Digitalization in Education: A resource centre with UV assisting in innovative teaching, pedagogically focused digital solutions, and research - based educational innovation. **2023 - 2024**
6. **Membership role**. Workshop Participation: Discussing the role of AI at the IDEA Workshop - Bruk av KI i undervisning: Studentoppgaver og arbeidsformer (14 February 2024). **2024**
7. **Membership role**. Internationalization and Networking - Internationalization Group University of Oslo - Erasmus mobility and networking (2022). **2022**
8. **Representative Role:** Postdoctoral Representative, CLASP **2017**

ACADEMIC SERVICE AND COMMUNITY ENGAGEMENT

1. Contributed as a co-organizer to the "RaPID Workshop" within the LREC 2026 in Mallorca, Spain. **2026**
2. Contributed as a co-organizer to the "RaPID Workshop" within the LREC-COLING 2024: The 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation in Torino, Italy. **2024**
3. Co-organized the "ComPros Seminar on Brain and Language" at the Department of Special Needs Education, University of Oslo, November 2023. The seminar featured Dr. Maria Varkanitsa and Dr. Eleni Barbieri as invited speakers, fostering interdisciplinary dialogue on neuro-linguistic research. **2023**
4. Co-organized the seminar on "Aphasia and Augmentative and Alternative Communication (AAC)" at the Department of Special Needs Education, University of Oslo, June 2023. Collaborated with Kristine Stadskleiv and Melanie Kirmess to host Dr. Rajinder Koul, facilitating discussions on innovative therapeutic approaches. **2023**
5. Co-organized the "RaPID Workshop" within the 13th Language Resources and Evaluation Conference in Marseille, France, 2022. The workshop focused on linguistic, paralinguistic, and extra-linguistic data processing from individuals with various cognitive impairments, enhancing the field's understanding of language processing challenges. **2022**
6. Curriculum Review and Policy Development: Reviewed National Language Curricula for the Ministry of Education and Culture, Cyprus, contributing to national educational standards and policies. **2014**

7. Participated in the organization of the ExLing Conference series, contributing to events in Paris, France (2011, 2018), Athens, Greece (2012, 2015), and Lisbon, Portugal (2019). These international gatherings brought together experts in experimental linguistics to share research findings and discuss methodological advancements. **2011** (several)

8. Engaged in the "NEURAL 2019" special session on language disorders, part of the ExLing 2019 conference in Lisbon, Portugal. The session focused on the intersection of neurodegeneration and language, providing a platform for presenting recent research and fostering collaborations among specialists in the field. **2019**

9. Community Engagement and Public Outreach. Talk to the general public: "How do shibboleths sound?" during the "Open House Day" at the Department of Philosophy, Linguistics and Theory of Science (FLOV), University of Gothenburg (2017). Event Link.

10. Community Engagement and Public Outreach. Book Presentation and Panel Discussion "The Linguistic Landscape of Cyprus" by Dr. Andreas Papapavlou **2012**.

11. Participated in the organization of the 6th Athens Postgraduate Conference of the Faculty of Philology National and Kapodistrian University of Athens, 13 - 15 May 2011. **2011**

12. Participated in the organization of the 5th Athens Postgraduate Conference of the Faculty of Philology National and Kapodistrian University of Athens, 29 - 31 May 2009. **2009**

LANGUAGES

English, Greek, Norwegian
Classic Greek, Latin

Updated on October 30, 2026