

SIREEMAS MASPONG

Ludwig-Maximilians-Universität München

Institut für Phonetik und Sprachverarbeitung (IPS), Spoken Language Processing Group

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ACADEMIC APPOINTMENTS

- 2023 - **Postdoctoral researcher** – Spoken Language Processing Group,
Institute for Phonetics and Speech Processing (IPS),
Ludwig Maximilians Universität München
- 2025 **Invited researcher** – Department of Linguistics, Chulalongkorn University

EDUCATIONAL BACKGROUND

- 2016 - 2023 **Ph.D. (Linguistics)** – Cornell University
Dissertation: Synchrony and diachrony of vowel quality difference across register in Mon-Khmer languages
Chairs: John Whitman & Sam Tilsen
- 2014 - 2016 **M.A. (Linguistics)** – Chulalongkorn University
Thesis: Vowel length contrasts in the language of Sukhothai period (in Thai)
Chair: Pittayawat Pittayaporn
- 2010 - 2014 **B.A. (Thai – Honors Program)** – Chulalongkorn University
Honors Thesis: Historical Studies of Synaesthetic Expressions in Thai (in Thai)

ACADEMIC INTERESTS

Laboratory Phonology & Phonetics

Historical Linguistics

Southeast Asian Linguistics

PUBLICATIONS

Journal Articles

- 2024 Burroni, F., **Maspong, S.**, Pittayaporn, P. & Kochaiyaphum, P. An exploratory investigation of the interactions between syllabic prominence, initial geminates, and phrasal boundaries in Pattani Malay. *Journal of International Phonetics Association* 54(1), 264-293. DOI: 10.1017/S0025100323000233
- 2024 **Maspong, S.** Chronology of registrogenesis in Khmer: Analyses of poetry and inscriptions. *Journal of the Southeast Asian Linguistics* 17(1), 46-62. DOI: 10524/52522
- 2022 **Maspong, S.** Khmer onset voicing at the end of the 13th century: Zhenla Fengtu Ji revisited. *Cahier de Linguistique Asie Orientale* 51(2), 175-208. DOI: 10.1163/19606028-bja10025
- 2019 **Maspong, S.** & Pittayaporn, P. Length contrast of high vowels in the Thai language of the Sukhothai period: What do the inscriptions say? *Cahier de Linguistique Asie Orientale* 48(1), 30-60. DOI: 10.1163/19606028-04801001

- 2016 **Maspong, S.** Vowel length contrast of (e) (ε) (o) and (ɔ) in the Thai language of Sukhothai period. *Journal of Letter* 45(2), 59-92. (in Thai)
- 2015 Pittayaporn, P., Pothipath, V., Jatuthasri, T., Sanah, N., Methithammawat, P., **Maspong, S.**, Iamdanush, J., & Laimanoo, P. Survey and selection of texts for Thai National Historical Corpus. Thai. *Journal of Thai Language and Literature [Special issue]* 32(2), 1-41. (in Thai)
- 2014 **Maspong, S.** A historical study of synaesthetic expressions. *Journal of Thai Language and Literature [Special issue]* 31(1), 146-173. (in Thai)

Book Chapters

- 2024 Burroni, F. & **Maspong, S.** Re-examining initial geminates: Typology, evolutionary phonology, and phonetics. In B. Evans, M. K. Gallego, & L. Miceli (Eds.), *Current Issues in Linguistic Theory* (Vol. 367, pp. 109–145). John Benjamins Publishing Company.
DOI: 10.1075/cilt.367.05bur

Conference Proceedings

- 2024 Mam, S., Burroni, F., **Maspong, S.** Towards a token-by-token whole-spectrum approach to sound change using deep learning: A case study of Khmer coda palatalization. *Proceedings of the 38th Pacific Asia Conference in Language, Information and Computation*.
- 2024 **Maspong, S.**, Burroni, F., Sukanchanon, T., Pornpottanamas, W., Pittayaporn, P. Deep learning to shed light on tones of an endangered language: A case study of Moklens. *Proceedings of the 3rd Workshop on NLP Applications to Field Linguistics*.
- 2024 **Maspong, S.**, Burroni, F., Kirby, J. CF0 effect and articulatory strength of geminate consonants. *Proceedings of Speech Prosody 2024*. DOI: 10.21437/SpeechProsody.2024-68
- 2024 Kirby, J., Puggaard-Rode, R., Burroni, F., **Maspong, S.** Effects of coda consonants on preceding vowel F0 in Eastern Khmu. *Proceedings of Speech Prosody 2024*.
DOI: 10.21437/SpeechProsody.2024-66
- 2024 **Maspong, S.** & Burroni, F. Are long and short vowels articulatorily different? Spatial and durational effects of vowel length in Thai. *Proceedings of the 13th International Seminar on Speech Production*. DOI: 10.21437/issp.2024-42
- 2024 Burroni, F., **Maspong, S.**, Benker, N., Hoole, P., Kirby, J. Spatiotemporal Features of Bilabial Geminate and Singleton Consonants in Italian. *Proceedings of the 13th International Seminar on Speech Production*. DOI: 10.21437/issp.2024-42
- 2024 Pornpottanamas, W., **Maspong, S.**, Pittayaporn, P. A Preliminary Investigation of the Phonetic Characteristics of Moklen Tones. *Proceedings of the 2nd International Conference on Tone and Intonation*. DOI: 10.21437/TAI.2023-13
- 2023 **Maspong, S.** Voice quality is not an obligatory stage in tonogenesis: A case study of Eastern Khmu. *Proceedings of the 20th International Congress of Phonetic Science*.
- 2022 Burroni, F., Lau-Preechathammarat, R. & **Maspong, S.** Unifying initial geminates and fortis consonants via laryngeal specification: Three case studies from Dunan, Pattani Malay, and Salentino. *Proceedings of the Annual Meeting on Phonology 2021*.
DOI: 10.3765/amp.v9i0.5200
- 2021 **Maspong, S.** & Burroni, F. Functional Load modulates speech production, but not speech perception: Evidence from Thai vowel length. *Proceedings of the 12th International Seminar on Speech Production*.

- 2020 Burroni, F., **Maspong, S.**, Pittayaporn, P. & Kochaiyaphum, P. A new look at Pattani Malay Initial Geminate: a statistical and machine learning approach. *Proceedings of the 34th Pacific Asia Conference in Language, Information and Computation*.
- 2018 **Maspong, S.** Length contrast in the Sukhothai vowel system. In Pittayaporn, P. & Jitwiriyant, S. & Saisuan, P. & Tejarajanya, B. (eds.), *Papers from the Chulalongkorn International Student Symposium on Southeast Asian Linguistics 2017: JSEALS Special Publication No. 2*, 78-89. Honolulu: University of Hawai'i Press.
- 2016 Ployplai, D. & **Maspong, S.** The Relationship between language and concept in the musical numbers of 'Si Phan Din the Musical' and Thai contemporary socio-cultural context. In K. Raiyawong & T. Dechaphitthikul (Eds.), *Hope and Imagination in Humanities*. (in Thai)
- 2014 **Maspong, S.** Tracing back the life of a Thai invective: a historical study of /ʔa:j/. In K. Amratisha (Ed.), *Wichayamālā: Selected Papers on Thai Language and Literature*. Bangkok: Department of Thai, Faculty of Arts, Chulalongkorn University, 1-44. (in Thai)

CONFERENCE PRESENTATIONS

- 2024 Mam, S., Burroni, F., **Maspong, S.** Towards a token-by-token whole-spectrum approach to sound change using deep learning: A case study of Khmer coda palatalization. Paper presented at the 38th Pacific Asia Conference in Language, Information and Computation (PACLIC), Tokyo, Japan.
- 2024 **Maspong, S.**, Burroni, F., Sukanchanon, T., Pornpottanamas, W., Pittayaporn, P. *Deep learning to shed light on tones of an endangered language: A case study of Moklen*. Paper presented at the 3rd Workshop on NLP Applications to Field Linguistics (Field Matters), Bangkok, Thailand.
- 2024 **Maspong, S.**, Burroni, F., Kirby, J. *F0 effect and articulatory strength of geminate consonants*. Paper presented at Speech Prosody 2024, Leiden, the Netherlands.
- 2024 Kirby, J., Puggaard-Rode, R., Burroni, F., **Maspong, S.** *Effects of coda consonants on preceding vowel F0 in Eastern Khmu*. Paper presented at Speech Prosody 2024, Leiden, the Netherlands.
- 2024 **Maspong, S.** & Burroni, F. *Are long and short vowels articulatorily different? Spatial and durational effects of vowel length in Thai*. Poster presented at the 13th International Seminar on Speech Production (ISSP), Autrans, France.
- 2024 Burroni, F., **Maspong, S.**, Benker, N., Hoole, P., Kirby, J. *Spatiotemporal Features of Bilabial Geminate and Singleton Consonants in Italian*. Poster presented at the 13th International Seminar on Speech Production (ISSP), Autrans, France.
- 2023 Pornpottanamas, W., **Maspong, S.**, Pittayaporn, P. *A Preliminary Investigation of the Phonetic Characteristics of Moklen Tones*. Paper presented at the 2nd International Conference on Tone and Intonation (TAI), Singapore.
- 2023 **Maspong, S.** *Voice quality is not an obligatory stage in tonogenesis: A case study of Eastern Khmu*. Poster presented at the 20rd International Congress of Phonetic Science (ICPhS), Prague, Czech Republic.
- 2023 Burroni, F., **Maspong, S.** *Geminates are not just longer singletons: Evidence from Italian articulatory data*. Paper presented at the 53rd Linguistic Symposium on Romance Languages, Paris, France.

- 2023 **Maspong, S.** *Chronology of registrogenesis in Khmer: An analysis of poetry and inscriptions.* Paper presented at the 32nd Annual Meeting of the Southeast Asian Linguistics Society (SEALS), Chiang Mai, Thailand. (virtual)
- 2022 **Maspong, S.** *The temporal unfolding of phonologized diphthongs and register in two dialects of Chanthaburi Khmer.* Poster presented at LabPhon 18. (virtual)
- 2021 **Maspong, S.** *Khmer onset voicing at the end of the 13th century: Zhenla Fengtu Ji revisited.* Paper presented at the 5th Edinburgh Symposium on Historical Phonology, Edinburgh, UK. (virtual)
- 2021 **Maspong, S.** *The temporal unfolding of register reveals temporally bound mechanisms at play: A case study of Western Khmer.* Poster presented at the 181st Meeting of the Acoustical Society of America (ASA), Seattle, WA, USA.
- 2021 Burroni, F., Lau-Preechathammarach, R., **Maspong, S.** *Unifying Initial Geminates and Fortis Stops via Laryngeal Specification.* Paper presented at the Annual Meeting on Phonology (AMP), Toronto, Canada. (virtual)
- 2020 **Maspong, S.,** Burroni, F. *Functional Load modulates speech production, but not speech perception: Evidence from Thai vowel length.* Poster presented at the 12th International Seminar on Speech Production (ISSP). Providence, RI, USA. (virtual)
- 2020 Burroni, F., **Maspong, S.,** Pittayaporn, P. & Kochaiyaphum, P. *A new look at Pattani Malay Initial Geminates: a statistical and machine learning approach.* Paper presented at the 34th Pacific Asia Conference in Language, Information and Computation (PACLIC), Hanoi, Vietnam. (virtual)
- 2020 **Maspong, S.,** Burroni, F., Kochaiyaphum, P. & Pittayaporn, P. *Interaction of initial geminates and stress: a case study of Pattani Malay.* Poster presented at LabPhon 17, Vancouver, Canada. (virtual)
- 2019 Burroni, F. & **Maspong, S.** *Contrast Emergence, Preservation, and Loss: A case study of initial geminates.* Paper presented at the International Conference in Historical Linguistics (ICHL), Canberra, Australia.
- 2018 **Maspong, S.** *Production and Perception of Marginal Vowel Length Contrast in Thai.* Paper presented at the National Conference “the Science of Languages”, Bangkok, Thailand.
- 2018 Pittayaporn, P., **Maspong, S.,** Tangsiriwattanukul, S. & Sikkharit, Y. *The genetic relationship between Sukhothai and Ayutthaya.* Paper presented at the 28th Annual Meeting of Southeast Asian Linguistics Society (SEALS), Kaohsiung, Taiwan.
- 2018 **Maspong, S.** *Production and perception of marginal contrast: Length contrast in Thai mid vowels.* Paper presented at the 28th Annual Meeting of Southeast Asian Linguistics Society (SEALS), Kaohsiung, Taiwan.
- 2017 **Maspong, S.** *Length contrast in the Sukhothai vowel system.* Paper presented at Chulalongkorn International Student Symposium on Southeast Asian Linguistics (CU-SSSEAL), Bangkok, Thailand.
- 2015 **Maspong, S.** *Length contrasts of high vowels in the Thai language of Sukhothai Period: What do inscriptions say?.* Poster presented at the 25th Annual Meeting of the Southeast Asian Linguistics Society (SEALS), Chiang Mai, Thailand.
- 2014 Ployplai, D. & **Maspong, S.** *The Relationship between language and concept in the musical numbers of ‘Si Phan Din the Musical’ and Thai contemporary socio-cultural context.* Paper presented at the 7th Humanities Research Forum in Thailand, Nakhon Si Thammarat, Thailand.

- 2013 **Maspong, S.** *Tracing back the life of a Thai invective: from /pî:ʔâ:/ to /ʔâjpî:bâ:/*. Paper presented at the 1st Arts Undergraduate Humanities Symposium, Bangkok, Thailand.

GRANTS & SCHOLARSHIPS

- 2021 - 2022 **Sage Fellowship**, Graduate School, Cornell University
- 2018 **Outstanding Master's Thesis Award**, Graduate School, Chulalongkorn University
- 2017 - 2020 **Graduate School Conference Travel Grant**, Graduate School, Cornell University
- 2017, 2020 **Einaudi Center International Research Travel Grant**, Mario Einaudi Center for International Studies, Cornell University
- 2015 - 2022 **Ananda Mahidol Foundation Scholarship for Post-Graduate Degree**, Ananda Mahidol Foundation
- 2014 - 2016 **H.M. the King Bhumibol Adulyadej's 72nd Birthday Anniversary Scholarship**, Chulalongkorn University
- 2011 - 2014 **Honors Program Scholarship**, Faculty of Arts, Chulalongkorn University
- 2010 - 2014 **Government Saving Bank Corporate Social Responsibility Foundation's Scholarship**, Government Saving Bank Corporate Social Responsibility Foundation, Thailand
- 2013 **Phra Varavedayabhisith's Scholarship**, Faculty of Arts, Chulalongkorn University
- 2011 **Professor Rong Sayamanond's Scholarship**, Faculty of Arts, Chulalongkorn University

RESEARCH ASSISTANTSHIPS

- 2017 **Transphonologization of registers to tones**
Fieldwork assistant (Supervisors: Marc Brunelle, James Kirby)
- 2015 - 2016 **Change of vowel length: signification to present-day Thai writing system**
Research assistant (Supervisor: Pittayawat Pittayaporn)
- 2013 - 2016 **Thailand National Historical Corpus**
Research assistant (Supervisor: Pittayawat Pittayaporn)

TEACHING EXPERIENCES

- 2/2023 **2209705 Seminar in Phonetics and Phonology**
Topic: Phonetics and Phonology of Southeast Asian Languages
Chulalongkorn University, Thailand
Instructor
- 2/2021, 22, 24 **2209683 Quantitative Methods in the Study of Language**
Chulalongkorn University, Thailand
Instructor
- 2/2015 **2209161 Introduction to Language**
Chulalongkorn University, Thailand
Teaching assistant – led weekly discussions sections, graded homework, and helped preparing materials for classes
- 2/2014 **2209375 Language in ASEAN Plus 3**
Chulalongkorn University, Thailand
Teaching assistant – graded homework and helped preparing materials for classes

FIELDWORK EXPERIENCES

2023, 2024	Mon (Samut Sakorn, Thailand)
2022, 2023	Eastern Khmu (Uthai Thani, Thailand)
2021	Chanthaburi Khmer (Chanthaburi, Thailand)
2020	Standard Khmer (Nakorn Pathom, Thailand)
2017	Northern Khmu (Nan, Thailand)
2015	Lao Krang (Uthai Thani, Thailand)

SKILLS**Languages**

Thai (Native); English (Proficient); Khmer (Advanced); Italian (Intermediate); French, German (Basic Reading Skill)

Programming languages

MATLAB, R (Proficient); Python, Java, Praat Scripting, (Familiar); HTML, E-Prime (Some Experience)

Computational skills

Praat, Microsoft Office (Proficient); LaTeX (Familiar)

Others

IPA transcription