Huteng Dai

Rutgers University
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Research Interests

THEORETICAL AND METHODOLOGICAL:

Computational linguistics • Output-driven optimization-based models e.g. Maximum Entropy model • Phonology and its interfaces • Laboratory Phonology/Phonetics

EMPIRICAL:

Perceptual similarity • Harmony system • Tone and prosody

Education

2018-present   PHD STUDENT, Department of Linguistics, Rutgers University, New Brunswick
2014-2018   BA, Capital Normal University [首都师范大学], Beijing
Thesis: A CONSTRAINT-BASED ANALYSIS OF DISYLLABIC TONE SANDHI IN LINCHUAN.
Advisor: Zihe Li (now at Peking University)

NON-DEGREE

2019   LSA Linguistics Institute, University of California, Davis
2018   Linguistics Institute of China, Capital Normal University, Beijing
2017   LSA Linguistics Institute, University of Kentucky
2017   *Exchange student*, Department of Linguistics, University of California, Santa Barbara

Publications

JOURNAL ARTICLES

2019   Zihe Li, Jingjing Pan, and **Huteng Dai**. Nasal sound changes in Naish languages 纳西语与鼻音相关的语音演变. *Bulletin of Linguistic Studies* 语言研究集刊, 23, 2019

PEER-REVIEWED CONFERENCE PROCEEDINGS

2020   **Huteng Dai** & Richard Futrell. Information-theoretic characterization of the subregular hierarchy. In *Proceedings of the Society for Computation in Linguistics*, volume 3, 2020
to appear   **Huteng Dai**. Learning nonlocal phonotactics with strictly piecewise model. In *Proceedings of the Annual Meetings on Phonology (AMP) 2020*, to appear
to appear   **Huteng Dai**. Gradient similarity in lezgian laryngeal harmony: representation & computation. In *Proceedings of the 26th West Coast Conference on Formal Linguistics*, to appear
to appear   Wenyue Hua, Adam Jardine, and **Huteng Dai**. Subregular induction of underlying representations and a phonological grammar. In *Proceedings of the 26th West Coast Conference on Formal Linguistics*, to appear

Presentations

2020 **Huteng Dai**. Gradient similarity in Lezgian laryngeal harmony: representation and computation. Talk presented at West Coast Conference in Formal Linguistics (WCCFL), Vancouver, BC Canada.

2020 Wenyue Hua, Adam Jardine, and **Huteng Dai**. A subregular approach to the problem of learning underlying representations. Poster presented at West Coast Conference in Formal Linguistics (WCCFL), Vancouver, BC Canada.

2020 **Huteng Dai**. Gradient similarity in Lezgian laryngeal harmony: representation and computation. Talk presented at Berkeley Linguistics Society (BLS) Workshop "Phonological Representations: at the crossroad between gradience and categoricity", Berkeley, CA.

2020 **Huteng Dai** & Richard Futrell. Information-theoretic Characterization of the Sub-regular Hierarchy. Talk + Poster presented at Society for Computation in Linguistics "Workshop on Formal Language Theory in Linguistics", New Orleans, LA.

2020 **Huteng Dai**. Scalar similarity and gradient featural representation in Lezgian laryngeal harmony. Poster presented at the 94th Annual Meeting of the Linguistic Society of America, New Orleans, LA.

2019 **Huteng Dai**. Lezgain long-distance laryngeal harmony and gradient symbolic representation. Talk presented at RULing, New Brunswick, NJ.

Working & Teaching Experience

2020 Teaching Assitant, Rutgers University
Introduction to Linguistic Theory;

2018.3-2018.6 Teaching Assitant, Capital Normal University
The Phonetics and Phonology of Chinese;

2018.7-2018.8 Teaching Assitant, Linguistics Institute of China
Phonology II; Instructor: Lian-Hee Wee
Syntax II; Instructor: Wei-Tien Dylan Tsai
Semantics II; Instructor: Haihua Pan

Research Experience

2017.3-2017.6 Research Assistant, University of California, Santa Barbara

2017.1 Fieldwork in Jiangxi Linchuan, Linchuan dialect

2016.7 Fieldwork in Yunnan Lijiang, Moso language (with Zihe Li & Jinjin Pan)

Services

2019.7-present Organizer, Rutgers Prosody Group

2019.7-present Organizer, Rutgers Mathematical and Computational Linguistics Group

2019.7-present Organizer, Rutgers Phonology and Phonetics Research Group (PhonX)

2020.1-2020.7 Tenure-track job search committee (Phonology)

2018.9-2020.1 Editor, Facebook Page, Department of Linguistics, Rutgers University

2018.4-present Organizer & Founder, Bejing P-side Reading Group

Technical Proficiency

Programming Languages: LaTeX, Python, R, Matlab, HTML, CSS
Tools: Git, Ibex Farm, Praat, ELAN, EyeLink, EEG, FSL

Natural Languages

Mandarin Chinese, English, Gan Chinese, Moso (Fieldwork)

Memberships

Rutgers NLP Group, Department of Computer Science
Rutgers Computational Linguistics Lab
Rutgers Phonology and Phonetics Research Group (PhonX)
Rutgers Prosody Group
Bejing P-side Reading Group
Linguistic Society of America (LSA)