

Huteng Dai

Rutgers University
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Research Interests

BROAD:

Phonology and its interfaces • Laboratory Phonology and Phonetics • Computational linguistics • Typology

NARROW:

Phonological Gradience • Consonant harmony • Tone • Formal Language Theory • Information Theory • Optimization-based models: MaxEnt & Noisy HG • Machine Learning • Historical Chinese phonology

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

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

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

- 2018.3-2018.6 Teaching Assistant, CAPITAL NORMAL UNIVERSITY
The Phonetics and Phonology of Chinese;
- 2018.7-2018.8 Teaching Assistant, 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, BEIJING P-SIDE READING GROUP

Technical Proficiency

PROGRAMMING LANGUAGES: \LaTeX , R, Python, MATLAB, Haskell, Java, HTML, CSS

TOOLS: Git, Ilex Farm, Praat, ELAN, EyeLink, EEG

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

BEIJING P-SIDE READING GROUP

LINGUISTIC SOCIETY OF AMERICA (LSA)