

# Huteng Dai

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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

## REFEREED CONFERENCE PROCEEDINGS

- 2020 **Huteng Dai** & Richard Futrell. Information-theoretic characterization of the sub-regular hierarchy. In *Proceedings of the Society for Computation in Linguistics*, volume 3
- 2020 **Huteng Dai**. Scalar similarity and gradient featural representation in Lezgian laryngeal harmony. In *Proceedings of the Linguistic Society of America*, volume 5

## Presentations

- 2020 **Huteng Dai** & Richard Futrell. Information-theoretic Characterization of the Sub-regular Hierarchy. Talk 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.
- 2017 **Huteng Dai**. 43.33 or 33.33 —The Conflict in the Disyllabic Tone Sandhi of Linchuan. Poster presented at LSA Linguistics Institute, University of Kentucky.

## 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

- 2018.1 Fieldwork in Jiangxi Linchuan, Linchuan dialect
- 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)
- 2018-2020 Editor, Facebook Page, Department of Linguistics, Rutgers University
- 2018.4-present Organizer & Founder, BEIJING P-SIDE READING GROUP
- 2018.7-2018.8 Website Designer (<https://linc2018.wordpress.com>), Linguistics Institute of China

## Technical Proficiency

PROGRAMMING LANGUAGES:  $\text{\LaTeX}$ , 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)