# 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

## Presentations

2020 **Huteng Dai**. Scalar similarity in Lezgian laryngeal harmony: gradient 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**. Scalar similarity and gradient featural representation in Lezgian laryngeal harmony. 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 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, R, Python, Matlab, Haskell, Java, HTML, CSS
Tools: Git, Ibex 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
Bejing P-side Reading Group
Linguistic Society of America (LSA)

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