

# Dr. phil. Simon Roessig

Postdoctoral researcher, University of Cologne

simon.roessig@uni-koeln.de · www.simonroessig.de · orcid.org/0000-0001-6413-1761

## Research interests

Prosody, articulation, laboratory phonology, categoriality and continuity in speech, dynamical models, gestural models of speech production, prosodic expression of information structure and information status, prosody in 2<sup>nd</sup> language acquisition, transcription of intonation

## Educational background

- 04/2017–06/2020    PhD in Phonetics, University of Cologne, *summa cum laude*  
Title: “Categoriality and continuity in prosodic prominence”  
Supervisors: Doris Mücke and Martine Grice  
Awarded with the Offermann-Hergarten Prize
- 10/2012–06/2014    MA in Linguistics (specialization: Phonetics), University of Cologne, *with distinction (1.0)*
- 10/2009–07/2012    BA in Linguistics & Phonetics and Information Processing (digital humanities), University of Cologne, *with distinction (1.0)*

## Professional experience

- 01/2021–present    Postdoctoral researcher, CRC 1252 ‘Prominence in Language’, project A04, IfL–Phonetik, University of Cologne
- 01/2017–12/2020    Doctoral researcher, CRC 1252 ‘Prominence in Language’, project A04, IfL–Phonetik, University of Cologne  
[Parental leave from 04/2020 to 07/2020]
- 02/2015–11/2016    Software developer, North Rhine-Westphalian Library Service Centre
- 03/2010–08/2015    Student assistant, IfL–Phonetik, University of Cologne

## Awards

**Walter Benjamin postdoc fellowship** of the German Research Foundation to conduct research at the Cornell University (2 years)

**Offermann-Hergarten Prize** of the Faculty of Arts and Humanities of the University of Cologne for my dissertation *Categoriality and continuity in prosodic prominence*, 2021

**Best Student Paper Award** of the “16th Conference on Laboratory Phonology” for my poster “The phonetics and phonology of focus marking – an integrated perspective”, 2018

**Best Student Paper Award** of the conference “Phonetics and Phonology in Iberia” for my talk “The Role of Tonal On-glides in German Nuclear Pitch Accents”, 2013

## Publications

Note: prior to 2019 I published under my former name *Ritter*.

### Monograph

**Roessig, S.** (2021). *Categoriality and continuity in prosodic prominence* (Studies in Laboratory Phonology). Berlin: Language Science Press. DOI: 10.5281/zenodo.4121875.

### Peer-reviewed journal articles

**Roessig, S., B. Winter & D. Mücke** (2022). Tracing the phonetic space of prosodic focus marking. *Frontiers in Artificial Intelligence* 5. DOI: 10.3389/frai.2022.842546.

**Roessig, S. & D. Mücke** (2019). Modeling dimensions of prosodic prominence. *Frontiers in Communication* 4(44). DOI: 10.3389/fcomm.2019.00044.

**Roessig S., D. Mücke & M. Grice** (2019). The dynamics of intonation: Categorical and continuous variation in an attractor-based model. *PLoS ONE* 14(5). DOI: 10.1371/journal.pone.0216859.

Grice, M., **S. Ritter**, H. Niemann & T. B. Roettger (2017). Integrating the discreteness and continuity of intonational categories. *Journal of Phonetics* 64. 90-107. DOI: 10.1016/j.wocn.2017.03.003.

**Ritter, S. & M. Grice** (2015). The role of tonal onglides in German nuclear pitch accents. *Language and Speech* 58(1). 114-128. DOI: 10.1177/0023830914565688.

### Peer-reviewed conference proceedings

**Roessig, S., L. Pagel & D. Mücke** (2022). Speaking loudly reduces flexibility and variability in the prosodic marking of focus types. *Proceedings of Speech Prosody 2022*. DOI: 10.21437/SpeechProsody.2022-102.

Lorenzen, J., **S. Roessig**, S. Baumann (2022). Information status and tonal context jointly modulate prosodic prominence relations in German. *Proceedings of Speech Prosody 2022*. DOI: 10.21437/SpeechProsody.2022-2.

**Roessig, S., D. Mücke & L. Pagel** (2019). Dimensions of prosodic prominence in an attractor model. *Proceedings of Interspeech 2019*. DOI: 10.21437/Interspeech.2019-2227.

Kügler, F., B. Smolibocki, D. Arnold, S. Baumann, B. Braun, M. Grice, S. Jannedy, J. Michalsky, O. Niebuhr, J. Peters, **S. Ritter**, C. Röhr, A. Schweitzer, K. Schweitzer & P. Wagner (2015). DIMA – Annotation guidelines for German intonation. *Proceedings of the 18th International Congress of Phonetic Sciences*. Paper number 317. URL: <https://www.internationalphoneticassociation.org/icphs-proceedings/ICPhS2015/Papers/ICPHS0317.pdf>

**Ritter, S. & T. B. Roettger** (2014). Speakers modulate noise-induced pitch according to intonational context. *Proceedings of the 7th International Conference on Speech Prosody*. DOI: 10.21437/SpeechProsody.2014-166.

### Other conference proceedings

Pagel, L., **S. Roessig**, & D. Mücke (2021). Modifications of tongue body kinematics as a focus marking strategy in German. *Proceedings of the 12th International Seminar on Speech Production*. DOI: 10.5281/zenodo.5081658

## Presentations

Note: prior to May 2019 I gave presentations under my former name *Ritter*.

### Invited talks

**Roessig, S.** (2022). Two dimensions of prominence relations: prosodic focus marking in habitual and loud speech. Invited talk at IPS Munich, May 11 2022.

**Roessig, S.** (2022). Prominence relations on two axes: evidence from focus marking in habitual and loud speech. Invited talk at the University of Bielefeld, work group phonetics and phonology, April 5 2022.

**Roessig, S. & D. Mücke** (2020). Prosodic prominence: discreteness, gradience, and a dynamical systems account. Invited talk at the University of Bielefeld, Phonetics and phonology work group, January 8 2020.

**Ritter, S. & D. Mücke** (2019). Prosodic variation from a dynamical perspective. Invited talk at the University Hamburg, Institut für Romanistik, January 8 2019.

**Ritter, S. & D. Mücke** (2018). Prosody in a dynamic systems account. Invited talk at the University Potsdam, Linguistics Department, November 14 2018.

### Selected talks and posters at international conferences and workshops

Pagel, L., **S. Roessig** & D. Mücke (2021). Prominence relations and articulatory modifications in habitual and loud speech. Talk at Phonetics and Phonology in Europe, June 21-23 2021, Barcelona, Spain.

Pagel, L., **S. Roessig**, D. Mücke (2020). Modifications of tongue body kinematics as a focus marking strategy in German. Poster presentation at 12th International Seminar on Speech Production, December 14–18 2020, Rhode Island, USA.

Pagel, L., **S. Roessig** & D. Mücke (2019). Prosodic strengthening in German: an investigation of tongue body kinematics. Talk at 15. Phonetik und Phonologie Tagung, September 27 2019, Düsseldorf, Germany.

**Roessig, S.**, D. Mücke & L. Pagel (2019). Dimensions of prosodic prominence in an attractor model. Talk at Interspeech, September 15-19 2019, Graz, Austria.

**Roessig, S. & D. Mücke** (2019). Prosodic variation in a multi-dimensional dynamic system. Talk at Phonetics and Phonology in Europe, June 17-19 2019, Lecce, Italy.

**Ritter, S. & D. Mücke** (2018). Continuity and categoriality in prosodic prominence – the case of focus marking. Talk at the 2nd International Conference “Prominence in Language”, July 11-13 2018, Cologne, Germany.

**Ritter, S. & D. Mücke** (2018). The phonetics and phonology of focus marking – an integrated account. Poster presentation at 16th Conference on Laboratory Phonology, June 19-22 2018, Lisbon, Portugal.

**Ritter, S. & T.B. Roettger** (2014). Speakers modulate noise-induced pitch according to intonational context. Poster presentation at the 7th International Conference on Speech Prosody, May 20-23 2014, Dublin, Ireland.

**Ritter, S. & M. Grice** (2013). Tonal Onglides of Nuclear Pitch Accents in German. Talk at Nijmegen-Cologne Prosody Meeting, July 1 2013, Cologne, Germany.

**Ritter, S. & M. Grice** (2013). The Role of Tonal Onglides in German Nuclear Pitch Accents. Talk at Phonetics and Phonology in Iberia, June 25-26 2013, Lisbon, Portugal.

## Teaching & supervision

Winter term 2021/22	Paris-Cologne MA seminar on variability in speech production and perception, with Doris Mücke and Ioana Chitoran (Université Paris Diderot)
Summer term 2021	Co-supervision (with Doris Mücke) of master's thesis: Lena Pagel, " <i>Articulatory signatures of focus marking in habitual and loud speech</i> "
Winter term 2018/19	Continuity in Phonology (MA seminar), with Martine Grice
Winter term 2018/19	Co-supervision (with Doris Mücke) of bachelor's thesis: Lena Pagel, " <i>Eine artikulatorische Studie zur Prominenzmarkierung im Deutschen: Die Kinematik des Zungenrückens</i> " (awarded with the Prize of the Faculty for Arts and Humanities at the University of Cologne)
Summer term 2017	Grundlagen der Laborphonologie (BA seminar), with Martine Grice
Winter term 2013/14	Laboratory Phonology II (MA seminar), with Timo B. Roettger

## Miscellaneous

### Memberships

Association for Laboratory Phonology  
International Speech Communication Association (ISCA)  
International Phonetic Association (IPA)  
Cologne Center of Language Sciences (CCLS)

### Reviewing

Journal of Phonetics (Journal)  
Memory & Cognition (Journal)  
Languages (Journal)  
Speech Prosody (Conference)  
LabPhon (Conference)

### Technical skills

Python, R, MATLAB, Java, JavaScript, HTML/CSS, Praat script, git, L<sup>A</sup>T<sub>E</sub>X