

## SIMONE RAMELLO

### ... RESEARCH AREA AND INTERESTS

*Mathematical logic and algebra.* More specifically,

- > model theory and algebra of valued difference fields,
- > definability of henselian valuations.

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### ... EDUCATION

- 2021 - now PhD (*Dr. rer. nat.*) in Mathematics  
🎓 University of Münster 👤 Supervised by M. Hils and F. Jahnke
- 2019 - 2021 Master of Science (*Laurea magistrale*) in Mathematics, 110/110 *cum laude*  
🎓 Università degli Studi di Torino 👤 Thesis supervised by M. Hils, F. Jahnke, and D. Zambella
- 2016 - 2019 Bachelor of Science (*Laurea triennale*) in Mathematics, 110/110 *cum laude*  
🎓 Università degli Studi di Torino 👤 Thesis supervised by A. Andretta (AILA 2020 Thesis Prize)

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### ... EMPLOYMENT

- 2021 - now Wissenschaftlicher Mitarbeiter (75%)  
🏛️ University of Münster, Institute for Logic and Foundational Research
- 2022 - 2023 Technical support for hybrid workshops (25%)  
🏛️ University of Münster, Cluster of Excellence Mathematics Münster

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### ... CONTRIBUTED AND SEMINAR TALKS (SELECTION)

- 14/12/2023 *A model-theoretic stroll through the fields*  
📍 Séminaire Compréhensible, Institut Fourier, Grenoble
- 13/11/2023 *The Kaplansky theory of non-inversive valued difference fields*  
📍 GeoMod Final Conference, Freiburg
- 07/11/2023 *Definable henselian valuations and independent defect*  
📍 Séminaire Théorie des Modèles et Groupes, IMJ-PRG, Paris
- 09/10/2023 *Defining henselian valuations: not all defect is created equal*  
📍 Séminaire Général de Logique, IMJ-PRG, Paris
- 04/10/2023 *Definability of henselian valuations in positive characteristic* (with M. Ketelsen)  
📍 PhDs in Logic 2023, Granada
- 21/09/2023 *How I Learned to Stop Worrying and Love Definable Henselian Valuations*  
📍 Spectra LGBTQ+ Mathematics Conference 2023, Online
- 06/08/2023 *Axiomatizing valued difference fields: beyond surjectivity*  
📍 International Seminar, Algebra Institut, Dresden

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### ... RESEARCH VISITS

- 09/10 - 11/11/2023 IMJ-PRG, Université Paris Cité & DMA, École normale supérieure, Paris  
👤 Hosts: Sylvie Anscombe, Silvain Rideau-Kikuchi

- 06/06 - 11/06/2023 Algebra Institut, Technische Universität Dresden, Dresden  
👤 Host: Piotr Szewczyk
- 02/11 - 09/11/2022 Kurt Gödel Research Center, Vienna  
👤 Host: Martin Hils
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### ... ORGANIZING

- 2021 - 2023 Münster-Düsseldorf-Bonn GeSAMT  
📍 University of Münster, University of Düsseldorf, University of Bonn
- 21/12 - 22/12/2023 Welcome Home 2023  
📍 Dipartimento di Matematica, Università degli Studi di Torino, Torino
- 2022 - 2023 Informal PhD Seminar  
📍 Mathematics Münster Graduate School, Münster
- 07/03 - 11/03/2023 European Conference on Interdisciplinary Model Theory  
📍 Cluster of Excellence Mathematics Münster, Münster
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### ... TEACHING AND SUPERVISION

- Summer 2023 Co-supervision of A. Ahmadi's bachelor thesis  
👤 Main supervisor: F. Jahnke 🏛 Bachelor of Education, University of Münster
- Summer 2023 Teaching Assistant for *Einführung in die Algebra* (with M. Ketelsen)  
👤 Lectured by F. Jahnke 🏛 University of Münster
- Summer 2022 Teaching Assistant for *Logik III - NIP Theories*  
👤 Lectured by M. Hils 🏛 University of Münster
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### ... INSTITUTIONAL ROLES

- 2022 - 2024 Commissioner (Early Career Committee)  
📍 Cluster of Excellence Mathematics Münster
- 2022 & 2024 Spokeperson  
📍 Mathematics Münster Graduate School
- 2019 - 2021 Student Representative  
📍 Dipartimento di Matematica, Università degli Studi di Torino
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### ... OUTREACH AND WRITING

- 09/12/2023 *Stories make us human – Bridging the payoff versus process gap in mathematics*  
📖 Mitteilungen der Deutschen Mathematiker-Vereinigung 🔗 available online
- 06/05/2023 *Changing the Narratives in Mathematics*  
📖 FancyComma 🔗 available online
- 25/04/2023 *How hard is it to tell dynamical systems apart?*  
📖 MathStatBites 🔗 available online