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SIMONE RAMELLO

··· RESEARCH AREA AND INTERESTS

Mathematical logic and algebra. More specifically,

> model theory and algebra of valued difference fields,

> definability of henselian valuations.

··· 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)

··· EMPLOYMENT

2021 - now Wissenschaftlicher Mitarbeiter (75%)
🏛 University of Münster, Institute for Logic and Foundational Research

2024 Science communication and outreach (25%)
🏛 University of Münster, Cluster of Excellence Mathematics Münster

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

⋯ RESEARCH VISITS

09/10 - 11/11/2023	IMJ-PRG, Université Paris Cité & DMA, École normale supérieure, Paris
	👥 Hosts: Sylvy 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

⋯ 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

⋯ 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

⋯ 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

⋯ 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

📅 December 24, 2023