Damaris Meier

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Education

10/2020 - today	**PhD in Mathematics** under the supervision of Stefan Wenger, University of Fribourg, Switzerland
01/2023 - 07/2023	**Research stay** under the supervision of Dimitrios Ntalampekos, Stony Brook University, New York, USA
09/2019 - 09/2020	**Master of Science in Mathematics**, University of Bern, Switzerland
09/2015 - 09/2019	**Bachelor of Science in Mathematics**, Minor in Computer Science and Physics, University of Bern, Switzerland

Employment

10/2020 - today	**Diploma assistant**, Department of Mathematics, University of Fribourg, Switzerland
01/2023 - 07/2023	**Visiting PhD student**, Stony Brook University, New York, USA, with Doc.Mobility grant of the University of Fribourg
02/2021 - 12/2022	**ICT technician**, Department of Mathematics, University of Fribourg, Switzerland
09/2017 - 05/2020	**Teaching assistant**, Mathematical Institute, University of Bern, Switzerland

Publication list

[5] with Kai Rajala: *Mappings of finite distortion on metric surfaces*, Preprint arXiv: 2309.15615, 2023.

[4] with Dimitrios Ntalampekos: *Lipschitz-Volume rigidity and Sobolev coarea inequality for metric surfaces*, J. Geom. Anal. 34 (2024), No. 5, Paper No. 128.

[3] *Quasiconformal uniformization of metric surfaces of higher topology*, Indiana Univ. Math. J., to appear.

[2] with Martin Fitzi: *Canonical parametrizations of metric surfaces of higher topology*, Ann. Fenn. Math.48 (2023), No. 1, 67–80.

[1] with Stefan Wenger: *Quasiconformal almost parametrizations of metric surfaces*, J. Eur. Math. Soc. (JEMS), to appear.

Prizes, awards, fellowships

01/2023 - 07/2023   *Doc.Mobility* grant of the University of Fribourg (7 months research stay abroad and travel funds for conferences)

Scientific talks

02/2024   *Geometric analysis seminar*, University of Jyväskylä

01/2024   *Firbourg seminars on analysis and geometry on metric spaces*, University of Fribourg

04/2023   *AMS Spring Eastern Sectional Meeting*, online

03/2023   *Differential Geometry and Geometric Analysis Seminar*, Princeton University

03/2023   *Analysis Seminar*, University of Tennessee, Knoxville

02/2023   *Analysis Seminar*, Stony Brook University

09/2022   *Geometry Graduate Colloquium*, ETH Zürich

05/2022   *Oberseminar Differentialgeometrie*, Max Planck Institute Bonn

04/2022   *Oberseminar Geometrie*, University of Fribourg

12/2021   *Bernoullis Tafelrunde*, University of Basel

11/2021   *Quasiworld Seminar*, online

10/2021   *Oberseminar Geometrie*, University of Fribourg

Attended conferences, workshops and schools

08/2023   *Analysis & beyond: a conference in honour of Luigi Ambrosio's 60th birthday*, Zürich

08/2023   *Quasiworld Workshop*, Helsinki

08/2023   *The 32nd Jyväskylä Summer School*, Jyväskylä

04/2023   *AMS Spring Eastern Sectional Meeting, Special Session on Quasiconformal Analysis and Geometry on Metric Spaces*, online

11/2022   *Discrete and locally compact groups: geometry and analysis*, Lyon

07/2022   Mentor at *Metric Geometry and Geometric Analysis Summer School*, Oxford

06/2022   *Young Women in Geometric Analysis*, Bonn

06/2022   *Differential Geometry in the Large*, Karlsruhe

Teaching experience

University of Fribourg	Analysis, introduction to numerical analysis, propedeutic analysis
University of Bern	Analysis, differential geometry, mappings of metric spaces, mathematics for biology students, numerical analysis

Organized research activities

02/2022 - today	Co-founder and co-organizer of the Bern–Fribourg graduate seminar, www.unifr.ch/math/en/gradseminar
11/2023	Co-organizer of the 22th CUSO Graduate Colloquium, *University of Fribourg*

Other activities and outreach

10/2023	Leonardo Math Camp, *Camp for highschool students*, Les Diablerets
2017 - today	Informational events about math studies and women in STEM (TecDays, Science for youth, Maths week, Explora, national future day, Infodays, ...)

Personal skills

Languages	German/Swiss German: Native, English: Advanced, French: Beginner
Software	LaTeX, Inkscape, Java, Python, Mathematica, MatLab, R