Mireille Soergel

Curriculum Vitae

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Education

since Oct 2019	**PhD in Mathematics**, *Université de Bourgogne*, Dijon, France. Advisors: Thomas Haettel (Université de Montpellier, France) and Luis Paris Working title: *The $K(\pi,1)$ conjecture for Artin groups*
April 2016–March 2019	**Master of Science in Mathematics**, *Ruprechts-Karls-Universität*, Heidelberg, Germany. Thesis: *Simplicial complexes associated to two-generated Artin groups* Supervisors: JProf. Dr. Maria Beatrice Pozetti and JProf. Dr. Petra Schwer (Karlsruhe Institute of Technology, Germany)
Sep 2011–April 2016	**Bachelor of Science in Mathematics**, *ETH Zürich*, Zürich, Switzerland. Thesis: *Complete minimal systems in $\ell_\infty(\omega)$* Supervisor: Dr. Lorenz Halbeisen

Experience

since Oct 2022	**Scientific Assistant**, *ETH Zürich*, Zürich, Switzerland.
Oct 2019–Sept 2022	**Doctoral contract**, *Université de Bourgogne*, Dijon, France.

Teaching

since March 2020	**Teaching assistant**, *Université de Bourgogne*, Dijon, France. Fall Semester 2021: Maths 1B (Logic and Algebra) (30 hours/semester) Spring Semester 2021: Maths 2A (Analysis) (30 hours/semester) Fall Semester 2020: Maths 2B (Logic and Algebra) (30 hours/semester) Spring Semester 2020: Mathematics applied to Biology (10 hours/semester)
Oct 2016–March 2018	**Teaching assistant**, *Ruprechts-Karls-Universität Heidelberg*, Heidelberg, Germany. Winter Semester 2017/2018: Linear Algebra I Summer Semester 2017: Linear Algebra II Winter Semester 2016/2017: Linear Algebra I each including grading weekly exercise sheets and final exams
Feb 2015–June 2015	**Teaching assistant**, *ETH Zürich*, Zürich, Switzerland. Numerical Analysis II, including grading weekly exercise sheets

Research

Publications

2022 M. Soergel, *Systolic complexes and group presentations*, accepted, Groups, Geometry and Dynamics

Talks

Nov 2022 upcoming, Orsay (France), Paroles aux Jeunes Chercheuses et Chercheurs du GDR Platon

Nov 2022 Zürich (Switzerland), Geometry Seminar, *A generalized Davis-Moussong complex for Dyer groups*

Aug 2022 Amiens (France), Journées Tresses, *Dyer groups are CAT(0)*

July 2022 Vienna (Austria), Summer topology conference, *Dyer groups are CAT(0)*

May 2022 Montpellier (France), Workshop Tresses, MCG et Khovanov-Seidel, *Structures de Garside sur les groupes libres*

Feb 2022 online, Séminaire virtuel francophone Groupes et Géométries, *Présentations systoliques et groupes de Garside*

Dec 2021 Münster (Germany), Tea Seminar, *Systolic complexes and Garside groups*

Dec 2021 online, Bielefeld (Germany), Oberseminar Groups and Geometry, *Systolic complexes and group presentations*

Oct 2021 Dijon (France), Séminaire GADT, *Complexes systoliques et groupes de Garside*

Sep 2021 Kleebach (France), Meeting Groups and Geometry, *Systolic complexes and Garside groups*

June 2021 online, Oxford (UK), Junior Topology and Group Theory Seminar, *Systolic complexes and group presentations*

June 2021 Nearly Carbon Neutral Geometric Topology Conference, Video recording, *Systolic complexes and group presentations*

Dec 2020 online, Rennes (France), Séminaire Pampers, *Complexes systoliques et graphes de Cayley*

Dec 2020 online, Montpellier (France), Séminaire des doctorants, *Complexes systoliques et graphes de Cayley*

Conferences attended

Juin 2022 Paris (France), Hyperbolic groups and their generalisations

April 2022 Marseille (France), Groups acting on fractals

Jan 2022– Montpellier (France), Scientific visit to Thomas Haettel
June 2022

Dec 2021 Dijon(France), Winterbraids XI

Nov 2021 Nice (France), Scientific visit to Indira Chatterji

Nov 2021 Marseille (France), Paroles aux jeunes chercheurs en Géométrie et Dynamique

Sep 2021 Berlin (Germany), The dual approach to Coxeter and Artin groups; Garside theory and applications

July 2021	Online, Young Geometric Group Theory X
May 2021	Online, Workshop Perspectives on Artin Groups
April 2021	Online, Second Meeting of AlMaRe
Dec 2020	Online, Paroles aux jeunes chercheurs en Géométrie et Dynamique
June 2020	Online, Artin groups, CAT(0) geometry and Related topics
March 2020	Montpellier (France), Scientific visit to Thomas Haettel
Feb 2020	Saint-Jacut-de-la-Mer (France), Young Geometric Group Theory IX
Feb 2020	Pisa (Italy), Winterbraids X
Jan 2020	Dijon (France), First Meeting of AlMaRe
Nov 2019	Montpellier (France), Scientific visit to Thomas Haettel
Nov 2019	Nancy (France), Paroles aux jeunes chercheurs en Géométrie et Dynamique
Nov 2019	Dijon (France), Low dimensional actions of 3-manifold groups
Oct 2019	Caen (France), Journées Normandes en Topologie
Jan 2019	Marseille (France), Master Class Groups and Geometries
Sep 2018	Bochum (Germany), Summer School – New Perspectives in Hyperplane Arrangements
May 2018	Heidelberg (Germany), Meeting of the German Chapter of European Women in Mathematics (EWM)

Volunteer Work

June 2021 – June 2022	Elected PhD student representative in the department council
March 2021 – Jan 2022	Organizer of the mathematics PhD students seminar in Dijon
Oct 2017– Oct 2018	Elected member of the mathematics departement council (Fakultätsrat) as a students representative
Oct 2017– Oct 2018	Member of the undergrad committee (Studienkommission) for mathematics as a students representative
Feb 2016– May 2016	Editor of VAMP, the ETH maths and physics students' journal

Languages

French	native
German	native
English	proficient

Music   I play viola in a amateur orchestra, the Société philharmonique de Dijon (France). Previously, I was a soprano singer in the choir Studentenkantorei in Heidelberg (Germany).