Lawk Mineh

CONTACT INFORMATION

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EDUCATION

PhD in Mathematics   Oct. 2020 – Sep. 2024
University of Southampton, Southampton, UK
Thesis title: Quasiconvexity and separability in relatively hyperbolic groups
Supervisor: Ashot Minasyan

Master of Mathematics   Oct. 2015 – June 2019
University of Warwick, Coventry, UK (1st class Hons.)
Dissertation: Boundaries of relatively hyperbolic groups, supervised by Saul Schleimer

EMPLOYMENT HISTORY

Postdoctoral researcher, *University of Bonn*	Oct. 2024 – Present
Teaching assistant and marker, *University of Southampton*	Oct. 2020 – May. 2024
Private tutor, *Ivy Education*	Aug. 2019 – Sep. 2020
Undergraduate supervisor, *University of Warwick*	Oct. 2018 – June 2019
Teaching assistant, *Further Mathematics Support Program*	Jan. 2018 – Apr. 2019

RESEARCH INTERESTS

Geometric, combinatorial, and topological methods in group theory. Hyperbolic groups and their generalisations. Profinite and residual properties of groups.

PUBLICATIONS

1. *Tiling in some nonpositiely curved groups*, with J. MacManus.
   Preprint, submitted (2024), arXiv:2401.09545

2. *Structure of quasiconvex virtual joins.*   Preprint, submitted (2023), arXiv:2310.00512

3. *Separability in Morse local-to-global groups*, with D. Spriano.
   Bull. Lon. Math. Soc. (2024), doi:10.1112/blms.13121

4. *Quasiconvexity of virtual joins and separability of products in relatively hyperbolic groups*, with A. Minasyan.   To appear, Algbr. Geom. Top. (2022), arXiv:2207.03362

AWARDS

Doctoral College Research Award, *School Winner*, University of Southampton   June 2024

ACTIVITIES

DEDIC representative, *University of Southampton*   Oct. 2022 – Sep. 2024
EDI-based role involving regular meetings with faculty members to discuss the status of equality of diversity within the school and possible approaches to their improvement.

Postgraduate student representative, *University of Southampton*   Oct. 2022 – Sep. 2024
Interfacing between students and faculty on any issues with the department or graduate programme, attending meetings with representatives from other schools within the faculty.

Organiser, *Southampton Pure Mathematics Postgraduate Seminar*   Oct. 2021 – Sep. 2022

Academic support officer, *Warwick Maths Society*   Oct. 2018 – June 2019
Elected role involving organising and running weekly academic help sessions for undergraduates.

Secretary, *Warwick Drumming Society*   Oct. 2018 – June 2019

Undergraduate mentor, *Warwick Maths Society*   Nov. 2017 – June 2018

Selected talks	"Tiling in nonpositively curved groups" Geometric Group Theory Seminar, *University of Bonn*	May 2024
	"Tiling in nonpositively curved groups" Mathematics Seminar, *Royal Holloway, University of London*	March 2024
	"Combining quasiconvex subgroups of relatively hyperbolic groups" Southampton Pure Mathematics Colloquium, *University of Southampton*	May 2023
	"Separability and combinations of quasiconvex subgroups" Junior Geometry Seminar, *University of Cambridge*	February 2023
	"Combining quasiconvex subgroups in hyperbolic groups" Dynamics and Group Geometry Early Researchers Seminar, *University of Warwick*	January 2023
	"Combining quasiconvex subgroups in hyperbolic groups" Bristol Junior Geometry Seminar, *University of Bristol*	November 2022
	"Separability of products in relatively hyperbolic groups" Junior Topology and Group Theory Seminar, *University of Oxford*	October 2022
	"Separability and quasiconvexity in relatively hyperbolic groups" Modern advances in geometric group theory, *University of Manchester*	September 2022
Conference organising	Co-organiser, "Introduction to modern advances in algebra" Grants obtained from Heilbronn Institute and MAGIC consortium *University of Exeter*	February 2024
	Co-organiser, "Early Career Symposium for Topology, Actions, and Symmetry" Grants obtained from LMS and Heilbronn Institute *University of Southampton*	August 2023