Finn McGlade

CONTACT
INFORMATION

University of California: San Diego
Department of Mathematics
6500 Gilman Dr,
San Diego, California 92093 USA

Phone: +1 858 534 35901
`fmcglade@ucsd.edu`

RESEARCH
INTERESTS

Number Theory and Algebra– especially in relation to automorphic forms and theta correspondences

EDUCATION

University of California San Diego, USA

Ph.D. in Mathematics. *(September 2019- June 2025 (expected))*

University of Melbourne, Australia

Bachelor of Science. *(March 2014-December 2018)*

PUBLICATIONS

F. McGlade, A. Ram, Y. Yang *Positive level, negative level, and level zero* to appear in the special volume in conjuction with the conference International Festival in Schubert Calculus, Sun-Yat Sen University, Guangzhou China, 5-11 November 2017.

IN PREPARATION

F. McGlade, A. Pollack, *Quaternionic Functions and Applications*

A. Hilado, F. McGlade, P. Yan, *Fourier Coefficients of Modular Forms on Quaternionic Groups in Type A_n*

J. Johnson-Leung, F. McGlade, I. Negrini, A. Pollack, M. Roy, *The Quaternionic Mass Spezialschar on Split* SO(8)

INVITED
TALKS

AMS Special Session on Geometry and Representation Theory of Quantum Algebras, Riverside, November 2019

UCSD Algebra seminar, San Diego, Febuary 2020

UCSD Graduate Student Workshop in Algebra, Number Theory, and Algebraic Geometry, San Diego, December 2021

UCSD Number Theory Seminar, San Diego, November 2022

AMS Special Session on Automorphic Forms, their Arithmetic, and their Applications, Creighton, October 2023

University of Arizona Number Theory Seminar, Tucson, November 2023

UCSD Number Theory Seminar, San Diego, November 2023

CONFERENCES AND
WORKSHOP
PARTICIPATION

2022 Arizona Winter School: Automorphic Forms Beyond GL_2 at The University of Arizona, Tuscon, AZ, USA. (Winter 2022)

Minimal Representations and the Theta Correspondence at The Erwin Schrödinger Institute for Physics and Mathematics, Vienna, Austria. (Spring 2022)

A Pair of Automorphic Workshops at The University of Oregon, Eugene, OR, USA (Summer 2022)

Squares Workshop at The American Institute of Mathematics, Pasadena, CA , USA (August 2023).

TEACHING EXPERIENCE	Spring	2019	Tutor, Accelerated Mathematics I, The University of Melbourne.
	Fall	2019	Teaching Assistant, MATH 18 Linear Algebra, UCSD.
	Spring	2020	Teaching Assistant, MATH 18 Linear Algebra, UCSD.
	Summer	2020	Teaching Assistant, MATH 103A Modern Algebra, UCSD.
	Fall	2020	Teaching Assistant, MATH 31AH Honours Linear Algebra, UCSD.
	Winter	2021	Teaching Assistant, MATH 187A Intro to Cryptography, UCSD.
	Spring	2021	Teaching Assistant, MATH31CH Honours Vector Calculus, UCSD.
	Summer	2021	Teaching Assistant, MATH 120A Complex Analysis, UCSD.
	Fall	2021	Head Teaching Assistant, MATH 18 Linear Algebra, UCSD.
	Winter	2022	Teaching Assistant, MATH 105 Basic Number Theory, UCSD.
	Winter	2022	Teaching Assistant, MATH 18 Linear Algebra, UCSD.
	Spring	2022	Teaching Assistant, MATH 140B Real Analysis II, UCSD.
	Fall	2022	Teaching Assistant, MATH 100A Abstract Algebra I, UCSD
	Winter	2023	Teaching Assistant, MATH 100B Abstract Algebra II, UCSD
	Spring	2023	Primary Instructor, MATH 20D Differential Equations, UCSD.
	Summer	2023	Teaching Assistant, MATH 20B Calculus II, UCSD.
	Summer	2023	Teaching Assistant, MATH 10A Calculus for Engineers I, UCSD.
	Fall	2023	Teaching Assitant, MATH 2 Intro to College Mathematics, UCSD.
	Winter	2024	Teaching Assistant, MATH 142A Intro to Analysis I, UCSD.

HONORS AND AWARDS	2019–Present	James B. Ax Graduate Fellowship
		University of California, San Diego, Mathematics Department
	2019–Present	Honorary Member at the Institute for Enquiring Minds
		Melbourne, Australia.

RELEVANT SKILLS	Languages:	English (fluent)
		Spanish (basic speaking, intermediate reading and writing)