

Debanjana Kundu

Curriculum Vitae

Last Updated: November 23, 2024

PERSONAL DETAILS

<i>Birth</i>	January 6, 1993
<i>Address</i>	3.434 MAGC, 1201 W. University Drive Edinburg, TX 78539, USA
<i>Mail</i>	dkundu@math.toronto.edu or debanjana.kundu@utrgv.edu

EDUCATION

MA PhD <i>University of Toronto, Toronto, Canada</i>	2015–2020
BS-MS Dual Degree <i>Indian Institute of Science Education and Research, Mohali, India</i> CGPA 9.7	2010–2015

EMPLOYMENT

University of Texas Rio Grande Valley <i>Assistant Professor</i>	September 2023– present
Fields Institute, Toronto <i>Visiting Researcher</i>	January– June 2023
University of British Columbia, Vancouver <i>PIMS PostDoc Fellow</i>	January 2021– December 2022
Université de Montréal <i>CRM PostDoc, Thematic Program: Cohomology in Arithmetic</i>	Fall 2020

AWARDS/ GRANTS/ DISTINCTIONS/ PRIZES

NSF Conference Grant DMS-2442586 <i>Automorphic Forms Workshop 2025 (\$33,800)</i>	2025
AMS–NSF Mentoring Travel Grant <i>pre-tenure travel grant for one month research visit (\$5000)</i>	2025
AMS–Simons Travel Grant <i>Early career travel grant (\$2500/year)</i>	2024–26
Malcolm Slingsby Robertson Prize in Mathematics <i>University of Toronto (best thesis award)</i>	2020
General Motors Women in Mathematics and Science Award <i>University of Toronto</i>	2019–2020
Vivekananda Graduate Award for International Students <i>University of Toronto</i>	2018–2019
Academic Excellence Award (three times) <i>IISER Mohali (for SGPA 10 in three semesters)</i>	2010–2015

FELLOWSHIPS

IAS Summer Research Fellowship <i>Institute for Advanced Study, Princeton</i>	Summer 2022
PIMS Postdoctoral Fellowship <i>University of British Columbia, Vancouver</i>	January 2021– December 2022
CRM Postdoctoral Fellowship <i>Université de Montréal</i>	Fall 2020
MITACS Graduate Fellowship <i>Canada</i>	2015–2018
BIGS Scholarship for Graduate Studies (not availed) <i>Hausdorff Center for Mathematics, Bonn, Germany</i>	2015–2018
TIFR VSRP Fellowship <i>TIFR, India</i>	2015
Rhodes Scholarship finalist (top 18) <i>Oxford University, UK</i>	Class of 2015
MITACS Globalink Research Internship <i>Canada</i>	2014
IAS Summer Fellowship (not availed) <i>Indian Academy of Sciences, India</i>	2013
DAAD WISE Scholarship <i>Germany</i>	2013
JNCASR Summer Fellowship <i>JNCASR, India</i>	2012
INSPIRE Fellowship <i>Department of Science and Technology, Government of India</i>	2010–2015

PUBLICATIONS

1. Statistics for anti-cyclotomic Iwasawa invariants of elliptic curves (with J. Hatley & A. Ray)
Math Z., Volume 307, article number 49, (2024)
2. Studying Hilbert's 10th problem via explicit elliptic curves (with A. Lei & F. Sprung)
accepted for publication in Math Ann.
3. Statistics for Iwasawa Invariants of Elliptic Curves II (with A. Ray)
Int. J. Number Theory (2024), Volume No. 20, Issue No. 04, pp. 1099 – 1124
4. Heuristics for anti-cyclotomic \mathbb{Z}_p -extensions (with L. Washington)
accepted for publication in Experimental Math
5. Cotorsion of anti-cyclotomic Selmer groups on average (with F. Sprung)
Proceedings of the American Math Society 152 (2024), 521-535
6. Rank jumps and growth of Shafarevich–Tate groups for elliptic curves in $\mathbb{Z}/p\mathbb{Z}$ -extensions (with L. Beneish and A. Ray)
J. Aus. Math. Soc., Volume 116 (2024), Issue 1, pp. 1–38
7. Non-vanishing modulo p of Hecke L -values over imaginary quadratic fields (with A. Lei)
accepted for publication in Israel Journal of Math
8. Structure of fine Selmer Groups in p -adic Lie Extensions (with R. Sujatha & F. Nuccio)
Osaka J. Math. 61(1): 121-146 (January 2024).
9. Growth of p -parts of ideal class groups and fine Selmer groups in \mathbb{Z}_q -extensions with $p \neq q$ (with A. Lei)
Acta Arithmetica 207 (2023), no. 4, 297-313
10. λ -invariant stability in Families of Modular Galois Representations (with J. Hatley)
Research in Mathematical Sciences 10 (2023), article number 33

11. On the fine Selmer groups of modular forms and duality (with J. Hatley, A. Lei, & J. Ray)
The Ramanujan Journal (2023) Volume 60, pp. 237–258
12. Control Theorems of Fine Selmer Groups (with M. F. Lim)
Journal de théorie des nombres de Bordeaux, Volume 34 (2022) no. 3, pp. 851–880
13. Iwasawa Invariants for elliptic curves over \mathbb{Z}_p -extensions and Kida’s Formula (with A. Ray)
Forum Math. 34 (2022), no. 4, 945–967
14. Arithmetic Statistics and Non-Commutative Iwasawa Theory (with A. Lei & A. Ray)
Documenta Mathematica (2022) Volume 27, pp. 89–149
15. Statistics for Iwasawa Invariants of Elliptic Curves (with A. Ray)
Transactions of the American Mathematical Society (2021) Volume 374/ Issue 11; pp. 7945–7965
16. Anticyclotomic μ -Invariants of Residually Reducible Galois Representations (with A. Ray)
Journal of Number Theory (2022) Volume 234, pp. 476–498.
17. On an Analogue of Kida’s Formula for Fine Selmer Groups
Journal of Number Theory (2021) Volume 222; pp. 249–261.
18. Perfect Powers that are Sums of Squares of an AP (with V. Patel)
Rocky Mountain Journal of Mathematics (2021) Volume 51 / No. 3 pp. 933–949.
19. Growth of Fine Selmer Groups in Uniform pro- p Extensions
Annales Mathématiques du Québec (2021) Volume 45, pp. 347–362.
20. Growth of p -Fine Selmer Groups and p -Fine Shafarevich-Tate Group in $\mathbb{Z}/p\mathbb{Z}$ -Extensions
Journal of the Ramanujan Math Society (2021) Volume 36, No. 1.
21. Growth of Fine Selmer Groups in Infinite Towers
Canadian Mathematics Bulletin (2020) Volume 63 / Issue 4 pp. 921–936.

PREPRINTS

1. Murmurations of symmetric square of modular forms (with K. Müller) *pre-print available upon request, submitted*
2. Iwasawa Theory of Graphs and their duals (with K. Müller) *available on the arXiv, submitted*
3. Derived p -adic heights and the leading coefficient of the BDP p -adic L -function (with F. Castella, C.-Y. Hsu, Y.-S. Lee, Z. Liu) *pre-print available on arXiv, submitted*
4. On a conjecture of Mazur predicting the growth of Mordell–Weil ranks in \mathbb{Z}_p -extensions (with R. Gajek-Leonard, J. Hatley, A. Lei) *available on the arXiv, submitted*
5. Mazur’s Growth Number Conjecture in the Rank One Case (with A. Lei) *pre-print available upon request, submitted*
6. Beyond Endoscopy via Trace Formula for $\mathrm{GL}(2, F)$ (with M. Emory, M. Espinosa Lara, T.A. Wong) *available on the arXiv, submitted*
7. On the p -ranks of class groups of certain Galois extensions (with U. Asarhasa, R. Gambheera, E. Nunez Lon-wo, A. Sheth) *available on the arXiv, submitted*
8. Class groups and Selmer groups (with Abhishek) *preprint available upon request, submitted*
9. The first level of \mathbb{Z}_p -extensions and compatibility of heuristics (with L. C. Washington) *available on the arXiv, submitted*
10. Elliptic curves of conductor $2^m p$, quadratic twists, and Watkins’s conjecture (with J. Hatley) *available on the arXiv*

SEMINARS

p-ranks of class groups via Galois cohomology <i>Invited talk, Michigan State University</i>	October 2024
Studying Hilbert's 10th Problem via Explicit Elliptic Curves <i>Invited talk, University of Texas Tyler</i>	April 2024
Studying Hilbert's 10th Problem via Explicit Elliptic Curves <i>Invited talk (pure math seminar), UTRGV (Brownsville campus)</i>	April 2024
Beyond Endoscopy via Poisson Summation for $GL(2, K)$ <i>Invited talk, University of Toronto</i>	March 2024
Growth of Mordell–Weil ranks in \mathbb{Z}_p-extensions <i>Invited talk, University of Georgia</i>	February 2024
Growth of Mordell–Weil ranks in \mathbb{Z}_p-extensions <i>Invited talk, UBC Vancouver video</i>	February 2024
Growth of Mordell–Weil ranks in \mathbb{Z}_p-extensions <i>Invited talk, UC Santa Barbara</i>	November 2023
Iwasawa Theory and Arithmetic Statistics <i>Invited talk, IIT Gandhinagar</i>	April 2023
Iwasawa Theory and Arithmetic Statistics <i>Invited talk, Ashoka University</i>	April 2023
$p \neq q$ Iwasawa Theory <i>Invited talk, IISc Bangalore</i>	March 2023
$p \neq q$ Iwasawa Theory <i>Invited talk, ISI Bangalore</i>	March 2023
Heuristics for Iwasawa invariants in anti-cyclotomic \mathbb{Z}_p-extensions <i>Invited talk, University of Waterloo</i>	January 2023
Heuristics for Iwasawa invariants in anti-cyclotomic \mathbb{Z}_p-extensions <i>Invited talk, Arizona State University, Tempe</i>	November 2022
Iwasawa Theory and Arithmetic Statistics <i>Invited colloquium talk, Fordham University</i>	November 2022
Heuristics for Iwasawa invariants in anti-cyclotomic \mathbb{Z}_p-extensions <i>Invited talk, Philadelphia Area Number Theory Seminar, Bryn Mawr</i>	November 2022
Studying Hilbert's 10th Problem via Explicit Elliptic Curves <i>Invited talk, IIT Bombay, India</i>	October 2022
Studying Hilbert's 10th Problem via Explicit Elliptic Curves <i>Invited talk, University of Washington, Seattle</i>	October 2022
Iwasawa Theory and Arithmetic Statistics <i>Invited colloquium talk, HRI Allahabad, India</i>	October 2022
Studying Hilbert's 10th Problem via Explicit Elliptic Curves <i>Invited talk, University of Lethbridge</i>	October 2022
Studying Hilbert's 10th Problem via Explicit Elliptic Curves <i>Invited talk, HRI Allahabad, India</i>	September 2022
Fine Selmer Groups, Modular Forms, and Duality <i>Invited talk, Iwasawa Theory Virtual Seminar video (use passcode: upUiJL8%)</i>	February 2022
Iwasawa Theory and Arithmetic Statistics <i>Invited talk, Fields Institute Number Theory Seminar video</i>	January 2022
Studying Hilbert's 10th Problem via Explicit Elliptic Curves <i>Invited talk, IMSc Chennai, India</i>	August 2022
Iwasawa Theory and Arithmetic Statistics <i>Invited talk, IISER Mohali Online Colloquium video</i>	November 2021
Iwasawa Theory and Arithmetic Statistics <i>Invited talk, Möbius ANT, CRM Montreal</i>	November 2021
Iwasawa Theory and Arithmetic Statistics <i>Invited talk, Ohio State University</i>	October 2021
Iwasawa Theory and Arithmetic Statistics <i>Invited talk, University of Göttingen</i>	June 2021
Iwasawa Theory <i>Invited lecture series (3 lectures), Seoul National University</i>	Summer 2021

Iwasawa Theory of Fine Selmer Groups <i>Invited talk, Number Theory Seminar, University of Toronto</i>	March 2021
Iwasawa Theory of Fine Selmer Groups <i>Invited talk, PIMS Online Colloquium</i>	February 2021
Iwasawa Theory of Fine Selmer Groups <i>Invited talk, Fields Institute Number Theory Seminar video</i>	November 2020
Overview of Iwasawa Theory <i>Invited talk, Junior Number Theory Seminar, University of Toronto</i>	October 2020
Iwasawa Theory of Fine Selmer Groups <i>Invited talk, QVNTS, Montreal</i>	January 2020
Iwasawa Theory and Pseudo-nullity Conjectures <i>Invited talk, Algebra & Number Theory Seminar, Université Laval</i>	January 2020
Pigeonhole Principle and its Applications <i>Graduate Seminar, Department of Math, University of Toronto</i>	January 2020
Möbius Functions and Number Theory <i>Math Camp, Department of Math, University of Toronto</i>	Summer 2019
Fun with Tilings <i>Graduate Seminar, Department of Math, University of Toronto</i>	Fall 2018
What is an Elliptic Curve? <i>Graduate Seminar, Department of Math, University of Toronto</i>	April 2017
Understanding the Rank Distribution Conjecture <i>Graduate Seminar, Department of Math, University of Toronto</i>	November 2016
Principal L-Functions of the Linear Group <i>Department of Math, University of Toronto</i>	August 2016
Linear Groups- Malcev's Theorem and Selberg's Lemma <i>IISER Mohali</i>	April 2014
Proofs of Quadratic Reciprocity <i>Department Colloquium, IISER Mohali</i>	April 2014
27 Lines on a Cubic <i>Department Colloquium, IISER Mohali</i>	November 2013
Introduction to Game Theory <i>Mathematics Club, IISER Mohali</i>	Aug 2012

CONFERENCES, WORKSHOPS AND SUMMER SCHOOLS

ICTS: Automorphic Forms and the Bloch–Kato Conjecture <i>Invited talk</i>	Summer 2025
AMS Fall Central Sectional Meeting <i>Invited talk (session: L-Functions and Automorphic Forms)</i>	September 2024
Canadian Number Theory Association (CNTA) Conference XVI <i>Invited talk video</i>	June 2024
Brin MRC Workshop - Vistas in Number Theory <i>Invited talk</i>	June 2024
Texas-Oklahoma Representations and Automorphic forms (TORA) <i>Invited talk</i>	October 2023
Rethinking Number Theory <i>Project Leader</i>	June 2023
CMS Summer Meeting <i>Invited talk, Session: Arithmetic aspects of automorphic forms</i>	June 2023
Special values of L-functions, Paderborn University (Germany) <i>Invited talk</i>	March 2023
5 Day Workshops at BIRS, Banff <i>Workshop on Arithmetic Aspects of Deformation Theory</i>	January 2023
PRIMA Congress <i>Invited talk, Session: Arithmetic geometry: theory and computation</i>	December 2022
CMS Winter Meeting <i>Invited talk, Session: Diophantine Arithmetic Geometry and Number Theory</i>	December 2022

Pair of Automorphic Workshops <i>part of Castella–Liu research group</i>	August 2022
Women in Maths: Progress and Challenges, IIT Jodhpur <i>Invited talk</i>	May 2022
Maine-Quebec Number Theory Conference <i>Contributed talk</i>	October 2021
Workshop on Arithmetic Statistics Problems <i>Invitation-only Conference</i>	July 2021
CMS Summer Meeting <i>Invited talk, Session: Algebraic Number Theory</i>	June 2021
AIM Workshop, Online <i>Workshop on Arithmetic Intersection Theory on Shimura Varieties</i>	January 2021
John’s Hopkins Junior Number Theory Days <i>Invited Talk notes video</i>	December 2020
Maine-Quebec Number Theory Conference <i>Contributed talk slides video</i>	Fall 2020
CTNT Conference, University of Connecticut <i>Contributed talk slides</i>	June 2020
MAAIM, Emory University <i>Contributed talk</i>	November 2019
Maine-Quebec Number Theory Conference <i>Contributed talk</i>	October 2019
Palmetto Number Theory Seminar (PANTS) XXXII <i>Invited talk</i>	September 2019
Boston University-Keio University Workshop <i>Contributed talk</i>	June 2019
SOGMSC, University of Guelph <i>Contributed talk</i>	June 2019
Analytic & Combinatorial Number Theory, UIUC <i>Contributed talk</i>	June 2019
Montreal-Toronto Workshop in Number Theory, CRM <i>Workshop on p-adic Hodge Theory</i>	March 2019
CNTA Conference, Université Laval <i>Contributed talk</i>	July 2018
CTNT Summer School, University of Connecticut <i>Summer School and Conference</i>	May 2018
Strength in Numbers, Queen’s University <i>Graduate Student Conference, Contributed talk</i>	May 2018
Upstate Number Theory Conference, SUNY Buffalo <i>Young Researchers Conference</i>	April 2018
PIMS Focus Period, UBC Vancouver <i>Focus Period on Representations in Arithmetic</i>	March 2018
Arizona Winter School, Tucson <i>Winter school on Iwasawa Theory</i>	March 2018
Montreal-Toronto Workshop in Number Theory, CRM <i>Workshop on Unitary Shimura Varieties</i>	January 2018
AIM Workshop, San Jose <i>Workshop on Functoriality and the Trace Formula</i>	December 2017
Summer Graduate School, MSRI <i>Summer school on Automorphic Forms and Langlands Program</i>	July 2017
5 Day Workshops at BIRS, Banff <i>Workshop on Diophantine Approximation and Algebraic Curves</i>	July 2017
Montreal-Toronto Workshop in Number Theory, CRM <i>Workshop on Mock Modular Forms</i>	December 2016
PIMS Summer School, UBC Vancouver <i>Summer School on Representation Theory of Finite Groups</i>	July 2016
Summer Graduate School, MSRI <i>Summer school on Introduction to Character Theory and the McKay Conjecture.</i>	July 2016

ORGANIZATION: SEMINARS AND MINI-COURSES

Automorphic Forms Workshop	Spring 2025
<i>co-organizer</i>	
CMS Session on Arithmetic Aspects of Galois representations	Fall 2024
<i>Winter CMS Meeting</i>	
AMS Special Session on Additive Number Theory and Modular Forms	Fall 2024
<i>Fall Central Sectional Meeting</i>	
UTRGV Algebra/Number Theory Seminar	2023 – present
<i>SMSS, UTRGV</i>	
Beyond Endoscopy Mini Conference	April 2023
<i>Lead Organizer</i>	
UBC Number Theory Seminar	2021- 2022
<i>Department of Mathematics, UBC Vancouver</i>	
Learning Seminar on Quadratic Twists	Winter 2021
<i>Iwasawa Seminar, online</i>	
Learning Seminar on Eigenvarieties	Winter 2021
<i>Iwasawa Seminar, Department of Math, UBC Vancouver notes</i>	
Learning Seminar on Euler system and Eisenstein congruences	Fall 2020
<i>Iwasawa Seminar, Department of Math, UBC Vancouver</i>	
CRM Women's Seminar	Fall 2020
<i>Part of the thematic program at CRM</i>	
Learning Seminar on Coleman Families of Modular Forms	Fall 2020
<i>Part of the thematic program at CRM</i>	
Learning Seminar on Abelian ℓ-Adic Representations	Summer 2020
<i>Graduate Seminar, Department of Math, University of Toronto</i>	
CMS Mini-Course on Iwasawa Theory	December 2019
<i>Co-organizer with R. Sujatha</i>	
Learning Seminar on Tate Conjectures	Fall 2019
<i>Graduate Seminar, Department of Math, University of Toronto</i>	
Learning Seminar on p-adic Lie Groups	Summer 2019
<i>Graduate Seminar, Department of Math, University of Toronto</i>	
Learning Seminar on Complex Multiplication	Fall 2018
<i>Graduate Seminar, Department of Math, University of Toronto</i>	
Learning Seminar on Etale Cohomology	Winter 2018
<i>Graduate Seminar, Department of Math, University of Toronto</i>	
Learning Seminar on Beyond Endoscopy	2017–18
<i>Graduate Seminar, Department of Math, University of Toronto</i>	
Learning Seminar on Classical Iwasawa Theory	Fall 2017
<i>Graduate Seminar, Department of Math, University of Toronto</i>	
Introduction to Automorphic Forms and Langlands Program	Fall 2017
<i>Graduate Seminar, Department of Math, University of Toronto</i>	
Summer Learning Seminar on Galois Cohomology	Summer 2017
<i>Graduate Seminar, Department of Math, University of Toronto</i>	
Summer Learning Seminar on Modular Forms	Summer 2017
<i>Graduate Seminar, Department of Math, University of Toronto</i>	

TEACHING ASSISTANCE EXPERIENCE

University of Toronto:

MAT223 (Linear Algebra)	multiple times
<i>Instructor: S. Uppal</i>	
MAT235 (Multivariable Calculus)	multiple times
<i>Instructor: Dr. N. Jung</i>	
MAT237 (Multivariable Calculus)	multiple times
<i>Instructor: Dr. T. Holden, Prof. R. Gerrard</i>	

MAT240 (Linear Algebra for Math Specialists) <i>Instructor: Prof. E. Meinrenken</i>	multiple times
MAT246 (Concepts in Abstract Math) <i>Instructor: Dr. J. Korman, Dr. H. Soheil, Prof. F. Murnaghan, Dr. D. Burbulla</i>	multiple times
MAT247 (Linear Algebra II for Math Specialists) <i>Instructor: Prof. S. Kudla</i>	Winter 2018
MAT315 (Elementary Number Theory) <i>Instructor: Prof. H. Kim</i>	Winter 2020
MAT336 (Elements of Analysis) <i>Instructor: Dr. H. Soheil</i>	Winter 2017
MAT401 (Polynomial Equations and Fields) <i>Instructor: Dr. J. Korman</i>	Summer 2017

TEACHING EXPERIENCE

UTRGV:

MATH2318 (Linear Algebra)	Fall 2024
MATH3363 (Algebra I)	Spring 2024
MATH2413 (Calculus I)	Fall 2023

University of British Columbia (Vancouver):

MAT152 (Linear Systems) <i>Course Coordinator: Prof. K. Karu</i>	Winter 2022
MAT105 (Integral Calculus for Social Sciences and Commerce) <i>Course Coordinator: Prof. K. Liu</i>	Winter 2021

University of Toronto:

MAT237 (Multivariable Calculus) <i>Course Coordinator with Dr. T. Ens, A. Pannu, and Dr. R. Zhu</i>	Summer 2020
MAT136 (Calculus II) <i>Course Coordinator with Dr. D. Le and A. Oswal</i>	Summer 2019
MAT136 (Calculus II) <i>Course Coordinator: Dr. S. Mayes-Tang</i>	Winter 2019
MAT188 (Linear Algebra) <i>Course Coordinator: Dr. D. Burbulla</i>	Fall 2018

ACADEMIC SERVICES

<i>Refereed for</i>	Mathematika, The Ramanujan Journal, Nagoya Math Journal, Annales Mathématiques du Québec, Canadian Math Bulletin, Czechoslovak Mathematical Journal, Forum Mathematicum, Documenta Math, Acta Arithmetica, Abh. Math. Semin. Univ. Hambg.
<i>Reviewer for</i>	Mathematics Reviews, BIRS grant proposals
<i>Examiner for</i>	Christopher M. Stokes (PhD candidate, Arizona State University, 2023) Paul Marsh (Masters thesis committee, UTRGV, Fall 2023) Jacob Gutierrez (Masters thesis committee, UTRGV, Fall 2023)

BACHELORS THESIS/PROJECT SUPERVISION

Alejandro Delgado (UTRGV) <i>Bachelors project</i>	Fall 2024
Raul Marquez (UTRGV) <i>Bachelors capstone project</i>	Fall 2024
Vitthal Yellambalse (BITS Pilani, Goa campus) <i>Bachelors project on theory of cyclotomic fields</i>	Jan – May 2022

Adithya Chakravarthy (University of Toronto)
research on the Iwasawa theory of fine Selmer groups (thesis)

2021 – 2023

MASTERS THESIS/PROJECT SUPERVISION

Ama Quansah (UTRGV)
Masters project

Fall 2024

MENTORSHIP

Undergraduate Mentorship

2021–present

Alejandro Delgado; *UTRGV (Fall 2024): Advanced Linear Algebra.*
Aniruddha Mondal; *IISER Mohali (May–July 2024): p-adic numbers.*
Parkhi Nandini Mandar; *IISER Bhopal (May–July 2024): p-adic numbers.*
Raul Marquez; *UTRGV (Sep 2023–Apr 2024): Theory elliptic curves & topics in number theory.*
Samyak Jha; *IIT Bombay (Sep–Dec 2023): Project on p-adic L-functions.*
Shubrojyoti Dhara; *ISI Bangalore (May–July 2023): Theory of elliptic curves.*
Léonie Chipot; *University of Ottawa (May–June 2023): Proof writing.*

Math Outreach, UofT

2018–2020

Jennifer Wang (2020): *reading project in number theory.*
Maya Bozzo-Rey (2019): *project on Benford's Law.*
Anna Krokhine (2018): *research project on graph theory and combinatorics.*

OTHER SERVICES

CMS Writing Workshop

2024

I was invited to give a presentation on how to write a competitive research statement for major scholarships or fellowships (e.g., PIMS).

Colloquium Committee, UTRGV

2024–2025

I was a member of the committee deciding our colloquium speakers.

EDI Committee, UBC

2021–2022

I was a member of the UBC Math Department Equity, Diversity and Inclusion Committee.

Panelist at MathPath

July 2021

I was a panelist at the MathPath Summer Camp for middle school students talking about hardships faced as a female mathematician.

Outreach, UBC

2021

I was an adjudicator for MURC 2021. This is an undergraduate level multi-disciplinary research conference organized at UBC every year.

REFERENCES

Kumar Murty (murty@math.toronto.edu)

Professor (University of Toronto)

R. Sujatha (sujatha@math.ubc.ca)

Professor (UBC Vancouver)

Henri Darmon (henri.darmon@mcgill.ca)

Professor (McGill University)

Otmar Venjakob (venjakob@mathi.uni-heidelberg.de)

Professor (University of Heidelberg)

Lawrence Washington (lcw@umd.edu)

Professor (University of Maryland)

Antonio Lei (antonio.lei@uottawa.ca)

Professor (University of Ottawa)

Fok-Shuen Leung (fsl@math.ubc.ca)

Undergraduate Chair (Department of Mathematics, UBC Vancouver) – for teaching