Debanjana Kundu

Curriculum Vitae

Last Updated: September 30, 2025

PERSONAL DETAILS

Address CW307.14, URegina, 3737 Wascana Parkway, Regina, SK Canada
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EDUCATION

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

EMPLOYMENT

University of Regina July 2025–present
Assistant Professor

University of Texas Rio Grande Valley September 2023–August 2025
Assistant Professor

Fields Institute, Toronto January–June 2023
Visiting Researcher

University of British Columbia, Vancouver January 2021–December 2022
PIMS PostDoc Fellow
Université de Montréal Fall 2020
CRM PostDoc, Thematic Program: Cohomology in Arithmetic

ACADEMIC VISITS

Lodha Math (India) Aug–Dec 2025
Thematic Program on Arithmetic Statistics

AWARDS, GRANTS, AND PRIZES

NSF Conference Grant DMS-2442586 2025
Automorphic Forms Workshop 2025 ($33,800)
AWM–NSF Mentoring Travel Grant 2025
pre-tenure travel grant for one month research visit ($5000)
AMS–Simons Travel Grant 2024-26
Early career travel grant ($2500/year)
Malcolm Slingsby Robertson Prize in Mathematics 2020
University of Toronto (best thesis award)
General Motors Women in Mathematics and Science Award 2019–2020
University of Toronto

Vivekananda Graduate Award for International Students 2018–2019
University of Toronto
Academic Excellence Award (three times) 2010-2015
IISER Mohali (for SGPA 10 in three semesters)

FELLOWSHIPS

SLMath 2025 Summer Research in Mathematics Summer 2025
Simons Laufer Mathematical Sciences Institute, Berkeley
IAS Summer Research Fellowship Summer 2022
Institute for Advanced Study, Princeton
PIMS Postdoctoral Fellowship January 2021–December 2022
University of British Columbia, Vancouver
CRM Postdoctoral Fellowship Fall 2020
Université de Montréal
MITACS Graduate Fellowship 2015–2018
Canada
BIGS Scholarship for Graduate Studies (not availed) 2015–2018
Hausdorff Center for Mathematics, Bonn, Germany
TIFR VSRP Fellowship 2015
TIFR, India
Rhodes Scholarship finalist (top 18) Class of 2015
Oxford University, UK
MITACS Globalink Research Internship 2014
Canada
IAS Summer Fellowship (not availed) 2013
Indian Academy of Sciences, India
DAAD WISE Scholarship 2013
Germany
JNCASR Summer Fellowship 2012
JNCASR, India
INSPIRE Fellowship 2010–2015
Department of Science and Technology, Government of India

PUBLICATIONS

1. Generalized Mazur's Growth Number Conjecture (with A. Lei)
   accepted for publication in Bull. Aust. Math. Soc

2. The first level of $\mathbb{Z}_p$-extensions and compatibility of heuristics (with L. C. Washington)
   Research in Mathematical Sciences 12 (2025), article number 68

3. Elliptic curves of conductor $2^m p$, quadratic twists, and Watkins's conjecture (with J. Hatley)
   accepted for publication in Ann. Math. du Que.

4. Murmurations of Modular Forms and p-power Coefficients (with K. Müller)
   accepted for publication in Math. Proc. Cambridge Philos. Soc.

5. Class groups and Selmer groups in Special Families (with Abhishek S.)
   accepted for publication in Canadian Math Bulletin

6. Mazur's Growth Number Conjecture in the Rank One Case (with A. Lei)
   accepted for publication in Quarterly J. Math

7. Derived p-adic heights and the leading coefficient of the Bertolini-Darmon-Prasanna p-adic L-function (with F. Castella, C.-Y. Hsu, Y.-S. Lee, and Z. Liu)
   Trans. Amer. Math. Soc. Ser. B 12 (2025), 748-788

8. Hilbert's 10-th Problem via Mordell curves (with S. Jha, D. Majumdar)
accepted for publication in Canadian Math Bulletin

9. 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)
accepted for publication in Math Research Letters

10. Statistics for anti-cyclotomic Iwasawa invariants of elliptic curves (with J. Hatley & A. Ray)
Math Z., Volume 307, article number 49, (2024)

11. Studying Hilbert's 10^{th} problem via explicit elliptic curves (with A. Lei & F. Sprung)
Math. Ann. 390, 5153–5183 (2024)

12. Statistics for Iwasawa Invariants of Elliptic Curves II (with A. Ray)
Int. J. Number Theory (2024), Volume No. 20, Issue No. 04, 1099 – 1124

13. Heuristics for anti-cyclotomic $\mathbb{Z}_p$-extensions (with L. Washington)
Experimental Mathematics, 33(4), 644–662 (2024)

14. Cotorsion of anti-cyclotomic Selmer groups on average (with F. Sprung)
Proceedings of the American Math Society 152 (2024), 521-535

15. 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

16. Non-vanishing modulo p of Hecke L-values over imaginary quadratic fields (with A. Lei)
Israel Journal of Math, Volume 266 (2025), pages 307–339

17. Structure of fine Selmer Groups in p-adic Lie Extensions (with R. Sujatha & F. Nuccio)
Osaka J. Math. 61(1): 121–146 (January 2024).

18. 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

19. λ-invariant stability in Families of Modular Galois Representations (with J. Hatley)
Research in Mathematical Sciences 10 (2023), article number 33

20. 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

21. 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

22. 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

23. Arithmetic Statistics and Non-Commutative Iwasawa Theory (with A. Lei & A. Ray)
Documenta Mathematica (2022) Volume 27, pp. 89–149

24. Statistics for Iwasawa Invariants of Elliptic Curves (with A. Ray)
Transactions of the American Mathematical Society (2021) Volume 374/ Issue 11; pp. 7945–7965

25. Anticyclotomic μ-Invariants of Residually Reducible Galois Representations (with A. Ray)
Journal of Number Theory (2022) Volume 234, pp. 476–498

26. On an Analogue of Kida's Formula for Fine Selmer Groups
Journal of Number Theory (2021) Volume 222; pp. 249–261

27. 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

28. Growth of Fine Selmer Groups in Uniform pro-p Extensions
Annales Mathématiques du Québec (2021) Volume 45, pp. 347–362

29. 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

30. Growth of Fine Selmer Groups in Infinite Towers
Canadian Mathematics Bulletin (2020) Volume 63 / Issue 4 pp. 921–936

PREPRINTS

1. Beyond Endoscopy via Trace Formula for $\mathrm{GL}(2, F)$ (with M. Emory, M. Espinosa Lara, T.A. Wong) *available on the arXiv, submitted*

2. 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*

3. Iwasawa Theory of Graphs and their duals (with K. Müller) *available on the arXiv, submitted*

4. Iwasawa Theory of Elliptic Curves in Quadratic Twist Families (with K. Müller) *available on the arXiv, submitted*

5. Structure of (Fine) Mordell–Weil Groups (with R. Gambheera) *available on the arXiv, submitted*

SEMINARS

TBA November 2025
Invited talk, TIFR (India)

Iwasawa Theory of Elliptic Curves in Quadratic Twist Families July 2025
Invited talk, University of Ottawa

p-ranks of class groups via Galois cohomology April 2025
Invited talk, University of North Texas

Elliptic Curves, Quadratic Twists, and Watkins's Conjecture March 2025
Invited talk (pure math seminar), UTRGV (Brownsville campus)

Arithmetic of Elliptic Curves via Iwasawa Theory November 2024
Invited colloquium talk, University of Regina

p-ranks of class groups via Galois cohomology October 2024
Invited talk, Michigan State University

Studying Hilbert's 10th Problem via Explicit Elliptic Curves April 2024
Invited talk, University of Texas Tyler

Studying Hilbert's 10th Problem via Explicit Elliptic Curves April 2024
Invited talk (pure math seminar), UTRGV (Brownsville campus)

Beyond Endoscopy via Poisson Summation for $\mathbf{GL}(2, K)$ March 2024
Invited talk, University of Toronto

Growth of Mordell–Weil ranks in $\mathbb{Z}_p$-extensions February 2024
Invited talk, University of Georgia

Growth of Mordell–Weil ranks in $\mathbb{Z}_p$-extensions February 2024
Invited talk, UBC Vancouver video

Growth of Mordell–Weil ranks in $\mathbb{Z}_p$-extensions November 2023
Invited talk, UC Santa Barbara

Iwasawa Theory and Arithmetic Statistics April 2023
Invited talk, IIT Gandhinagar

Iwasawa Theory and Arithmetic Statistics April 2023
Invited talk, Ashoka University

$p \neq q$ Iwasawa Theory March 2023
Invited talk, IISc Bangalore

$p \neq q$ Iwasawa Theory March 2023
Invited talk, ISI Bangalore

Heuristics for Iwasawa invariants in anti-cyclotomic $\mathbb{Z}_p$-extensions January 2023
Invited talk, University of Waterloo

Heuristics for Iwasawa invariants in anti-cyclotomic $\mathbb{Z}_p$-extensions November 2022
Invited talk, Arizona State University, Tempe

Iwasawa Theory and Arithmetic Statistics November 2022
Invited colloquium talk, Fordham University

Heuristics for Iwasawa invariants in anti-cyclotomic $\mathbb{Z}_p$-extensions November 2022
Invited talk, Philadelphia Area Number Theory Seminar, Bryn Mawr

Studying Hilbert's 10th Problem via Explicit Elliptic Curves October 2022
Invited talk, IIT Bombay, India

Studying Hilbert's 10th Problem via Explicit Elliptic Curves October 2022
Invited talk, University of Washington, Seattle

Iwasawa Theory and Arithmetic Statistics October 2022
Invited colloquium talk, HRI Allahabad, India

Studying Hilbert's 10th Problem via Explicit Elliptic Curves October 2022
Invited talk, University of Lethbridge

Studying Hilbert's 10th Problem via Explicit Elliptic Curves September 2022
Invited talk, HRI Allahabad, India

Studying Hilbert's 10th Problem via Explicit Elliptic Curves August 2022
Invited talk, IMSc Chennai, India

Fine Selmer Groups, Modular Forms, and Duality February 2022
Invited talk, Iwasawa Theory Virtual Seminar video(use passcode: upUiJL8%)

Iwasawa Theory and Arithmetic Statistics January 2022
Invited talk, Fields Institute Number Theory Seminar video

Iwasawa Theory and Arithmetic Statistics November 2021
Invited talk, IISER Mohali Online Colloquium video

Iwasawa Theory and Arithmetic Statistics November 2021
Invited talk, Möbius ANT, CRM Montreal

Iwasawa Theory and Arithmetic Statistics October 2021
Invited talk, Ohio State University

Iwasawa Theory and Arithmetic Statistics June 2021
Invited talk, University of Göttingen

Iwasawa Theory Summer 2021
Invited lecture series (3 lectures), Seoul National University

Iwasawa Theory of Fine Selmer Groups March 2021
Invited talk, Number Theory Seminar, University of Toronto

Iwasawa Theory of Fine Selmer Groups February 2021
Invited talk, PIMS Online Colloquium

Iwasawa Theory of Fine Selmer Groups November 2020
Invited talk, Fields Institute Number Theory Seminar video

Overview of Iwasawa Theory October 2020
Invited talk, Junior Number Theory Seminar, University of Toronto

Iwasawa Theory of Fine Selmer Groups January 2020
Invited talk, QVNTS, Montreal

Iwasawa Theory and Pseudo-nullity Conjectures January 2020
Invited talk, Algebra & Number Theory Seminar, Université Laval

Pigeonhole Principle and its Applications January 2020
Graduate Seminar, Department of Math, University of Toronto

Möbius Functions and Number Theory Summer 2019
Math Camp, Department of Math, University of Toronto

Fun with Tilings Fall 2018
Graduate Seminar, Department of Math, University of Toronto

What is an Elliptic Curve? April 2017
Graduate Seminar, Department of Math, University of Toronto

Understanding the Rank Distribution Conjecture November 2016
Graduate Seminar, Department of Math, University of Toronto

Principal L-Functions of the Linear Group August 2016
Department of Math, University of Toronto

Linear Groups- Malcev's Theorem and Selberg's Lemma April 2014
IISER Mohali

Proofs of Quadratic Reciprocity April 2014
Department Colloquium, IISER Mohali
27 Lines on a Cubic November 2013
Department Colloquium, IISER Mohali
Introduction to Game Theory Aug 2012
Mathematics Club, IISER Mohali

CONFERENCES, WORKSHOPS, AND SUMMER SCHOOLS

Women in Numbers 7 June 2026
Project Leader
ICTS: Automorphic Forms and the Bloch–Kato Conjecture May 2025
Invited talk
37th Automorphic Forms Workshop Apr–May 2025
Co-Organizer
Oregon Number Theory Days March 2025
Contributed talk
AMS Fall Central Sectional Meeting September 2024
Invited talk (session: L-Functions and Automorphic Forms)
Canadian Number Theory Association (CNTA) Conference XVI June 2024
Invited talk video
Brin MRC Workshop - Vistas in Number Theory June 2024
Invited talk
Texas-Oklahoma Representations and Automorphic forms (TORA) October 2023
Invited talk
Rethinking Number Theory June 2023
Project Leader
CMS Summer Meeting June 2023
Invited talk, Session: Arithmetic aspects of automorphic forms
Special values of L-functions, Paderborn University (Germany) March 2023
Invited talk
5 Day Workshops at BIRS, Banff January 2023
Workshop on Arithmetic Aspects of Deformation Theory
PRIMA Congress December 2022
Invited talk, Session: Arithmetic geometry: theory and computation
CMS Winter Meeting December 2022
Invited talk, Session: Diophantine Arithmetic Geometry and Number Theory
Pair of Automorphic Workshops August 2022
part of Castella–Liu research group
Women in Maths: Progress and Challenges, IIT Jodhpur May 2022
Invited talk
Maine-Quebec Number Theory Conference October 2021
Contributed talk
Workshop on Arithmetic Statistics Problems July 2021
Invitation-only Conference
CMS Summer Meeting June 2021
Invited talk, Session: Algebraic Number Theory
AIM Workshop, Online January 2021
Workshop on Arithmetic Intersection Theory on Shimura Varieties
John's Hopkins Junior Number Theory Days December 2020
Invited Talk notes video
Maine-Quebec Number Theory Conference Fall 2020
Contributed talk slides video
CTNT Conference, University of Connecticut June 2020
Contributed talk slides
MAAIM, Emory University November 2019
Contributed talk

Maine-Quebec Number Theory Conference October 2019
Contributed talk
PAlmetto Number Theory Seminar (PANTS) XXXII September 2019
Invited talk
Boston University-Keio University Workshop June 2019
Contributed talk
SOGMSC, University of Guelph June 2019
Contributed talk
Analytic & Combinatorial Number Theory, UIUC June 2019
Contributed talk
Montreal-Toronto Workshop in Number Theory, CRM March 2019
Workshop on p-adic Hodge Theory
CNTA Conference, Universite Laval July 2018
Contributed talk
CTNT Summer School, University of Connecticut May 2018
Summer School and Conference
Strength in Numbers, Queen's University May 2018
Graduate Student Conference, Contributed talk
Upstate Number Theory Conference, SUNY Buffalo April 2018
Young Researchers Conference
PIMS Focus Period, UBC Vancouver March 2018
Focus Period on Representations in Arithmetic
Arizona Winter School, Tucson March 2018
Winter school on Iwasawa Theory
Montreal-Toronto Workshop in Number Theory, CRM January 2018
Workshop on Unitary Shimura Varieties
AIM Workshop, San Jose December 2017
Workshop on Functoriality and the Trace Formula
Summer Graduate School, MSRI July 2017
Summer school on Automorphic Forms and Langlands Program
5 Day Workshops at BIRS, Banff July 2017
Workshop on Diophantine Approximation and Algebraic Curves
Montreal-Toronto Workshop in Number Theory, CRM December 2016
Workshop on Mock Modular Forms
PIMS Summer School, UBC Vancouver July 2016
Summer School on Representation Theory of Finite Groups
Summer Graduate School, MSRI July 2016
Summer school on Introduction to Character Theory and the McKay Conjecture.

ORGANIZATION: SEMINARS AND MINI-COURSES

Automorphic Forms Workshop Spring 2025
co-organizer
CMS Session on Arithmetic Aspects of Galois representations Fall 2024
Winter CMS Meeting
AMS Special Session on Additive Number Theory and Modular Forms Fall 2024
Fall Central Sectional Meeting
UTRGV Algebra/Number Theory Seminar 2023 – 25
SMSS, UTRGV
Beyond Endoscopy Mini Conference April 2023
Lead Organizer
UBC Number Theory Seminar 2021- 2022
Department of Mathematics, UBC Vancouver
Learning Seminar on Quadratic Twists Winter 2021
Iwasawa Seminar, online
Learning Seminar on Eigenvarieties Winter 2021
Iwasawa Seminar, Department of Math, UBC Vancouver notes

Learning Seminar on Euler system and Eisenstein congruences Fall 2020
Iwasawa Seminar, Department of Math, UBC Vancouver
CRM Women's Seminar Fall 2020
Part of the thematic program at CRM
Learning Seminar on Coleman Families of Modular Forms Fall 2020
Part of the thematic program at CRM
Learning Seminar on Abelian ℓ-Adic Representations Summer 2020
Graduate Seminar, Department of Math, University of Toronto
CMS Mini-Course on Iwasawa Theory December 2019
Co-organizer with R. Sujatha
Learning Seminar on Tate Conjectures Fall 2019
Graduate Seminar, Department of Math, University of Toronto
Learning Seminar on p-adic Lie Groups Summer 2019
Graduate Seminar, Department of Math, University of Toronto
Learning Seminar on Complex Multiplication Fall 2018
Graduate Seminar, Department of Math, University of Toronto
Learning Seminar on Etale Cohomology Winter 2018
Graduate Seminar, Department of Math, University of Toronto
Learning Seminar on Beyond Endoscopy 2017–18
Graduate Seminar, Department of Math, University of Toronto
Learning Seminar on Classical Iwasawa Theory Fall 2017
Graduate Seminar, Department of Math, University of Toronto
Introduction to Automorphic Forms and Langlands Program Fall 2017
Graduate Seminar, Department of Math, University of Toronto
Summer Learning Seminar on Galois Cohomology Summer 2017
Graduate Seminar, Department of Math, University of Toronto
Summer Learning Seminar on Modular Forms Summer 2017
Graduate Seminar, Department of Math, University of Toronto

TEACHING ASSISTANCE EXPERIENCE

University of Toronto:

MAT223 (Linear Algebra) multiple times
Instructor: S. Uppal
MAT235 (Multivariable Calculus) multiple times
Instructor: Dr. N. Jung
MAT237 (Multivariable Calculus) multiple times
Instructor: Dr. T. Holden, Prof. R. Gerrard
MAT240 (Linear Algebra for Math Specialists) multiple times
Instructor: Prof. E. Meinrenken
MAT246 (Concepts in Abstract Math) multiple times
Instructor: Dr. J. Korman, Dr. H. Soheil, Prof. F. Murnaghan, Dr. D. Burbulla
MAT247 (Linear Algebra II for Math Specialists) Winter 2018
Instructor: Prof. S. Kudla
MAT315 (Elementary Number Theory) Winter 2020
Instructor: Prof. H. Kim
MAT336 (Elements of Analysis) Winter 2017
Instructor: Dr. H. Soheil
MAT401 (Polynomial Equations and Fields) Summer 2017
Instructor: Dr. J. Korman

TEACHING EXPERIENCE

University of Regina:

MATH108 (Mathematical Problems, Ideas, and Personalities) Winter 2026
MATH223 (Introduction to Abstract Algebra) Winter 2026

UTRGV:

MATH4364 (Modern Algebra II) Spring 2025
MATH2318 (Linear Algebra) Fall 2024
MATH3363 (Modern Algebra I) Spring 2024
MATH2413 (Calculus I) Fall 2023

University of British Columbia (Vancouver):

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

University of Toronto:

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

ACADEMIC SERVICES

Refereed for	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, Mathematics of Computation, Pure and Applied Mathematics Quarterly Proceedings of the AMS, Math Research Letters
Reviewer for	Mathematics Reviews, BIRS grant proposals
Examiner for	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) Raul Alvarez (Masters thesis committee, UTRGV, Spring 2025) Linoy Utkina (Masters thesis committee, UTRGV, Spring 2025) Joselyne Aniceto (PhD thesis committee, UTRGV, Spring 2025) Jeffery Opoku (PhD thesis committee, UTRGV, Summer 2025)

BACHELORS THESIS/PROJECT SUPERVISION

Raul Marquez (UTRGV) Fall 2024
Bachelors capstone project
Vitthal Yellambalse (BITS Pilani, Goa campus) Jan – May 2022
Bachelors project on theory of cyclotomic fields
Adithya Chakravarthy (University of Toronto) 2021 – 2023
research on the Iwasawa theory of fine Selmer groups (thesis)

MASTERS THESIS/PROJECT SUPERVISION

Ama Quansah (UTRGV) Fall 2024
Masters project

MENTORSHIP

Undergraduate Mentorship 2023–present
Arkapriyo Hore; *ISI Bangalore (May–July 2025): Galois Cohomology and Brauer–Severi varieties*
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): 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). The slides are available on my website.
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