CURRICULUM VITAE

Alexandre V. Karassev

Professor of Mathematics

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PERSONAL INFORMATION

Date of birth: April 4, 1974 Citizenship: Russian, Canadian

EDUCATION

Ph. D. in Mathematics, 1999 – 2002, University of Saskatchewan.

Advisor: A. Chigogidze

M. Sc. in Mathematics and Applied Mathematics (with distinction), 1991 – 1996,

Moscow State University. Advisor: V.V. Fedorchuk

GRANTS. AWARDS. SCHOLARSHIPS

- NSERC Discovery Grant, \$11,000/year, 2015 2020
- NSERC Discovery Grant, \$16,000/year, 2009 2014
- Nipissing University Research Achievement Award, \$5,000, 2009 2010
- NSERC Discovery Grant, \$9,000/year, 2004 2009
- Nipissing University Start-Up Research Grant, \$3,000, 2003 2004
- University of Saskatchewan Graduate Thesis Award in the Physical and Engineering Sciences, Spring 2002
- University Graduate Scholarship, 1999 2002, University of Saskatchewan
- Russian Foundation for Basic Research Grant, project no. 97-01-00357, 1996 1999
- I.G. Petrovsky Scholarship, 1994, Moscow State University, Moscow, Russia

RESEARCH

RESEARCH INTERESTS

General and Geometric Topology, Geometric Group Theory, Geometry, Topological Data Analysis

PAPERS, PUBLISHED, ACCEPTED, OR SUBMITTED TO REFEREED JOURNALS

- 1. Homogeneous spaces not separated by arcs, (with V. Valov), preprint.
- 2. Discrete homogeneity and ends of manifolds, (with V. Chatyrko), preprint.
- 3. On $(\theta$ -)discrete homogeneous spaces, (with V. Chatyrko), preprint.
- 4. Dimension and decomposition complexity properties of tree-graded spaces (with N. Brodskiy), preprint.
- 5. On homogeneity of \mathbb{N}^{τ} , (with E. Shchepin and V. Valov), accepted, Topology Appl.
- 6. Homological characterizations of Q-manifolds and l_2 -manifolds (with V. Valov), accepted, Fund. Math.
- 7. Countable dense homogeneity and Hattori spaces (with V. Chatyrko), Q&A, 39, no. 2 (2021), 73 –87.
- 8. Admissible topologies for groups of homeomorphisms and substitutions of groups of G-spaces (with K. Kozlov), Topology Appl., 275 (2020).
- 9. Reversible spaces and products (with V. Chatyrko), Topology Proc., 49 (2017), 317–320.
- 10. Base normal inductive dimension I of cubes (with K.L. Kozlov), Fundamental and Applied Math., 20 (2015), no. 2, 113–124.
- 11. Computation of inductive dimensions of product of compacta (with K.L. Kozlov), Topology Appl., 179 (2015), 131–147.
- 12. (Non)connectedness and (non)homogeneity (with V. Chatyrko), Topology Appl., 179 (2015), 122–130.
- 13. Alexandroff manifolds and homogeneous continua (with V. Todorov and V. Valov), Canad. Math. Bull., 57 (2014), no. 2, 335–343.
- 14. Maximal metrizable remainders of locally compact separable metrizable spaces (with V. Chatyrko), Topology Appl. 160 (2013), 1292–1297.
- 15. On metrizable remainders of locally compact separable metrizable spaces (with V. Chatyrko), Houston J. Math. 39 (4), 2013.
- 16. The (dis)connectedness of products in the box topology (with V. Chatyrko), Q&A 31 (2013), 11–21.
- 17. Generalized Cantor manifolds and homogeneity (with P. Krupski, V. Valov, and V. Todorov), Houston J. Math. 38 (2012), no. 2, 583–609.

- 18. On homotopical and homological Z_n -sets (with T. Banakh and R. Cauty), Topology Proc. 38 (2011) 29–82.
- 19. Finite-to-one maps into Euclidean manifolds and spaces with disjoint disks properties (with M. Tuncali and V. Valov), Topology Appl. 157 (2010) 779--788.
- 20. Equivalent metrics and spans of graphs (with L. Hoehn), Colloq. Math. 114 (2009), no. 1, 135–153.
- 21. Universal spaces, homotopy, and dimension of maps (with V. Valov), Modern Math. and its Appl., Georgian Acad. Sci. (in Russian); transl. in J. Math. Sci. 155, Issue 4 (2008).
- 22. Michael's problem and weakly infinite-dimensional spaces, Topology Appl. 155 (2008), no. 15, 1694–1698.
- 23. Root closed function algebras on compacta of large dimension (with N. Brodskiy, J. Dydak, and K. Kawamura), Proc. Am. Math. Soc. 135 (2007), 587–596.
- 24. Extension dimension and quasi-finite CW-complexes (with V. Valov), Topology Appl. 153 (2006), no. 17, 3241–3254.
- 25. Universal absolute extensors in extension theory (with V. Valov), Proc. Amer. Math. Soc. 134 (2006), no. 8, 2473–2478.
- 26. On two problems in extension theory, Topology Appl. 153 (2006), no. 10, 1609–1613.
- 27. On commutative and noncommutative C*-algebras with the approximate n-th root property (with A. Chigogidze, K. Kawamura, and V. Valov), Bull. Austral. Math. Soc. 72 (2005), 197–212.
- 28. The Urysohn identity for closed subsets of some nonmetrizable manifolds, Topology Proc. 28 (2004), no. 2, 579–585.
- 29. Real rank and squaring mapping for unital C*-algebras (with A. Chigogidze and M. Rordam). Proc. Am. Math. Soc. 132 (2004), 783–788.
- 30. Topological model categories generated by finite complexes (with A. Chigogidze). Monatshefte für Mathematik 139 (2003), no. 2, 129–150.
- 31. Approximations and selections of multivalued mappings of finite-dimensional spaces (with N. Brodsky and A. Chigogidze). JP Journal of Geometry and Topology 2 (2002), no. 1, 29–73.
- 32. On [L]-homotopy groups. JP Journal of Geometry and Topology 3 (2001), no. 3, 301–310.
- 33. Topological semigroups and universal spaces related to extension dimension (with A. Chigogidze and M. Zarichnyi). Mat. Stud. 16, no. 2 (2001), 195 198.
- 34. An infinite-dimensional 4-manifold of finite cohomological dimension with the continuum hypothesis. Mat. Zametki 66 (1999), no. 5, 664–670 (Russian); English translation in Mathematical Notes 66 (1999), no. 5.
- 35. On the inductive dimension of subsets of some nonmetrizable manifolds. Vestnik Moskov. Univ. Ser. I Mat. Mekh. (1997) no. 5, 11–14 (Russian).

INVITED PUBLICATIONS

36. Topology in North Bay: some problems in continuum theory, dimension theory, and selections (with V. Valov and M. Tuncali), a chapter in the "Open Problems in Topology II" (Edited by Elliott Pearl), 2007, Elsevier

THESES

- 37. On extension dimension and [L]-homotopy. (2002) PhD Thesis.
- 38. On the inductive dimension of subsets of some nonmetrizable manifolds. (1996) MSc Thesis.

INVITED TALKS AND VISITS

- Visited Department of Mathematics, Linkoping University, Sweden. December 2022.
- Visited Department of Mathematics, University of Tennessee, Knoxville. December 2018.
- Visited Department of Mathematics, Linkoping University, Sweden. October 2018.
- Visited Department of Mathematics, University of Tennessee, Knoxville. December 6 December 19, 2017.
- Visited Department of Mathematics, University of Tennessee, Knoxville. May 1 - May 4, 2017.
- Visited Department of Mathematics, Linkoping University, Sweden. October 2016.
- Inductive dimension with respect to normal base, 31st Summer Conference on Topology and its Applications, August 2-5, 2016, , University of Leicester, UK.
- Visited Department of Mathematics, Linkoping University, Sweden. October 2015.
- Homogeneous spaces and the Bing-Borsuk conjecture, International Conference on Topology and its Applications, July 3-7, 2014, Nafpaktos, Greece.
- Visited Department of Mathematics, Linkoping University, Sweden. April 2014.
- Visited Department of Mathematics, Linkoping University, Sweden. October 2012.
- Metrizable remainders of locally compact spaces, International Conference dedicated to P.S. Aleksandrov.
 - May 2012. Moscow State University, Moscow, Russia
- Metrizable remainders of locally compact spaces, Geometric Topology conference in honor of Evgeny Shchepin, October 15 16, 2011, UNAM, Oaxaca, Mexico.

- Spans of continua, Topology Seminar at the University of Tennessee, Knoxville. March, 2011.
- Finite-to-one maps into Euclidean manifolds and spaces with disjoint disks properties, International Conference on Topology and its Applications, June 26 30, 2010, Nafpaktos, Greece.
- Equivalent metrics and the spans of graphs, International Conference "Analysis, Topology and Applications", June 21 25, 2010, Vrnjačka Banja, Serbia.
- Visited Department of General Topology and Geometry, Moscow State University, Russia, and Department of Mathematics and Statistics, University of Saskatchewan, Saskatoon, Canada. Summer 2009.
- Michael's problem and weakly infinite-dimensional Spaces, International Conference "Analysis and Topology", June 2 7, 2008, Ivan Franko National University of Lviv, Lviv, Ukraine.
- Root closed function algebras on compacta of large dimension, Spring Topology and Dynamics Conference, March 23 – 25, 2006, University of North Carolina at Greensboro, NC, USA
- On commutative and noncommutative C*-algebras with the approximate n-th root property, Topology Seminar at the University of Tennessee, Knoxville. April 11 15, 2005
- Quasi-finite complexes and universal absolute extensors, International Conference dedicated to P.S. Aleksandrov. May 2004. Moscow State University, Moscow, Russia
- On two problems in extension theory, Topology Seminar at the University of Tennessee, Knoxville. April 5 – 9, 2004

OTHER CONFERENCE PRESENTATIONS

- (Non)connectedness and (non)homogeneity, 48th Spring Topology and Dynamics Conference, March 13 15, 2014, University of Richmond, USA.
- Metrizable remainders of locally compact spaces, International Conference on Topology and Geometry, September 2 6, 2013, Shimane University, Matsue, Japan.
- Finite-to-one maps into Euclidean manifolds and spaces with disjoint disks properties, 7th Annual Workshop on Topology, Analysis, and Math Education, May 18 22, 2009, Nipissing University, North Bay, Canada.
- Michael's problem and weakly infinite-dimensional Spaces, Spring Topology and Dynamics Conference, March 13 15, 2008, Milwaukee, Wisconsin, USA.
- Root closed function algebras on compacta of large dimension, International Conference on Topology and its Applications, June 23 26, 2006, Aegion, Greece.
- Approximations and selections of multivalued mappings, Canadian Mathematical Society Summer 2001 Meeting. Special Session: Geometric Topology. June 2001. University of Saskatchewan, Saskatoon, Canada

• On L-homotopy groups, International Conference dedicated to P.S. Aleksandrov. May 2000. Moscow State University, Moscow, Russia

INTERDISCIPLINARY RESEARCH

- Improving SLAM Cartographer accuracy (joint with SafeSight Exploration Inc., 2020 present)
- Analyzing open-ended survey responses (joint with School of Social Work, 2021 present)

PARTICIPATION IN COLLOQUIA AND SEMINARS

- Topology seminar, Nipissing University,
 North Bay, Canada (September 2003 present)
- Topology seminar, University of Saskatchewan, Saskatoon, Canada (September 2000 – May 2003)
- P.S. Aleksandrov topology seminar, Moscow State University, Moscow, Russia (1992–1999)

LIST OF COLLABORATORS

Taras Banakh (Ivan Franko National Univ. of Lviv, Ukraine), Nikolay Brodskiy (U. of Tennessee), Robert Cauty (Université de Paris VI (Pierre et Marie Curie), France), Vitalij A. Chatyrko (Linkoping University, Sweden), Alex Chigogidze (U. of North Carolina), Jerzy Dydak (U. of Tennessee), Logan Hoehn (Nipissing U.), Kazuhiro Kawamura (U. of Tsukuba, Japan), Konstantin Kozlov (Moscow State University, Russia), Pawel Krupski (University of Wroclaw, Poland), Mikael Rordam (U. of Copenhagen, Denmark), Evgeny Shchepin (Steklov Math. Institute, Russia), Vladimir Todorov (U. for Architecture and Civil Engineering, Sofia, Bulgaria), Murat Tuncali (Nipissing U.), Vesko Valov (Nipissing U.), Michael Zarichnyi (Ivan Franko National Univ. of Lviv, Ukraine)

MEMBERSHIP

• American Mathematical Society

REFEREE

Colloquium Mathematicum
European Journal of Mathematics
Fundamenta Matematicae
JP Journal of Geometry and Topology
Proceedings of the American Mathematical Society
Rocky Mountain Journal of Mathematics
Topology Proceedings

Topology and its Applications

REVIEWER

zbMATH

TEACHING

TEACHING EXPERIENCE

• July 2003 – present: Professor, Nipissing University.

Undergraduate courses taught: Critical and Applied Thinking, Fund. Math. Concepts for Teachers, Calculus I&II, Introductory Linear Algebra, Discrete Mathematics II, Probability and Statistics I&II, Introduction to Computational Geometry, Problem Solving, History of Mathematics, Number Theory, Complex Analysis, Cryptography, Combinatorics and Graph Theory, Mathematics of Finance, Introduction to Stochastic Processes, Topology, Optimization.

Graduate courses taught: General Topology, Introduction to Algebraic Topology, Computational Topology, Tilings and Patterns, Optimization.

- January 2002 June 2003: Sessional Lecturer, University of Saskatchewan. Courses taught: Intermediate Calculus, Calculus II, Calculus II for Engineers, Differential Equations, Euclidean Geometry, and Linear Algebra I.
- August 2002: Tutorial Leader, Math Readiness Course
- September 2000 December 2002: Instructor, Mathematics and Statistics Help Centre, University of Saskatchewan
- September 1999 April 2002: Teaching Assistant, University of Saskatchewan
- June 1997 August 1999: Instructor (Microsoft Certified Trainer), IT Training Centre "Academy of Networking", Moscow, Russia.
- Spring 1997: Instructor, Special seminar in Discrete Mathematics, Faculty of Economics, Moscow State University, Russia

GRADUATE STUDENTS SUPERVISED

- Bright Effah (MSc Thesis in progress)
- Luke Cooper (MSc Thesis in progress)
- Tim Sibbald (MSc Thesis "Tilings and Packings", was successfully defended on October 5, 2020)
- Emily Tian (MRP, titled "Expander Families and their Applications", was successfully defended on January 13, 2014)

- Jon Heindl (MRP, titled "Around the Bing-Borsuk Conjecture", was successfully defended on October 30, 2012)
- Jason Grandy (MRP, titled "The Additivity of Crossing Number with Respect to the Composition of Knots", was successfully defended on August 26, 2010)

USRA STUDENTS SUPERVISED

- Luke Cooper (Project: "Finite decomposition complexity and Thompson group F"), Summer 2020.
- Luke Cooper (Project: "Tree-graded spaces and their generalizations"), Summer 2019.
- Luke Cooper (Project: "Polyhedra with homogeneous-type properties"), Summer 2018.
- Mitchell Haslehurst (Project: "Vertex-transitive contractible polyhedra"), Summer 2015
- Mitchell Haslehurst (Project: "Are weakly-infinite dimensional spaces C-spaces?"), Summer 2014.
- Mitchell Haslehurst (Project: "Reconstruction of Homogeneous Spaces From Automorphism Groups"), Summer 2013.
- Jon Heindl (Project: "Aperiodic Tilings and Tiling Spaces"), Summer 2011.
- Jon Heindl (Project: "Z-sets in Hilbert Cube"), Summer 2010.
- Jon Heindl (Project: "Algebraic methods for distinguishing extension types"), Summer 2009.
- Jonathan Zimmerling (Project: "Homogeneous continua"), Summer 2008.
- Jonathan Zimmerling (Project: "Spans of continua"), Summer 2007.
- Brandon Brown (Project: "Lipschitz extensors"), Summer 2006.
- Natasha May (Project: "Asymptotic topology"), Summer 2005.

STUDENT RESEARCH PROJECTS SUPERVISED

Winter 2022

"Planar Graphs" by Jared Limbani

Fall 2021

"Stochastic Calculus for Finance" by Lucien Hartell

Fall 2020

- "Introduction to Queuing Theory" by Meghan Kapellas
- "An Introduction to Mathematical Linguistics" by Rosemarie Hartman
- "An Introduction To Fourier Series" by Reynold Assiniwe

Winter 2020

"Introduction to Queuing Theory" by Meghan Kapellas

Fall 2019

"Geometric Group Theory" by Luke Cooper

Winter 2019

"Cryptography" by Maggie Holod

Winter 2018

"Banach-Tarski Paradox and Amenability of Groups" by John Tsafatinos

Fall 2017

"Quasicrystals and geometry" by Jessica Stephenson

Summer 2016

"Applications of Probability Theory in Finance" by Braden Leonard

Winter 2015

"Fourier Analysis" by Mitchell Haslehurst

Fall 2013 / Winter 2014

- "Mathematical puzzles" and "Symmetry of things" by Daniel Blanchard
- "Topics in Linear Algebra" by Erica Crozier
- "Geometric group theory" by Jordan Shoesmith

Fall 2012 / Winter 2013

"Linear Algebra" and "Quaternions and Applications" by Alyssa McIntee

Fall 2011 / Winter 2012

- "Hyperbolic Geometry" by Sarah Brethet
- "Crystallography" and "Chemical Graph Theory" by Donna Keranen
- "Math Modeling with Maple" by Stephanie Lamb

Fall 2010 / Winter 2011

- "Around Kuratowski's Theorem" and "Number Theory" by Jessica Bushell
- "Hilbert Cube Manifolds" and "Algebraic Topology" by Jon Heindl
- "Cryptography" and "Game Theory" by Steve Lauzon

Fall 2009 / Winter 2010

- "Hyperbolic Geometry" and "Fary's Theorem and Kuratowski's Theorem" by Alain Baxter
- "When Astronomy and Math Collide" by Stephanie Hicks
- "Maps and Mathematics" by Shannon Klawitter

Fall 2008 / Winter 2009

- "Markov Chains" and "Information Retrieval" by Krista Morrow
- "Hyperbolic Geometry and M.C. Escher" by Breanne King
- "The Prime Counting Function" by Richard Smith
- "Potentially Visible Set" by Rob Alkins

Fall 2007 / Winter 2008

- "Hyperbolic Geometry" and "Knot Theory" by Jason Grandy
- "Riemann Hypothesis" and "Multivariable Calculus" by Tomara Kaye

Fall 2006 / Winter 2007

- "Applications of Topology in Chemistry" and "Non-standard analysis" by Brandon Brown
- "Game Theory: Von Neumann's Theorem" by Breann Duncan
- "Algebraic Graph Theory" by Cameron Hodgins
- "Cryptography" and "Rigorous Probability Theory and Mathematics of Finance" by Nick Mailloux
- "Cryptography" and "Coding Theory" by Christopher Phillips

Fall 2005 / Winter 2006

- "Algebraic Topology" by Kaitlyn Church
- "Hyperbolic Geometry" and "Computational Geometry" by Jill Lazarus

Fall 2004 / Winter 2005

- "Set Theory" and "The History of Non-Euclidean Geometry" by Natasha May
- "Chaotic Elections and Arrow's Theorem" by David Briggs

SERVICE

Teaching Chair – Motivation and Assessment in STEM (2019 – 2022)

- Experimenting with various assessment practices in Math and math-related courses
- Development of MathTank collaborative online resource for instructors in Mathematics and other STEM-fields.

Graduate Studies Coordinator in Mathematics (2017 – present)

CHAIR OF THE DEPARTMENT OF COMP. SCIENCE & MATHEMATICS (September 2011 – June 2015)

- Prepared responses for the Program Prioritization Process surveys
- Prepared a draft description of program in Mathematical Economics
- Coordinated the work of Math Drop-in center

- Undergraduate Research Seminar Coordinator
- Participation in establishing partnership with colleges (in progress)
- Departmental Review (March 2013)
- Formulating program-level expectations for Computer Science, Mathematics, and Science and Technology
- Development of common degree structure model for Computer Science, Mathematics, and Science and Technology

PARTICIPATION IN COMMITTEES AND SENATE

- Academic Curriculum Committee
- Graduate Studies Committee (2009 present)
- Teaching and Learning Committee (2018 present)
- Tenure and Promotion University Committee (2018 2020)
- First Year Foundations Committee (Spring 2020)
- IQAP Protocol Review Committee
- Academic Quality Assurance and Planning Committee (2017 2018)
- Planning and Priorities Committee (2015 2016)
- Nipissing University Academic Senate (2011 2014), (2015 2018)
- Undergraduate Studies Committee (2012 2013)
- Tenure-track search committees
- Nipissing University Faculty Review Committee (2009 2010)
- Research Achievement Award Selection Committee (2009 2011)
- Internal Research Grant Review Committee (2009 2010)
- University Research Council
- Academic Computing Committee (2006 2008)
- Concurrent Education Coordinating Committee (2005 2006)

ORGANIZING WORKSHOPS AND CONFERENCES

- 15th Annual Workshop, May 15-19, 2018, Nipissing University, North Bay, Canada.
- 14th Annual Workshop, May 15-19, 2017, Nipissing University, North Bay, Canada.
- 13th Annual Workshop, May 16-20, 2016, Nipissing University, North Bay, Canada.
- 12th Annual Workshop, May 25-29, 2015, Nipissing University, North Bay, Canada.
- 11th Annual Workshop, May 26-30, 2014, Nipissing University, North Bay, Canada.
- 28th Summer Conference on Topology and its Applications, July 23-26, 2013, Nipissing University, North Bay, Canada.

- Workshop on Recent Advances in General Topology, Dimension Theory, Continuum Theory and Dynamical Systems (10th Annual Workshop), May 14-18, 2012, Nipissing University, North Bay, Canada.
- 9th Annual Workshop, May 16-20, 2011, Nipissing University, North Bay, Canada.
- Workshops on Recent Advances in Topological and Measure-Theoretic Methods in Dynamical Systems, May 17-22, 2010, Nipissing University, North Bay, Canada.
- Canadian Mathematical Society Summer 2009 meeting. Special session on Topological Algebra, Topology, and Functional Analysis. June 5-8 2009, Memorial University of Newfoundland, St. John's, Canada.
- 7th Annual Workshop on Topology, Analysis, and Math Education, May 18-22, 2009, Nipissing University, North Bay, Canada.
- Fields Institute Workshop on Topological Methods in Algebra, Analysis and Dynamical Systems, May 2008, Nipissing University, North Bay, Canada.
- 5th Annual Workshop on General Topology and Related Areas, May 2007, Nipissing University, North Bay, Canada.
- 4th Annual Workshop on General Topology and Related Areas, May 2006, Nipissing University, North Bay, Canada.
- Canadian Mathematical Society Summer 2005 meeting. Special session on General Topology and Its applications. June 2005, University of Waterloo, Waterloo, Canada.
- 3rd Annual Workshop on General and Geometric Topology, May 2005, Nipissing University, North Bay, Canada.

CURRICULUM DEVELOPMENT

- Development (jointly with other colleagues) a Post-baccalaureate Diploma in Mathematics and Economics (in progress).
- Redesigning MSc program requirements.
- Development of a program in Data Science (jointly with other members of the Department).
- Designing of various new graduate and undergraduate courses in Mathematics, Data Science, and First Year Foundation programs.
- Development of a joint program in Mathematical Economics (in progress) (jointly with other members of the Department).
- Development of an on-line version of MATH 1036 (Calculus I).
- Development (jointly with Mark Wachowiak) of a certificate program in Game design and development.
- Development (jointly with Mark Wachowiak) of two new course proposals: "Introduction to computational geometry" and "Advanced computational geometry".
- Redesigning the calculus course (2005/2006).

OUTREACH ACTIVITIES

- "Math Circles"
- Popular talks for high-school students (2005 present; slides of some talks are available at http://www.nipissingu.ca/faculty/alexandk/popular/popular.html and on the CD, appended to the dossier)
 - o Aperiodic tilings, November 18, 2016, Nipissing University.
 - o Applications of Calculus, April 16, 2015, Chippewa Secondary School, North Bay.
 - Embedding of graphs, September 12, 2014, Nipissing University.
 - o Graphs and surfaces, November 22, 2013, Nipissing University.
 - o Quantum computing, April 25, 2008, Widdifield Secondary School, North Bay.
 - Why do we need more than three dimensions?, October 19, 2007, Nipissing University.
 - What is the Poincaré Conjecture?, October 20, 2006, Nipissing University.
 - Cryptography: from substitution cipher to RSA, November 2005, Nipissing University.
 - o A series of talks on complex numbers, Fall 2005, Nipissing University.
- Participation in the organization of the Math Fair, May 2008 and May 2009, Nipissing University.

OTHER PROFESSIONAL ACTIVITIES

- Represented Nipissing University at the 46th OAME conference (University of Ottawa, Ottawa, May 16-18, 2019)
- Represented Nipissing University at the 45th OAME conference (Humber College, Toronto, May 3-4, 2018)
- Represented Nipissing University at the 44th OAME conference (St. Lawrence College, Kingston, May 11-13, 2017)
- Represented Nipissing University at the 43rd OAME conference (Georgian College, Barrie, May 5-7, 2016)
- Represented Nipissing University at the 42nd OAME conference (Humber College, Toronto, May 7-9, 2015)
- External reviewer for Mathematics program at Algoma University (site visit September 26-27, 2013)
- A panel chair for Nipissing University Undergraduate Research Conference (March 2012)
- Organizer of Nipissing University Undergraduate Mathematics Competition (March 2012, 2013, 2014)
- Coordinator of a seminar for Math and Comp. Science majors (Fall 2008)

- Coordinator of the Pre-Calculus Camps (August 2006, August 2007, August 2008)
- Development of the Calculus website Supervisor, Summer 2005 (http://www.nipissingu.ca/calculus)
- Development and maintenance of the Topology Research Group website (http://www.nipissingu.ca/topology)
- Development and maintenance of the webpage for the Fields Institute Workshop on Topological Methods, May 2008 (http://www.nipissingu.ca/topology/workshop2008/workshop08.html)

OTHER

INTERESTS AND HOBBIES

Chess, cross-country and downhill skiing, fishing, gardening, painting, photography, sailing, tennis