Curriculum Vitae of Eunjeong Yi
General Academics (GACD), Fall 2003-June 2, 2015;
Liberal Studies (LIST), June 3, 2015-August 31, 2017;
Foundational Sciences (FSCI), September 1, 2017–Present
Texas A&M University at Galveston (TAMUG), Galveston, TX 77553, USA
Email: yie@tamug.edu

- **Citizenship**: United States

- **Education**

  1. Ph.D. in Mathematics, University of Houston (UH), TX (Summer 2003), Advisor: Prof. Min Ru
     Title of Dissertation: "Nevanlinna Theory and Iteration of Rational Maps"

  2. M.S. in Mathematics, UH, TX (Summer 2000), Advisor: Prof. Min Ru
     Title of Thesis: "Riemann-Roch Theorem on Riemann Surfaces"

- **Employment**

  1. Professor with tenure (Fall 2016-Present), LIST/FSCI, TAMUG

  2. Associate Professor with tenure (Fall 2011-Summer 2016), GACD/LIST, TAMUG

  3. Assistant Professor (Fall 2006-Summer 2011), GACD, TAMUG

  4. Lecturer (Fall 2003-Summer 2006), GACD, TAMUG

  5. Teaching Fellow (Fall 1999-Summer 2003) Dept. of Math, UH

- **Refereed Publications**

  1. "Maker-Breaker metric resolving games on graphs" (with Cong X. Kang), *Discrete Math. Algorithms Appl.*, to appear

  2. "On the edge dimension and the fractional edge dimension of graphs", *Discrete Appl. Math.*, to appear

  3. "The simultaneous fractional dimension of graph families" (with Cong X. Kang and Iztok Peterin), *Acta Math. Sin. (Engl. Ser.)* (Springer), to appear.

  4. "Truncated metric dimension for finite graphs" (with Rafael M. Frongillo, Jesse Geneson, Manuel E. Lladser and Richard C. Tillquist), *Discrete Appl. Math.*, **320** (2022) 150-169.

  5. "Broadcast dimension of graphs" (with Jesse Geneson), *Australas. J. Combin.*, **83(2)** (2022) 243-264.

  6. "Distance-k locating-dominating sets in graphs" (with Cong X. Kang), *Bull. Inst. Combin. Appl.*, **95** (2022) 38-56.

  7. "The fractional k-truncated metric dimension of graphs", COCOA 2021, *Lecture Notes in Comput. Sci.* (Springer), **13135** (2021) 568-578.

  8. "On the connected metric dimension of graphs and their complements", *Discrete Math. Algorithms Appl.*, **13**, No. 5 (2021) 2150059 (17 pages).

  9. "Fractional Maker-Breaker Resolving Game", COCOA 2020, *Lecture Notes in Comput. Sci.* (Springer), **12577** (2020) 577-593.

  10. "Maker-Breaker resolving game" (with Cong X. Kang, Sandi Klavžar and Ismael G. Yero), *Bull. Malays. Math. Sci. Soc.*, **44** (2021) 2081-2099.

  11. "On the super domination number of graphs" (with Douglas J. Klein and Juan A. Rodríguez-Velázquez), *Commun. Comb. Optim.*, **5**, No. 2 (2020) 83-96.

12. "Bounds on the sum of broadcast domination number and strong metric dimension of graphs", *Discrete Math. Algorithms Appl.*, **12**, No. 1 (2020) 2050010 (14 pages).

13. "On the broadcast domination number of permutation graphs", *Theoret. Comput. Sci.*, **806** (2020) 171-183.

14. "The connected metric dimension at a vertex of a graph" (with Linda Eroh and Cong X. Kang), *Theoret. Comput. Sci.*, **806** (2020) 53-69.

15. "The fractional *k*-metric dimension of graphs" (with Cong X. Kang and Ismael G. Yero), *Appl. Anal. Discrete Math.*, **13** (2019) 203-223.

16. "Bounds on the sum of domination number and metric dimension of graphs" (with Cong X. Kang), *Discrete Math. Algorithms Appl.*, **10**, No. 5 (2018) 1850066 (15 pages).

17. "The fractional strong metric dimension in three graph products" (with Cong X. Kang and Ismael G. Yero), *Discrete Appl. Math.*, **251** (2018) 190-203.

18. "Disjunctive Total Domination in Permutation Graphs", *Discrete Math. Algorithms Appl.*, **9**, No. 1 (2017) 1750009 (20 pages).

19. "A Comparison between the Metric Dimension and Zero Forcing Number of Trees and Unicyclic Graphs" (with Linda Eroh and Cong X. Kang), *Acta Math. Sin. (Engl. Ser.)* (Springer), **33**, Issue 6 (2017) 731-747.

20. "The disjunctive bondage number and the disjunctive total bondage number of graphs", COCOA 2015, *Lecture Notes in Comput. Sci.* (Springer), **9486** (2015) 660-675.

21. "The effect of vertex or edge deletion on the metric dimension of graphs" (with Linda Eroh, Paul Feit and Cong X. Kang), *J. Comb.* (International Press), **6**, No. 4 (2015) 433-444.

22. "On Zero Forcing Number of Graphs and Their Complements" (with Linda Eroh and Cong X. Kang), *Discrete Math. Algorithms Appl.*, **7**, No. 1 (2015) 1550002 (10 pages).

23. "A Comparison between the Zero Forcing Number and the Strong Metric Dimension of Graphs" (with Cong X. Kang), COCOA 2014, *Lecture Notes in Comput. Sci.* (Springer), **8881** (2014) 356-365.

24. "The fractional metric dimension of permutation graphs", *Acta Math. Sin. (Engl. Ser.)* (Springer), **31** (2015) 367-382.

25. "On the geodetic number of permutation graphs", *J. Appl. Math. Comput.* (Springer), **46** (2014) 395-406.

26. "The fractional strong metric dimension of graphs" (with Cong X. Kang), COCOA 2013, *Lecture Notes in Comput. Sci.* (Springer), **8287** (2013) 84-95.

27. "Metric Dimension and Zero Forcing Number of Two Families of Line Graphs" (with Linda Eroh and Cong X. Kang), *Math. Bohem.*, **139**, No. 3 (2014) 467-483.

28. "On the Strong Metric Dimension of Permutation Graphs", *J. Combin. Math. Combin. Comput.*, **90** (2014) 39-58.

29. "On Metric Dimension of Permutation Graphs" (with Michael Hallaway[1] and Cong X. Kang), *J. Comb. Optim.* (Springer), **28**, Issue 4 (2014) 814-826.

30. "On Strong Metric Dimension of Graphs and Their Complements", *Acta Math. Sin. (Engl. Ser.)* (Springer), **29**, Issue 8 (2013) 1479-1492.

31. "On Metric Dimension of Functigraphs" (with Linda Eroh and Cong X. Kang), *Discrete Math. Algorithms Appl.*, **5**, No. 4 (2013) 1250060 (13 pages)

32. "Probabilistic Zero Forcing in Graphs" (with Cong X. Kang), *Bull. Inst. Combin. Appl.*, **67** (2013) 9-16.

33. "A Comparison on Metric Dimension of Graphs, Line Graphs, and Line Graphs of the Subdivision Graphs" (with Douglas J. Klein), *Eur. J. Pure Appl. Math.*, **5**, No 3 (2012) 302-316.

34. "On Zero Forcing Number of Permutation Graphs", COCOA 2012, *Lecture Notes in Comput. Sci.* (Springer), **7402** (2012) 61-72.

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[1]then TAMUG Undergraduate Student

35. "Domination Value in Graphs", *Contrib. Discrete Math.*, **7(2)** (2012) 30-43.

36. "On Metric Dimension of Graphs and Their Complements" (with Linda Eroh and Cong X. Kang), *J. Combin. Math. Combin. Comput.*, **83** (2012) 193-203.

37. "Domination Value in $P_2\square P_n$ and $P_2\square C_n$", *J. Combin. Math. Combin. Comput.*, **82** (2012) 59-75.

38. "Domination in Functigraphs" (with Linda Eroh, Ralucca Gera, Cong X. Kang and Craig E. Larson), *Discuss. Math. Graph Theory*, **32(2)** (2012) 299-319.

39. "Iteration Index of a Zero Forcing Set in a Graph" (with Kiran B. Chilakamarri, Nathaniel Dean and Cong X. Kang), *Bull. Inst. Combin. Appl.*, **64** (2012) 57-72.

40. "Functigraphs: An Extension of Permutation Graphs" (with Andrew Chen, Daniela Ferrero and Ralucca Gera), *Math. Bohem.*, **136** No. 1 (2011) 27-37.

41. "Graphs 2-cell Embedded in Non-orientable Surfaces and Their Coding Sequences" (with Cong X. Kang), *Far East J. Math. Sci. (FJMS)*, **31** Issue 1 (2008) 119-129.

42. "Coding Sequences and Euler's Formula for Graphs on Surfaces" (with Siemion Fajtlowicz), *Congr. Numer.*, **184** (2007) 65-69.

43. "The Convergence Behavior of $f_\alpha(x) = (1 + 1/x)^{x+\alpha}$" (with Cong X. Kang), *College Math. J.*, **38** (2007) 385-387. [Cited as a reference in the chapter "The Exponential Function" of the book "More Calculus of a Single Variable" by P. R. Mercer, Springer, Undergraduate Texts in Mathematics, 2014] There is a Wolfram (Demonstrations Project) applet for the paper; see

    https://demonstrations.wolfram.com/TheConvergenceBehaviorOfAOneParameterFamily/

44. "Disk versus Frustum" (with Cong X. Kang), *Texas College Math. J.*, **4** (2007) 13-20.

45. "Nevanlinna Theory and Iteration of Rational Maps" (with Min Ru), *Math. Z.*, **249** (2005) 125-138. [Cited as a reference in the book "The Arithmetic of Dynamical Systems" by J. H. Silverman, Springer-Verlag, Graduate Texts in Mathematics **241**, 2007]

- **Book Publication**

  1. "*Iteration of Rational Maps: Nevanlinna Theory, Diophantine Approximation.*" VDM Verlag Dr. Müller Aktiengesellschaft & Co., Saarbrücken, Germany (2010). ISBN 978-3-639-25063-3

- **Research Papers Submitted to Refereed Journals**

  1. "On the simultaneous metric dimension of a graph and its complement (with C.X. Kang and I. Peterin), *submitted*

- **Invited Talks/Conference Presentations**

  1. "On the Maker-Breaker resolving game on graphs" (invited talk), New York Combinatorics Seminar (sponsored by the CUNY Graduate Center's Math Dept and Computer Science Dept), NY, (via Zoom) April 2022

  2. "On the truncated metric dimension of graphs" (invited talk), Seminar Series (for Graduate Students) on Graph Theory and Related Topics, Clemson University, SC, (via Zoom) March 2022

  3. "The fractional k-truncated metric dimension of graphs", The 15th Annual International Conference on Combinatorial Optimization and Applications, Tianjin, China, Virtual Online Conference (2021).

  4. "Maker-Breaker Resolving Game" at The 22nd Conference of the International Federation of Operational Research Societies (IFORS), Seoul, South Korea, Virtual Online Conference (2021).

  5. "On the metric dimension of graphs" (invited lecture) for online *summer school on graph searching*, as a part of the 9th Graph Searching in Canada (GRASCan) Workshop, via Zoom, August 2021.

6. "On the edge dimension and fractional edge dimension of graphs" at the 34th Conference of the European Chapter on Combinatorial Optimization (ECCO), Madrid, Spain, Virtual Conference via Zoom (2021).

7. "Fractional Maker-Breaker Resolving Game", The 14th Annual International Conference on Combinatorial Optimization and Applications, Dallas, TX, Virtual Conference via WebEx (2020)

8. "On metric dimension and zero forcing number of some line graphs" (invited talk), *mini-symposium* on "Zero Forcing, Propagation, Throttling: Variations and Applications" at ILAS (Linear Algebra without Borders) Conference, Rio de Janeiro, Brazil, July 2019.

9. "The fractional k-metric dimension of graphs" (invited talk), *Special Session* on "Metric Graph Theory" at 9th Slovenian International Conference on Graph Theory, Bled, Slovenia, June 2019.

10. "The connected metric dimension at a vertex of a graph" (invited talk), *American Mathematical Society (AMS) Special Session on "Graph Theory in Honor of Robert E. Jamison's 70th Birthday"* for 2019 Spring Southeastern Sectional Meeting, Auburn University, Auburn, AL, March 2019.

11. "Broadcast Domination in Permutation Graphs" at The 31st Conference of the European Chapter on Combinatorial Optimization (ECCO 2018), University of Fribourg, Switzerland (2018)

12. "Broadcast Domination in Permutation Graphs" at The 21st Conference of the International Federation of Operational Research Societies (IFORS 2017), Quebec City, Canada (2017)

13. "On the metric dimension and the strong metric dimension of graphs" (invited talk), Conference on Partial Orders, Mixing, Majorization and Applications, at the Centro International de Ciencias A.C., UNAM, México, October 2016.

14. "Disjunctive total domination in permutation graphs", *CombinaTexas 2016*, Texas A&M University, College Station, TX (2016)

15. "The disjunctive bondage number and the disjunctive total bondage number of graphs", The 9th Annual International Conference on Combinatorial Optimization and Applications, Houston, TX (2015)

16. "On metric dimension, strong metric dimension, and zero forcing number of graphs" (invited talk), *Mathematics & Statistics Colloquium*, Sam Houston State University, TX, April 2015.

17. "A Comparison between the Zero Forcing Number and the Strong Metric Dimension of Graphs", The 8th Annual International Conference on Combinatorial Optimization and Applications, Maui, Hawaii (2014)

18. "The fractional metric dimension of trees and generalized prisms" (invited talk), *Mathematics & Statistics Symposium* for US-Korea Conference (UKC) 2014, San Francisco, CA, August 2014.

19. "The fractional metric dimension of permutation graphs", The 26th Conference of the European Chapter on Combinatorial Optimization, Paris, France (2013)

20. "Nordhaus-Gaddum type results on metric dimension and strong metric dimension of graphs", Combina-Texas 2013, University of Houston-Downtown, TX (2013)

21. "On Strong Metric Dimension of Permutation Graphs", The 26th Midwest Conference on Combinatorics, Cryptography and Computing, Southern Utah University, Cedar City, Utah (2012)

22. "On Metric Dimension of Permutation Graphs" (invited talk), *AMS Special Session on "New Advances in Graph Theory"* for 2012 Fall Eastern Sectional Meeting, Rochester Institute of Technology, Rochester, NY, September 2012

23. "On Zero Forcing Number of Permutation Graphs", The 6th Annual International Conference on Combinatorial Optimization and Applications, Banff, Canada (2012)

24. "On Zero Forcing Number of Functigraphs", *AMS Special Session* on "Discrete Mathematics and Geometry" for 2012 Spring Southeastern Section Meeting, University of South Florida, Tampa, FL (2012)

25. "On Chromatic Number, Domination Number, and Metric Dimension in Functigraphs" (invited talk), *Algebra and Combinatorics Seminar*, Texas A&M University, College Station, TX, October 2011

26. "Domination in Functigraphs", Technical Group C at UKC 2011, Park City, Utah (2011)

27. "Domination Value in Graphs", *Mini-symposium* on "Discrete Dynamical Systems II" for the 7th International Congress for Industrial and Applied Mathematics (ICIAM), Vancouver, BC, Canada (2011)

28. "Iteration Index of a Zero Forcing Set in a Graph", *AMS Special Session* on "Discrete Dynamical Systems in Graph Theory, Combinatorics, and Geometry" for 2011 Spring Western Section Meeting, University of Nevada, Las Vegas, NV (2011)

29. "Functigraphs: An Extension of Permutation Graphs", *CombinaTexas 2011*, Sam Houston State University, TX (2011)

30. "Domination in Functigraphs" (invited talk), *Mini-symposium* on "Applications of Graphs and Digraphs" at SIAM (Society for Industrial and Applied Mathematics) Conference on Discrete Mathematics, Austin, TX, June 2010

31. "Functigraphs: An Extension of Permutation Graphs" (invited talk), Discrete Mathematics Seminar at Texas State University, San Marcos, TX, April 2010

32. "Functigraphs: An Extension of Permutation Graphs", The 41th Southeastern International Conference on Combinatorics, Graph Theory, and Computing (SE Conference) at Florida Atlantic University, FL (2010)

33. "Coding Sequences and Their Applications" (invited talk), *AMS Special Session* on "Applications of Graph Theory" at 2010 Joint Mathematics Meetings, San Francisco, CA, January 2010

34. "Graphs 2-cell Embedded in Non-orientable Surfaces and Their Coding Sequences", 40th SE Conference at Florida Atlantic University, FL (2009)

35. "Graphs 2-cell Embedded in Non-orientable Surfaces and Their Coding Sequences" (invited talk), Mathematics Seminar at Naval Postgraduate School, Monterey, CA, Fall 2008

36. "Coding Sequences and Euler's Formula for Graphs on Surfaces", The 88th Annual Meeting of Mathematical Association of America-Texas Section, Tarleton State University, TX (2008)

37. "Repetitions of coding sequences and Euler characteristic formula for graphs on surfaces" (invited talk), Math Colloquium at Texas Southern University, Houston, TX, April 2007

38. "Repetitions of coding sequences and Euler characteristic formula", The 38th SE Conference at Florida Atlantic University, FL (2007)

39. "Nevanlinna Theory and Iteration of Rational Maps" (invited talk), Mathematics Research Seminar at TAMUG, Galveston, TX, 2003

40. Group Presentation on "Elliptic curves of rank 1 over their endomorphism rings and Hilbert's Tenth Problem" at Arizona Winter School on *Logic and Number Theory*, University of Arizona, AZ, 2003 [Cited in the paper, Alexandra Shlapentokh, Elliptic curves retaining their rank in finite extensions and Hilbert's Tenth Problem for rings of algebraic numbers, *Trans. Amer. Math. Soc.* **360**, pp. 3541-3555, 2008]

41. "Nevanlinna Theory and Iteration of Rational Maps" (invited talk), Complex Analysis Seminar at UH, Houston, TX, 2001

- **Teaching**

  1. Courses Taught at TAMUG:

     College Algebra (MATH 102), Pre-Calculus (MATH 150), Finite Mathematics (MATH 166), Business Calculus (MATH 142), Calculus I (MATH 151), Calculus II (MATH 152 & MATH 161), Calculus III (MATH 251), Linear Algebra (Math 304), Differential Equations (Math 308), Intro. Graph Theory (via MATH 485), Topics in Applied Mathematics I (MATH 311) [The course covers Linear Algebra & Vector Calculus started in Calculus III.], Methods of Applied Mathematics I (MATH 601, Graduate Course) [The course covers Linear Algebra & Complex Analysis.]

  2. Courses Taught at UH:

     College Algebra, Pre-Calculus, Finite Mathematics, Business Calculus

  3. New Courses Developed at TAMUG:

     (*i*) MATH 489, Intro. To Graph Theory, approved in 2008

     (*ii*) MATH 489/MATH 311 (with C.X. Kang's help), Topics in Applied Mathematics I [The course covers Linear Algebra & Vector Calculus started in Calculus III.], approved in 2013 – Together with M. Carroll, P. Brown and C.X. Kang, we formally initiated Math Minor at TAMUG in Summer 2013.

(*iii*) MATH 147 (Calculus I for Biological Sciences) and MATH 148 (Calculus II for Biological Sciences) – submitted course syllabi to the Interim Chair of FSCI in 2018

(*iv*) MATH 601 (Methods of Applied Mathematics I) [The course covers mainly linear algebra and complex analysis.] and MATH 613 (Graph Theory) – submitted course syllabi to the Interim Chair of FSCI in 2018

4. Online Courses Developed at TAMUG:

   MATH 151 (Calculus I) and MATH 166 (Finite Math) in Fall 2008, after the hurricane Ike

5. Supervision of Undergraduate Students for TAMUG Students Research Symposium – all resulted in awards of "Best in Category" in mathematics:

   (*i*) W. Rodgers, Poster Presentation at TAMUG Student Research Symposium on "An Approach to Find an Arc Length Through EllipticE" (Spring 2009)

   (*ii*) M. Miller and C. Siller, Poster Presentation at TAMUG Student Research Symposium on "Function Graphs" (Spring 2011)

   (*iii*) M. Hallaway, Poster Presentation at TAMUG Student Research Symposium on "Metric Dimension and Planarity of a Graph" (Spring 2012)

6. Research Project with TAMUG undergraduate*:

   (*i*) "On metric dimension of permutation graphs" (with M. Hallaway* and C.X. Kang), which led to a publication in J. Comb. Optim. (Springer) in 2014.

7. Supervision of TAMUG Honor's Program Students:

   M. Miller (Spring 2011), M. Hallaway (Fall 2011), A. Martin-de-Nicolas (Spring 2012)

- **Talks for Undergraduates at TAMUG (MATH SUMMIT)**

  1. "Sudoku" (2006)

  2. "Fractal Dimension" (2005)

  3. "Logic Game" (2004)

- **Professional Activities**

  1. Reviewer for *Mathematical Reviews* by invitation (2005-Present)

  2. Reviewer for *zbMATH* (Zentralblatt MATH) by invitation (2017-Present)

  3. A member of Ph.D. thesis stand-by committee for A.C. Martinez, Universitat Rovira i Virgili, Spain (2021)

  4. Chaired a session, "Scheduling", at the 14th Annual International Conference on Combinatorial Optimization and Applications, Virtual Conference via WebEx (2020)

  5. Chaired a session, "Optimization in Graphs II", at the 9th Annual International Conference on Combinatorial Optimization and Applications, Houston, TX (2015)

  6. Co-Organizer (with C.X. Kang) of *AMS Special Session* on "Studies in interconnections among parameters in graph theory, combinatorics, and discrete geometry" for 2015 Joint Mathematics Meetings, San Antonio, TX (2015)

  7. Co-Organizer (with C.X. Kang and D.J. Klein) of "Math & Sciences Seminar" at TAMUG (Spring 2014- Spring 2020)

  8. Co-Organizer (with P. Brown, C.X. Kang, and D.J. Klein) of "Math & Sciences Seminar for Research and Education" at TAMUG (Fall 2013)

  9. An Editorial Board member of "Advances and Applications in Discrete Mathematics" by invitation (2013- Present)

  10. An Editorial Board member of the "American Journal of Mathematics and Statistics" by invitation (2011- Present)

11. Co-Organizer (with C.X. Kang) of *AMS Special Session* on "Discrete Mathematics and Geometry" for 2012 Spring Southeastern Section Meeting, University of South Florida, Tampa, FL (2012)

12. Co-Organizer (with N. Dean) of *Mini-symposium* on "Discrete Dynamical Systems I & II" for the 7th International Congress for Industrial and Applied Mathematics (ICIAM), Vancouver, BC, Canada (2011)

13. Participant of 2011 Faculty Abroad Seminar (coordinated by the Office for Latin American Programs and the Texas A&M University Center in Mexico), fully funded by TAMUG & the offices of the Provost and Vice-President for Research at TAMU, Mexico City, Mexico (2011)

14. Co-Organizer (with C.X. Kang) of *AMS Special Session* on "Discrete Dynamical Systems in Graph Theory, Combinatorics, and Geometry" for 2011 Spring Western Section Meeting, University of Nevada, Las Vegas, NV (2011)

15. Chaired a session for contributed papers at CombinaTexas 2011 (2011)

16. Co-Organizer (with R. Gera) of *AMS Special Session* on "New Topics in Graph Theory" for 2011 Joint Mathematics Meetings, New Orleans, LA (2011)

17. Organizer of *Math & Sciences Seminar* at TAMUG (Fall 2010-Spring 2012)

18. Co-Organizer (with A. Duval and D. Ferrero) for *CombinaTexas 2010* at Texas State University, San Marcos, TX (2010)

19. Chaired a session for contributed papers at the 41th SE Conference (2010)

20. Chaired a session for contributed papers at the 40th SE Conference (2009)

21. Chaired two sessions for contributed papers at the 39th SE Conference (2008)

22. Co-Organizer (with D.J. Klein) and web page designer for Speaker Series on "Graph Theory and Related Topics" at TAMUG (Fall 2008-Spring 2009)

23. Journals/conference proceedings for which I served as a referee: "The Australasian Journal of Combinatorics", "Discrete Applied Mathematics", "Discrete Mathematics, Algorithms and Applications", "The Computer Journal", "Electronic Journal of Graph Theory and Applications (EJGTA)", "Theoretical Computer Science", "Ars Combinatoria", "Graphs and Combinatorics", "Applicable Analysis and Discrete Mathematics", "26th International Workshop on Combinatorial Algorithms (IWOCA)", "Contributions to Discrete Mathematics", "Houston Journal of Mathematics"

24. Professional Memberships: American Mathematical Society (2010-2015), The Institute of Combinatorics and its Applications (2008-present), Mathematical Association of America (2010), Association for Women in Mathematics (2008)

- **Grant Proposals**

  1. Aleksander Kelenc (University of Maribor, PI in Slovenia) and I (TAMUG, PI in US), with four additional participants, jointly applied for US-Slovenia Bilateral collaboration grant, titled "Metric dimension variants in graph products", in December 2021.

  2. I. Peterin (University of Maribor, PI in Slovenia), C.X. Kang (TAMUG, PI in US) and I (as a participant) jointly applied for US-Slovenia Bilateral collaboration grant, funded by the Slovenian government for Nov. 2019-Oct. 2021 [BI-US/19-21-077].

  3. Applied for TAMU CIRTL (Center for the Integration of Research, Teaching and Learning) Faculty Fellow position in 2016, not funded

  4. "Travel Grant" for ICM (International Congress of Mathematicians) 2014, not funded

  5. "Travel Grant" for UKC 2011, approved $500 (2011)

  6. TAMUG CIS (Computing and Information Services) Internal Hybrid Grant, approved $1000 (2011)

  7. "Travel Grant" for CombinaTexas 2011, approved $250 (2011)

  8. ICIAM 2011 Travel Grant, submitted to *SIAM* in December 2010, not funded

9. "Travel Grant", submitted to *The Association for Women in Mathematics* in February 2010, not funded

10. Program to Enhance Scholarly and Creative Activities on "Speaker Series on Real-Life Applications of Mathematics" for Fall 09-Spring 10, Submitted to TAMU in March 2009, not funded

11. Speaker Series on "Graph Theory and Related Topics" for Fall 08-Spring 09, submitted in April 2008, approved $2000 (264320-00400) by Research Advisory Council of TAMUG

12. Travel Grant for American Institute of Mathematical Sciences, submitted in Spring 2008, approved $200, necessary matching funds not available

13. Grant for Women in Mathematics Program by MAA/Tensor Foundation, "Introducing Women to a MATH DAY with Follow-Up" (with E. Turner), submitted in 2007, the program director advised to resubmit with modifications, necessary matching funds not available

- **Participated Programs as a graduate student – fully funded by the program organizers**

  1. Arizona Winter School on "Logic and Number Theory", University of Arizona, March 2003

  2. Summer Program for Graduate Students on "Number Theory", The Institute of Mathematics and Its Applications, 2000

- **Service**

  1. Member of "College Level Tenure and Promotion Committee" at TAMUG (Fall 2022)

  2. Member of "Committee on Academic Freedom, Responsibility, and Tenure" (CAFRT) at TAMU (Fall 2019-Fall 2022)

  3. Chair of "Department Level Tenure and Promotion Committee" of FSCI, TAMUG (Fall 2019)

  4. Applied for the FSCI Chair position, though Not appointed by the TAMU(G) administrators, with the hope to implement "shared and enlightened governance" that promotes transparency, fairness, and mutual respect, among others, in FSCI (2019)

  5. Chair of "Search Committee for Instructional Assistant Professor in Mathematics" at TAMUG (Fall 2018 – Spring 2019)

  6. Co-chair of "College Level Tenure and Promotion Committee" at TAMUG (Fall 2018)

  7. Chair of a task-force for Post-Tenure Review (PTR) of the math faculty at TAMUG – a consensus PTR document was drafted by and for the tenured math faculty (Spring 2017)

  8. Member of "Search Advisory Committee for the Vice President & Chief Operation Officer" at TAMUG (Spring 2016–Fall 2016)

  9. Assisted MASE of TAMUG for ABET (The Accreditation Board for Engineering and Technology) accreditation by filling out a Math 308 (Differential Equations) course syllabus form (Fall 2015)

  10. Prepared (with C.X. Kang) a packet for C.Y. Suen for The Association of Former Students (AFS) Distinguished Achievement Awards at the University level in Teaching (mid December 2014-early January 2015) – Dr. Suen received AFS Award in Teaching at the University level in 2015.

  11. Member of "Faculty Advisory Committee" at TAMUG (Fall 2014-2017)

  12. Member of "University Tenure and Mediation Committee" at TAMU (Fall 2013-Spring 2016)

  13. Member of "Departmental Tenure and Promotion Committee" of GACD, TAMUG (Fall 2014-Spring 2015)

  14. Member of "MATH Assessment Committee" of GACD, TAMUG (2015)

  15. Wrote a support letter for S. Geller (TAMU College Station faculty) for Women Faculty Network (WFN) Mentoring Award (Spring 2014) – Dr. Geller received WFN Outstanding Mentoring Award in 2014.

  16. Faculty representative (of TAMUG) on the University level "Association of Former Students Award Selection Committee" at TAMU (Spring 2014)

17. Category judge of mathematics at "Galveston County Science and Engineering Fair" (2014)

18. Member of "Unified Math Tests Committee" of GACD, TAMUG (2014)

19. Assisted with ABET for an Engineering Department at TAMUG (Fall 2013)

20. Member of "Library Committee" at TAMUG (Fall 2012-2017)

21. Member of "Search Committee for Assistant Director of Counseling and Disabilities" at TAMUG (2011)

22. "Galveston County Science & Engineering Fair" Divisional judge in Jr. Physical Sciences (2010)

23. Proctored exams or substituted classes, through the years, for colleagues (Dr. Philip R. Brown, Ms. Susan Fieglein, Dr. Cong X. Kang, Ms. Adelaide Pangemanan, and Ms. Elizabeth Turner) in GACD of TAMUG.

24. Member of "Faculty Steering Committee" for Academic Enhancement at TAMUG (Fall 2008–2011)

25. Member of "Diversity Steering Committee" [which became "Committee on Climate and Inclusion" since Fall 2014] at TAMUG (Spring 2008–Summer 2016)

26. Member of "Assessment Council" at TAMUG (Spring 2009–2011)

27. "Galveston County Science and Engineering Fair" Divisional Judge (2008)

28. "TAMUG Scholarship Judge for High School Seniors" (2008)

29. "Galveston County Science and Engineering Fair" Divisional Judge (2007)

30. Member of "Faculty Steering Committee" for Academic Enhancement at TAMUG (Fall 2003–Spring 2007)

31. Assisted the Committee in "Search of Senior Academic Advisors" at TAMUG (2006, 2005)

32. Member of "Search Committee for the Director of Academic Enhancement" at TAMUG (2005)

33. Member of "Search Committee for Lecturer in Mathematics" at TAMUG (2004)

34. Advised Students at TAMUG (Fall 2003–Present)

35. Peer Advisor for International Students at UH (2000)