

CURRICULUM VITAE*

Olga M. Kosheleva

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EDUCATION

- 2003 Ph.D. in Computer Engineering, University of Texas at El Paso
Title: “Task-Specific Metrics and Optimized Rate Allocation Applied to Part 2 of JPEG2000 and 3-D Meteorological Data”
- 1994 M.S. in Computer Science, University of Texas at El Paso
Title: “Approximating General Logic Programs”
- 1982 Postgraduate Student in Radioastronomy, Special Astrophysical Observatory, Soviet Academy of Sciences, Pulkovo, Russia
- 1978 M.S. in Mathematics and Applied Mathematics, Novosibirsk University, Novosibirsk, Russia, Diploma Summa Cum Laude
Title: “Axiomatization of Volume in Elementary Geometry”

HONORS AND AWARDS

- August 2021 Outstanding Paper Award, International Conference on Intelligent and Fuzzy Systems INFUS’2021, Istanbul, Turkey, August 24–26, 2021
- June 2021 Best Student Paper Award, Interval Session, Annual Conference of the North American Fuzzy Information Processing Society NAFIPS’2021, West Lafayette, Indiana, June 7–9, 2021

*Softcopies of many published papers are available on the online version of the CV at <http://www.cs.utep.edu/vladik/olgavita.html>.

- September 2020 Best Paper Award, 1st International Symposium on Artificial Intelligence and Applications, Melbourne, Australia, September 7–11, 2020
- May 2019 Faculty Marshal of Graduate Students, College of Education, University of Texas at El Paso
- August 2015 Outstanding Paper Award, Joint Annual Conference of the North American Fuzzy Information processing Society NAFIPS'2015 and 5th World Conference on Soft Computing, Redmond, Washington, August 17–19, 2015
- August 2015 Outstanding Student Paper Award, Joint Annual Conference of the North American Fuzzy Information processing Society NAFIPS'2015 and 5th World Conference on Soft Computing, Redmond, Washington, August 17–19, 2015
- December 2014 Faculty Marshal of Graduate Students, College of Education, University of Texas at El Paso
- July 2014 Excellent Paper Award, 11th International Symposium on Management Engineering ISME'2014, Kitakyushu, Japan, July 27–30, 2014
- July 2010 Best Paper Award, 2010 International Conference of the North American Fuzzy Information Processing Society NAFIPS'2010, Toronto, Canada, July 12–15, 2010
- May 2010 Award for Excellence in Scholarship, College of Education, University of Texas at El Paso
- May 2010 Faculty Marshal of Students, College of Education, University of Texas at El Paso

PROFESSIONAL EXPERIENCE

- 2017–present Co-Chair and Director of STEM Education Division, Department of Teacher's Education, University of Texas at El Paso
- 2011–present Associate Professor, Department of Teacher's Education, University of Texas at El Paso
- 2005–11 Assistant Professor, Department of Teacher's Education, University of Texas at El Paso
- 2004–present Adjunct Professor, Department of Electrical and Computer Engineering, University of Texas at El Paso

- 2002–07 External Evaluator, Department of Education, Teacher Quality Professional Development Grants, University of Texas at El Paso
- 2001–05 Lecturer, Department of Teacher’s Education, University of Texas at El Paso
- 2004 Research Engineer, Department of Electrical and Computer Engineering, University of Texas at El Paso
- 2003–04 Visiting Professor, Catholic University of Pelotas, Brazil
- 1996–2004 Supervising research by undergraduate and graduate students, Department of Electrical and Computer Engineering, University of Texas at El Paso
- 2002 Visiting Researcher, Euler International Mathematical Institute, St. Petersburg, Russia
- 1995–2001 Research Assistant, Department of Electrical and Computer Engineering, University of Texas at El Paso
- Summer 2000 Taught an undergraduate Signals and Systems class at the Department of Electrical and Computer Engineering, University of Texas at El Paso
- 1996–2000 Substitute lecturer in Signals and Systems class at the Department of Electrical and Computer Engineering, University of Texas at El Paso
- 1996–97 Member of the management team for a student affinity group in Electrical and Computer Engineering, supported by a special NSF Education grant; duties include managing and supervising the group; promoting teamwork, brainstorming, cooperative learning, University of Texas at El Paso
- 1991–93 Research Assistant, Computer Science Department, University of Texas at El Paso
- 1987–89 Senior Research Associate, “Impulse”, Consulting Firm in Applied Mathematics and Computing, St. Petersburg, Russia
- 1983–87 Research Associate, Computing Center and Department of Automated Control Systems, Technological Institute for Refrigerating Industry, St. Petersburg, Russia
- 1983–87 Teaching Assistant for Introduction to Computer Science for Engineers, Technological Institute for Refrigerating Industry, St. Petersburg, Russia

- 1978–80 Research Associate, Special Astrophysical Observatory, Soviet Academy of Sciences, Pulkovo, Russia
- 1973–78 Certified Tutor in Mathematics for University students, Novosibirsk University, Russia

TEACHING

Undergraduate Courses Taught

- 2001–present Teaching Mathematics in Dual Language Classroom
- 2001–present Teaching Mathematics in Middle Grades
- 2001–present Teaching Mathematics in Primary Grades
- 2001–present Teaching Mathematics in Secondary School
- 2000 Signals and Systems

Graduate Courses Taught

- 2005–present Authentic Assessment in Math Classroom
- 2005–present Current Topics in Math Education: Learning Theory
- 2005–present Current Topics in Math Education: Technology in Math Classroom
- 2005–present Development of Mathematics and Science Concepts in Young Children
- 2005–present Introduction to Research in Mathematics Education
- 2005–present Pedagogical Content Knowledge in Teaching Mathematics: Development of Algebraic Reasoning
- 2005–present Pedagogical Content Knowledge in Teaching Mathematics: Development of Geometric Reasoning
- 2005–present Pedagogical Content Knowledge in Teaching Mathematics: Development of Quantitative Reasoning
- 2005–present Research-Based Practices in Mathematical Classroom

LANGUAGES

- English: fluent
- Russian: fluent
- Spanish: took Intensive Spanish for Faculty I, II, and III

MEMBERSHIP IN PROFESSIONAL SOCIETIES

2005–present	American Educational Research Association (AERA)
1978–present	American Mathematical Society (AMS)
2005–present	Association of Mathematics Teacher Educators (AMTE); 2010–13: member of AMTE Membership Committee 2007–09: member of the AMTE Technology Committee
2004–present	Greater El Paso Council of Teachers of Mathematics GEPCTM
1991–94, 1998–now	The Institute of Electrical and Electronics Engineers (IEEE); Senior Member since 2013
2021–present	IEEE Brain Community
2015–present	IEEE Systems, Man, and Cybernetics Society
2019–present	International Quantum Structures Association (IQSA)
2004–present	Mathematical Association of America (MAA)
2011–present	National Association of Research in Science Teaching (NARST)
2004–present	National Council of Teachers of Mathematics (NCTM)
2005–present	North American Chapter of the International Group for the Psychology of Mathematics Education (PME-NA)
2014–present	Scandinavian Logic Society
2004–present	Sigma Xi, International Research Society 2007–08: President, El Paso Chapter 2006–07: Vice-President, El Paso Chapter
2011–present	Society for Effective Teaching (SET)
2002–present	Society for Industrial and Applied Mathematics (SIAM)
2005–present	Society for Information Technology and Teacher Education (SITE)
2014–present	Texas Association of Teacher Educators (TxATE)
2010–present	Texas Council of Teachers of Mathematics (TCTM)
2010–present	Text and Academic Authors Association (TAA)
2007–present	Todos: Mathematics for All
1992–present	Upsilon Pi Epsilon (UPE), Computer Science Honor Society
2012	IEEE Communication Society

2009–10	National Education Association (NEA)
2009–10	Texas Faculty Association (TFA)
2005–06	Association for Computing Machinery (ACM) Special Interest Group on Applied Computing SIGAPP
1999–2004	The International Society for Optical Engineering (SPIE)
1990–94	Association for Computing Machinery (ACM)
1991–94	The Association for Logic Programming (ALP)
1989–91	Balkan Logical Society

EDITORSHIPS

2009–present	“Contemporary Issues in Technology and Teacher Education (CITE)”, member of the Editorial Review Board
2007–present	“Informatics in Education”, member of the International Editorial Board
2008	Member, Advisory Council, 7th Edition of “Elementary and Middle School Mathematics” by John A. Van de Walle, Karen S. Karp, and Jennifer M. Bay-Williams, Pearson Education, Boston, Massachusetts, 2010

UNIVERSITY SERVICE AND OUTREACH

Service: University Level

2016–present	UTEP College of Education Representative at the El Paso Community College Prudential Math/IT Task Force
2016–19	UTEP Center for Faculty Leadership and Development (previously UTEP Center for Excellence in Teaching and Learning – CETaL), College of Education Fellow
2007–11, 2015–18	Member, Library Committee of the Faculty Senate 2009–10, 2017–18: Chair, Library Committee of the Faculty Senate
2009, 2011–13, 2016–18, 2020–22	Member, Faculty Senate
2009–11, 2014–16, 2018–20	Alternate, Faculty Senate
2006, 2013	Member, Outstanding Thesis Committee, Graduate School
Spring 2012	Member, UTEP-El Paso Community College Curriculum Alignment Committee

Service: Inter-Disciplinary Level

- 2008–12 Team Member, CenMaSTER, Center for Mathematics, Science, and Technology Education and Research
- 2005–07 Member, Mathematics Working Group, Teacher for New Era (TNE) Program funded by the Carnegie Corporation

Service: College Level

- 2018–present Member, College Tenure and Promotion Committee
- 2017–present Member, Curriculum Committee
- Spring 2017 Member, Educator Preparation Program (EPP) Committee
- 2016–17 Member, Tenure and Promotion Guidelines Task Force
- 2014–15 Conducting bimonthly Texas Examination of Education Standards (TExES) Preparation Workshops for pre-service teachers
- 2011–14 Member, Strategic Implementation Advisory Committee
- 2008–12 Faculty Member, Project LEAP UP – Learning, Encouraging, And Planning to Uplift Performance, a project focusing on English Language Proficiency Standards and improving education for English Language Learners, supported by the Department of Education grant
- 2006–12 Faculty Member, Mother-Daughter/Father-Son Program, a program focusing on engaging sixth-grade Hispanic girls and boys together with their mothers and fathers to participate in activities designed to help raise educational aspirations
- 2006–12 Faculty Member, Action for Equity (ACE) Project, a project aimed at gender equity in STEM disciplines, supported by the Department of Education grant
- 2007–10 Faculty Mentor, UTEP Student Chapter of the Texas State Teacher Association (TSTA)
- 2008 Faculty Mentor, UTEP student team at the NASA National Competition on the Best Math/Science Lesson Plan, NASA Pre-Service Teachers Conference (PSTC), Arlington, Virginia; UTEP team placed 5th nationally
- 2005 Faculty Mentor, UTEP student team at the NASA National Competition on the Best Math/Science Lesson Plan, NASA

Pre-Service Teachers Conference (PSTC), Arlington, Virginia

Service: Department Level

2017–present	Co-Chair of the Teacher Education Department and Director of STEM Education
2005–present	Weekly advising/tutoring for undergraduate and graduate students
2012–16	Member, Doctoral Committee of the Teaching, Learning, and Culture Program
2015	Member, Search Committee for an Open Rank Faculty Position in Early Childhood Education
2010–15	Math, Science, and Technology Program Coordinator
2011–12	Member, Search Committee for an Open Rank Faculty Position in Mathematics Education
2011–12	Member, Search Committee for an Open Rank Faculty Position in Technology Education
2010	Member, Search Committee for an Open Rank Faculty Position in Science Education

Outreach

2007–present	conducting workshops for in-service teachers; workshops are supported by grants from the Texas Higher Education Coordinating Board: the Teacher Quality grants, the Supporting A Better Education in Math And Science (SaBE MaS) grant, and The UTEP Master Teacher Academies grant
February 11, 2011	conducted workshop “Graphical Representations of data: Math and science integration” at UTEP’s Mother-Daughter/Father-Son Program 24th Annual Career Day and Supporting A Better Education in Math And Science (SaBE MaS) Project STudent Always Reaching for the Top (START), University of Texas at El Paso, El Paso, Texas
November 13, 2010	conducted workshop with coordinators of community projects related to Math and Science, at UTEP’s Mother-Daughter/Father-Son Program Annual Open House and Supporting A Better Education in Math And Science (SaBE MaS)

- Project STudent Always Reaching for the Top (START), University of Texas at El Paso, El Paso, Texas
- March 1, 2008 presented a talk “Famous women in STEM disciplines” at the UTEP Mother-Daughter/Father-Son Program Career Day, University of Texas at El Paso, El Paso, Texas
- November 17, 2007 Ciencia para familia, presentation of Science activities at the Maquiladora Project, Cd. Juarez, Mexico
- November 10, 2007 conducted workshop “Learning mathematics and Science Actively by Using Innovative Tablet PC Technology”, at UTEP’s Mother-Daughter/Father-Son Program 22nd Annual Open House and University Tour, University of Texas at El Paso, El Paso, Texas
- November 9, 2007 conducted workshop “Learning mathematics actively using origami hands-on activities and Tablet PC Technology”, at Discover Your Inner Beauty (Mirror, Mirror), A Girl Scouts of the Rio Grande Event, El Paso, Texas
- September 24, 2007 conducted workshop “Fun with Science, Technology, Engineering and Math”, organized by the ACTION for Equity (ACE) grant from the U.S. Department of Education
- October 28, 2006 conducted workshop “Math + Technology = FUN” during UTEP’s Mother-Daughter/Father-Son Program 21st Annual Open House and University Tour, University of Texas at El Paso, El Paso, Texas
- July 22, 2006 conducted workshop “Gender Issues in Mathematics Education”, Summer Workshop “S.T.E.M. Power” organized by the ACTION for Equity (ACE) Project, a project supported by the US Department of Education, El Paso, Texas
- May 13, 2006 conducted workshop “Mathematics Explorations through Origami” at Mother-Daughter/Father-Son Summer Camp
- April 19, 2006 conducted workshop “Mathematics Explorations”, organized by the ACTION for Equity (ACE) Project, a project supported by the US Department of Education, El Paso, Texas
- 2005–06 Organizer, Parent Power Nights, Canutillo Independent School District, Canutillo, Texas
- 2005–06 Organized and conducted Mathematical After-School Program for Gifted and Talented Children, Grades 4–6, Canutillo

Independent School District, Canutillo, Texas

1972–78 Participated in the organization of mathematical Olympiads for high school and middle high school students, Novosibirsk school district, Russia

Summer 1973 Certified Tutor, special outreach program for teaching mathematics to incoming high school students to prepare them for the University entrance exams, Novosibirsk University, Russia

PUBLICATIONS¹

(student co-authors are marked by *)

Research books

1. Olga Kosheleva and Karen Villaverde, *How Interval and Fuzzy Techniques Can Improve Teaching*, Springer Verlag, 2018.

Edited books

1. Olga Kosheleva, Sergey Shary, Gang Xiang, and Roman Zapatrin (eds.), *Beyond Traditional Probabilistic Data Processing Techniques: Interval, Fuzzy, etc. Methods and Their Applications*, Springer, Cham, Switzerland, 2020.

Research book chapters

1. *Jonatan Contreras, Martine Ceberio, Olga Kosheleva, Vladik Kreinovich, and Nguyen Hoang Phuong, “Why Rectified Linear Neurons: Two Convexity-Related Explanations”, In: Nguyen Hoang Phuong and Vladik Kreinovich, *Biomedical and Other Applications of Soft Computing*, Springer, Cham, Switzerland, 2022, to appear.
2. Vladik Kreinovich and Olga Kosheleva, “Why Quantum Techniques Are a Good First Approximation to Economic Phenomena, and What Next”, In: Nguyen Hoang Phuong and Vladik Kreinovich, *Biomedical and Other Applications of Soft Computing*, Springer, Cham, Switzerland, 2022, to appear.
3. Olga Kosheleva, Vladik Kreinovich, and Nguyen Hoang Phuong, “How to Work? How to Study? Shall We Cram for the Exams? And How Is This Related to Life on Earth?”, In: Nguyen Hoang Phuong and Vladik Kreinovich, *Biomedical and Other Applications of Soft Computing*, Springer, Cham, Switzerland, 2022, to appear.
4. *Edgar Daniel Rodriguez Velasquez, Vladik Kreinovich, Olga Kosheleva, and Hoang Phuong Nguyen, “How the Pavement’s Lifetime Depends on the Stress Level: An Explanation of the Empirical Formula”,

¹Softcopies of many published papers are available on the online version of the CV at <http://www.cs.utep.edu/vladik/olgavita.html>.

In: Nguyen Hoang Phuong and Vladik Kreinovich, *Biomedical and Other Applications of Soft Computing*, Springer, Cham, Switzerland, 2022, to appear.

5. Olga Kosheleva, *Julio Urenda, and Vladik Kreinovich, “Reward for Good Performance Works Better Than Punishment for Mistakes: Economic Explanation”, In: Songsak Sriboonchitta, Vladik Kreinovich, Woraphon Yamaka (eds.), *Credible Asset Allocation, Optimal Transport Methods, and Related Topics*, Springer, Cham, Switzerland, 2022, to appear.
6. *Laxman Bokati, Olga Kosheleva, Vladik Kreinovich, and Nguyen Ngoc Thach, “Economics of Reciprocity and Temptation”, In: Songsak Sriboonchitta, Vladik Kreinovich, Woraphon Yamaka (eds.), *Credible Asset Allocation, Optimal Transport Methods, and Related Topics*, Springer, Cham, Switzerland, 2022, to appear.
7. *Oscar Galindo, Olga Kosheleva, and Vladik Kreinovich, “How to Efficiently Store Intermediate Results in Quantum Computing: Theoretical Explanation of the Current Algorithm”, In: Songsak Sriboonchitta, Vladik Kreinovich, Woraphon Yamaka (eds.), *Credible Asset Allocation, Optimal Transport Methods, and Related Topics*, Springer, Cham, Switzerland, 2022, to appear.
8. *Sean R. Aguilar, Olga Kosheleva, and Vladik Kreinovich, “Why Base-20, Base-40, and Base-60 Number Systems?”, In: Martine Ceberio and Vladik Kreinovich (eds.), *Decision Making under Uncertainty and Constraints: A Why-Book*, Springer, Cham, Switzerland, 2022, to appear.
9. Martine Ceberio, Christian Servin, Olga Kosheleva, and Vladik Kreinovich, “How to Best Write Research Papers: Basic English? Sophisticated English?”, In: Martine Ceberio and Vladik Kreinovich (eds.), *Decision Making under Uncertainty and Constraints: A Why-Book*, Springer, Cham, Switzerland, 2022, to appear.
10. Olga Kosheleva and Vladik Kreinovich, “How to Teach Advanced Highly Motivated Students: Teaching Strategy of Iosif Yakovlevich Verebeichik”, In: Martine Ceberio and Vladik Kreinovich (eds.), *Decision Making under Uncertainty and Constraints: A Why-Book*, Springer, Cham, Switzerland, 2022, to appear.

11. Olga Kosheleva and Vladik Kreinovich, “What Is $1/0$ from the Practical Viewpoint: A Pedagogical Note”, In: Martine Ceberio and Vladik Kreinovich (eds.), *Decision Making under Uncertainty and Constraints: A Why-Book*, Springer, Cham, Switzerland, 2022, to appear.
12. Olga Kosheleva and Vladik Kreinovich, “Why ∞ Is a Reasonable Symbol for Infinity”, In: Martine Ceberio and Vladik Kreinovich (eds.), *Decision Making under Uncertainty and Constraints: A Why-Book*, Springer, Cham, Switzerland, 2022, to appear.
13. Olga Kosheleva and Vladik Kreinovich, “Why Chomsky Normal Form: A Pedagogical Note”, In: Martine Ceberio and Vladik Kreinovich (eds.), *Decision Making under Uncertainty and Constraints: A Why-Book*, Springer, Cham, Switzerland, 2022, to appear.
14. Olga Kosheleva and Vladik Kreinovich, “Why Semi-Supervised Learning Makes Sense: A Pedagogical Note”, In: Martine Ceberio and Vladik Kreinovich (eds.), *Decision Making under Uncertainty and Constraints: A Why-Book*, Springer, Cham, Switzerland, 2022, to appear.
15. Christian Servin, Olga Kosheleva, and Vladik Kreinovich, “Shall We Ignore All Intermediate Grades?”, In: Martine Ceberio and Vladik Kreinovich (eds.), *Decision Making under Uncertainty and Constraints: A Why-Book*, Springer, Cham, Switzerland, 2022, to appear.
16. Christian Servin, Olga Kosheleva, and Vladik Kreinovich, “Why 70/100 Is Satisfactory? Why Five Letter Grades? Why Other Academic Conventions?”, In: Martine Ceberio and Vladik Kreinovich (eds.), *Decision Making under Uncertainty and Constraints: A Why-Book*, Springer, Cham, Switzerland, 2022, to appear.
17. Julian Viera Jr. and Olga Kosheleva, “Historical diversity through base-10 representation of Mayan math”, In: Martine Ceberio and Vladik Kreinovich (eds.), *Decision Making under Uncertainty and Constraints: A Why-Book*, Springer, Cham, Switzerland, 2022, to appear.
18. *Daniela Flores, Olga Kosheleva, and Vladik Kreinovich, “Why Geographical Regions?”, In: Martine Ceberio and Vladik Kreinovich (eds.), *Decision Making under Uncertainty and Constraints: A Why-Book*, Springer, Cham, Switzerland, 2022, to appear.

19. Olga Kosheleva and Vladik Kreinovich, “Blessings, God, Sacrifices: Possible Rational Explanations of Biblical Ideas”, In: Martine Ceberio and Vladik Kreinovich (eds.), *Decision Making under Uncertainty and Constraints: A Why-Book*, Springer, Cham, Switzerland, 2022, to appear.
20. Olga Kosheleva and Vladik Kreinovich, “Godel’s Proof of Existence of God Revisited”, In: Martine Ceberio and Vladik Kreinovich (eds.), *Decision Making under Uncertainty and Constraints: A Why-Book*, Springer, Cham, Switzerland, 2022, to appear.
21. Olga Kosheleva and Vladik Kreinovich, “Lev Landau’s Marital Advice Explained”, In: Martine Ceberio and Vladik Kreinovich (eds.), *Decision Making under Uncertainty and Constraints: A Why-Book*, Springer, Cham, Switzerland, 2022, to appear.
22. Olga Kosheleva and Vladik Kreinovich, “Selfish Gene Theory Explains Oedipus Complex?”, In: Martine Ceberio and Vladik Kreinovich (eds.), *Decision Making under Uncertainty and Constraints: A Why-Book*, Springer, Cham, Switzerland, 2022, to appear.
23. Luc Longpré, Olga Kosheleva, and Vladik Kreinovich, “Additional Spatial Dimensions Can Help Speed Up Computations”, In: Martine Ceberio and Vladik Kreinovich (eds.), *Decision Making under Uncertainty and Constraints: A Why-Book*, Springer, Cham, Switzerland, 2022, to appear.
24. Luc Longpré, Olga Kosheleva, and Vladik Kreinovich, “Baudelaire’s Ideas of Vagueness and Uniqueness in Art: Algorithm-Based Explanations”, In: Martine Ceberio and Vladik Kreinovich (eds.), *Decision Making under Uncertainty and Constraints: A Why-Book*, Springer, Cham, Switzerland, 2022, to appear.
25. Miroslav Svitek, Olga Kosheleva, and Vladik Kreinovich, “As Complexity Rises, Meaningful Statements Lose Precision – but Why?”, In: Martine Ceberio and Vladik Kreinovich (eds.), *Decision Making under Uncertainty and Constraints: A Why-Book*, Springer, Cham, Switzerland, 2022, to appear.

26. *Julio Urenda, *Sean Aguilar, Olga Kosheleva, and Vladik Kreinovich, “Fuzzy Techniques, Laplace Indeterminacy Principle, and Maximum Entropy Approach Explain Lindy Effect and Help Avoid Meaningless Infinities in Physics”, In: Martine Ceberio and Vladik Kreinovich (eds.), *Decision Making under Uncertainty and Constraints: A Why-Book*, Springer, Cham, Switzerland, 2022, to appear.
27. *Julio Urenda, Martine Ceberio, Olga Kosheleva, and Vladik Kreinovich, “Why Homogeneous Membranes Lead to Optimal Water Desalination: A Possible Explanation”, In: Martine Ceberio and Vladik Kreinovich (eds.), *Decision Making under Uncertainty and Constraints: A Why-Book*, Springer, Cham, Switzerland, 2022, to appear.
28. *Julio C. Urenda, Olga Kosheleva, and Vladik Kreinovich, “Dimension Compactification Naturally Follows from First Principles”, In: Martine Ceberio and Vladik Kreinovich (eds.), *Decision Making under Uncertainty and Constraints: A Why-Book*, Springer, Cham, Switzerland, 2022, to appear.
29. Vladik Kreinovich and Olga Kosheleva, “How to Simulate If We Only Have Partial Information But We Want Reliable Results?”, In: Enrico Zio, Panos Pardalos, Mahdi Fathi (eds.), *Handbook of Smart Energy Systems*, Springer, to appear.
30. Olga Kosheleva and Vladik Kreinovich, “How Multi-View Techniques Can Help In Processing Uncertainty”, In: Witold Pedrycz and Shyi-Ming Chen (eds.), *Recent Advancements in Multi-View Data Analytics*, Springer, to appear.
31. Olga Kosheleva, Vladik Kreinovich, and Kittawit Autchariyapanikul, “Commonsense Explanations of Sparsity, Zipf Law, and Nash’s Bargaining Solution”, In: Nguyen Ngoc Thach, Doan Thanh Ha, Nguyen Duc Trung, and Vladik Kreinovich (eds.), *Prediction and Causality in Econometrics and Related Topics*, Springer, Cham, Switzerland, to appear.
32. *Julio C. Urenda, Olga Kosheleva, and Vladik Kreinovich, “Why Most Empirical Distributions Are Few-Modal”, In: Nguyen Ngoc Thach, Doan Thanh Ha, Nguyen Duc Trung, and Vladik Kreinovich (eds.),

Prediction and Causality in Econometrics and Related Topics, Springer, Cham, Switzerland, to appear.

33. Olga Kosheleva and Vladik Kreinovich, “Are There Traces of Megacomputing in Our Universe”, In: Andrew Adamatzky (ed.), *Unconventional Computing, Arts, Philosophy*, World Scientific, to appear.
34. *Julio C. Urenda, Olga Kosheleva, and Vladik Kreinovich, “How to Describe Measurement Errors: A Natural Generalization of the Central Limit Theorem Beyond Normal (and Other Infinitely Divisible) Distributions”, In: Franco Pavese, Alistair B. Forbes, Nien Fan Zhang, and Anna G. Chunovkina (eds.), *Advanced Mathematical and Computational Tools in Metrology and Testing XII*, World Scientific, Singapore, 2021, pp. 418–428.
35. Martine Ceberio, Olga Kosheleva, and Vladik Kreinovich, “What If We Use Almost-Linear Functions Instead of Linear Ones as a First Approximation in Interval Computations”, In: Franco Pavese, Alistair B. Forbes, Nien Fan Zhang, and Anna G. Chunovkina (eds.), *Advanced Mathematical and Computational Tools in Metrology and Testing XII*, World Scientific, Singapore, 2021, pp. 149–166.
36. Christian Servin, Olga Kosheleva, and Vladik Kreinovich, “How to Separate Absolute and Relative Error Components: Interval Case”, In: Franco Pavese, Alistair B. Forbes, Nien Fan Zhang, and Anna G. Chunovkina (eds.), *Advanced Mathematical and Computational Tools in Metrology and Testing XII*, World Scientific, Singapore, 2021, pp. 390–405.
37. Olga Kosheleva, Vladik Kreinovich, and Hoang Phuong Nguyen, “Optimization under Fuzzy Constraints: Need to Go Beyond Bellman-Zadeh Approach and How It Is Related to Skewed Distributions”, In: Nguyen Hoang Phuong and Vladik Kreinovich (eds.), *Soft Computing: Biomedical and Related Applications*, Springer, Cham, Switzerland, 2021, pp. 175–182.
38. *Edgar Daniel Rodriguez Velasquez, Vladik Kreinovich, Olga Kosheleva, and Hoang Phuong Nguyen, “Why Some Power Laws Are Possible And Some Are Not”, In: Nguyen Hoang Phuong and Vladik Kreinovich

(eds.), *Soft Computing: Biomedical and Related Applications*, Springer, Cham, Switzerland, 2021, pp. 213–218.

39. *Isaac Bautista, Vladik Kreinovich, Olga Kosheleva, and Hoang Phuong Nguyen, “Why It Is Sufficient to Have Real-Valued Amplitudes in Quantum Computing”, In: Nguyen Hoang Phuong and Vladik Kreinovich (eds.), *Soft Computing: Biomedical and Related Applications*, Springer, Cham, Switzerland, 2021, pp. 131–136.
40. *Edgar Daniel Rodriguez Velasquez, Vladik Kreinovich, Olga Kosheleva, and Hoang Phuong Nguyen, “How to Estimate the Stiffness of the Multi-Layer Road Based on Properties of Layers: Symmetry-Based Explanation for Odemark’s Equation”, In: Nguyen Hoang Phuong and Vladik Kreinovich (eds.), *Soft Computing: Biomedical and Related Applications*, Springer, Cham, Switzerland, 2021, pp. 219–225.
41. Nguyen Ngoc Thach, Olga Kosheleva, and Vladik Kreinovich, “Need for Diversity in Elected Decision-Making Bodies: Economics-Related Analysis”, In: Nguyen Hoang Phuong and Vladik Kreinovich (eds.), *Soft Computing: Biomedical and Related Applications*, Springer, Cham, Switzerland, 2021, pp. 227–231.
42. Vladik Kreinovich, Olga Kosheleva, and Laxman Bokati, “We Need Fuzzy Techniques to Design Successful Human-Like Robots”, In: Cengiz Kahraman and Eda Boltürk (Eds.), *Toward Humanoid Robots: The Role of Fuzzy Sets*, Springer, Cham, Switzerland, 2021, pp. 121–131.
43. Olga Kosheleva and Vladik Kreinovich, “Are There Traces of Megacomputing in Our Universe”, In: Andrew Adamatzky and Louis-José Lestocart (eds.), *Thoughts on Unconventional Computing*, Luniver Press, Bristol, UK, 2021, pp. 27–29.
44. Olga Kosheleva and Vladik Kreinovich, “Physical Randomness Can Help in Computations”, In: Andrew Adamatzky (ed.), *Handbook on Unconventional Computing*, World Scientific, 2021, pp. 363–373.
45. Olga Kosheleva and Vladik Kreinovich, “A Mystery of Human Biological Development – Can It Be Used to Speed up Computations?”, In: Andrew Adamatzky (ed.), *Handbook on Unconventional Computing*, World Scientific, 2021, pp. 399–403.

46. *Laxman Bokati, Olga Kosheleva, and Vladik Kreinovich, “How Can We Explain Different Number Systems?”, In: Martine Ceberio and Vladik Kreinovich (eds.), *How Uncertainty-Related Ideas Can Provide Theoretical Explanation for Empirical Dependencies*, Springer, Cham, Switzerland, 2021, pp. 21–26.
47. *Laxman Bokati, *Julio Urenda, Olga Kosheleva, and Vladik Kreinovich, “Why Immediate Repetition Is Good for Short-Term Learning Results but Bad For Long-Term Learning: Explanation Based on Decision Theory”, In: Martine Ceberio and Vladik Kreinovich (eds.), *How Uncertainty-Related Ideas Can Provide Theoretical Explanation for Empirical Dependencies*, Springer, Cham, Switzerland, 2021, pp. 27–35.
48. Olga Kosheleva and Vladik Kreinovich, “A ‘Fuzzy’ Like Button Can Decrease Echo Chamber Effect”, In: Martine Ceberio and Vladik Kreinovich (eds.), *How Uncertainty-Related Ideas Can Provide Theoretical Explanation for Empirical Dependencies*, Springer, Cham, Switzerland, 2021, pp. 57–61.
49. Olga Kosheleva and Vladik Kreinovich, “Intuitive Idea of Implication vs. Formal Definition: How to Define the Corresponding Degree”, In: Martine Ceberio and Vladik Kreinovich (eds.), *How Uncertainty-Related Ideas Can Provide Theoretical Explanation for Empirical Dependencies*, Springer, Cham, Switzerland, 2021, pp. 63–67.
50. Christian Servin, Olga Kosheleva, and Vladik Kreinovich, “A Recent Result about Random Metrics Explains Why All of Us Have Similar Learning Potential”, In: Martine Ceberio and Vladik Kreinovich (eds.), *How Uncertainty-Related Ideas Can Provide Theoretical Explanation for Empirical Dependencies*, Springer, Cham, Switzerland, 2021, pp. 129–132.
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MEMBERSHIP IN GRADUATE STUDENT COMMITTEES

- present Gina L. Villalva, Member of Ph.D. Dissertation Committee, University of Texas at El Paso, Teaching, Learning, and Culture Program
- present William C. Fanning, Member of Master's Thesis Committee, University of Texas at El Paso, Department of Mathematical Sciences, Master of Arts in Teaching Program
- present Tessie L. Freedle, Member of Master's Thesis Committee, University of Texas at El Paso, Department of Teacher Education
- 2019 Claudia Saldaña-Corral, Co-Chair of Ph.D. Dissertation Committee, University of Texas at El Paso, Teaching, Learning, and Culture Program
- 2019 Ashley Graboski-Bauer, Member of Ph.D. Dissertation Committee, University of Texas at El Paso, Teaching, Learning, and Culture Program
- 2018 Lucy Michal, Member of Ph.D. Dissertation Committee, University of Texas at El Paso, Teaching, Learning, and Culture Program
- 2017 Julian Viera, Chair of Ph.D. Dissertation Committee, University of Texas at El Paso, Teaching, Learning, and Culture Program
- 2017 Oscar Salcedo, Member of Ph.D. Dissertation Committee, University of Texas at El Paso, Teaching, Learning, and Culture Program; Oscar received 2019 UTEP Outstanding Dissertation Award
- 2017 Abdelghani Setra, Member of Ph.D. Dissertation Committee, University of Texas at El Paso, Teaching, Learning, and Culture Program
- 2017 Michael Strange, Member of Master's Thesis Committee, University of Texas at El Paso. Master of Arts in Education. Math, Science, & Technology Specialization
- 2015 Grace Babarinsa, Member of Ph.D. Dissertation Committee, University of Texas at El Paso, Teaching, Learning, and Culture Program
- 2015 Karla Huereca, Member of Ph.D. Dissertation Committee, University of Texas at El Paso, Teaching, Learning, and Culture Program

- 2015 Octavio Lerma, Member of Ph.D. Dissertation Committee, University of Texas at El Paso, Computational Science Program
- 2014 Maria D. Cruz Quiñones, Member of Ph.D. Dissertation Committee, University of Texas at El Paso, Department of Teacher Education
- 2014 Sheryl Maxsom, Member of Ph.D. Dissertation Committee, University of Texas at El Paso, Department of Teacher Education
- 2014 Carlos Paez, Member of Ph.D. Dissertation Committee, University of Texas at El Paso, Teaching, Learning, and Culture Program
- 2014 John Jeremy Sneed, Member of Master's Thesis Committee, University of Texas at El Paso, Master of Art in Teaching (MAT) with a Major in Mathematics, University of Texas at El Paso, Department of Mathematical Sciences
- 2014 Janet Briones, Member of Ph.D. Dissertation Committee, University of Texas at El Paso, Department of Electrical and Computer Engineering
- 2013 Raymond Falcon, Member of Ph.D. Dissertation Committee, University of Texas at El Paso, Teaching, Learning, and Culture Program
- 2012 Barbie Avila, Chair of Master's Thesis Committee, University of Texas at El Paso, Department of Teacher Education
- 2011 Meghana Aleti, Member of Master's Thesis Committee, University of Texas at El Paso, Department of Teacher Education
- 2010 Pilar Gonzalez, Chair of Master's Thesis Committee, University of Texas at El Paso, Department of Teacher Education
- 2010 Ivan Calzada, Member of Master's Thesis Committee, University of Texas at El Paso, Department of Electrical and Computer Engineering
- 2009 Elizabeth Bernadette, Member of Master's Thesis Committee, University of Texas at El Paso, Department of Teacher Education
- 2008 Jesus A. Enriquez, "Lossless compression of Bayer array images using mixed-lattice lifting transforms", Member of Master's Thesis Committee, University of Texas at El Paso, Department of Electrical and Computer Engineering

- 2007 Ioana Agut, Member of Master's Thesis Committee, Master of Art in Teaching (MAT) with a Major in Mathematics, University of Texas at El Paso, Department of Mathematical Sciences
- 2007 Surya B Upadhyayulla, Member of Master's Thesis Committee, University of Texas at El Paso, Department of Electrical and Computer Engineering
- 2004 Vikram Jayaram, "Detection from hyperspectral images compressed using rate distortion and optimization techniques under JPEG2000 part 2", Master's Thesis Committee, University of Texas at El Paso, Department of Electrical and Computer Engineering

GRANTS

1. Laura F. Serpa (PI), Olga M. Kosheleva (co-PI), Mourat A. Tchoshanov (Co-PI), "Improving teacher quality state grant", Texas Higher Education Coordinating Board (THECB) grant, 05/01/16-04/30/18, amount \$256,352.00.
2. Mourat Tchoshanov (PI), Olga Kosheleva (co-PI), Kien Lim (co-PI), and Laura Serpa (co-PI), "Middle School Mathematics & Science", Texas Higher Education Coordinating Board grant, 05/01/15-04/30/16, amount \$495,000.
3. Mourat Tchoshanov (PI), Kien Lin (co-PI), Laura Serpa (co-PI), and Olga Kosheleva (co-PI), "Feeder Pattern Mathematics and Science Integration", Texas Higher Education Coordinating Board grant, 02/01/14-04/30/15, amount \$250,000.
4. Laura F. Serpa (PI) and Olga Kosheleva (co-PI), "Integrating Math and Earth Science", Texas Higher Education Coordinating Board grant, 03/01/12-06/01/13, amount \$175,629.00.
5. Laura F. Serpa (PI) and Olga Kosheleva (co-PI), "Connecting Mathematics and Science", Texas Higher Education Coordinating Board grant, 05/01/12-10/30/13, amount \$105,000.00.
6. Eric A. Hagedorn (PI), Amy Wagler (co-PI), Laura F. Serpa (co-PI), Olga Kosheleva (co-PI), and Ronald Wagler (co-PI), "Robert Noyce

Scholarships for Teaching Miners,” National Science Foundation (NSF) grant, 09/01/10–08/31/15, amount \$1,181,576.

7. Josefina V. Tinajero (PI), Olga Kosheleva (Faculty Advisor), “STudents Always Reaching for the Top (START)”, Supplemental Grant, TG (Texas Guaranteed Student Loans Co.), 08/10–08/11, amount \$55,000.
8. Brian Giza (PI), Carolyn Awalt (co-PI), Olga Kosheleva (co-PI), and Michael Eastman (co-PI), “The UTEP Master Teacher Academies”, Texas Higher Education Coordinating Board grant, 07/09–08/11, amount \$692,046.
9. Judith Munter (PI), Olga Kosheleva (UTEP Faculty Mentor), “Project BEST: Bridges for Education Students to Succeed”, *Texas Higher Education Coordinating Board (THECB)* grant, 05/09–05/11, amount \$299,000.
10. Laura Serpa (PI and Project Director) and Olga Kosheleva (co-PI and Project Director), “Middle School Integrated Mathematics and Science”, Teacher Quality grant from the *Texas Higher Education Coordinating Board*, 05/09–05/11, amount \$200,000.
11. Eric Freudenthal (PI), Ann Gates (co-PI), and Olga Kosheleva (Team Member), “CCLI Phase 2: Increasing Attractiveness of Computing: The Design and Evaluation of Introductory Computing Coursework that Elicits Creativity”, *National Science Foundation* grant DUE-0717883, 09/07–08/10, amount \$346,364.
12. Olga Kosheleva (PI), “Enhancing Undergraduate Students Mathematics Education”, Summer Enrollment Funds, College of Education, UTEP, 06/09–08/09, amount \$5,000.00.
13. Olga Kosheleva (PI and Project Director), Mourat Tchoshanov (co-PI), “Strength in Math”, Teacher Quality grant No. 853 from the *Texas Higher Education Coordinating Board*, 5/08–05/09, amount \$87,000.
14. Olga Kosheleva (PI), “Enhancing mathematical and pedagogical content knowledge of future teachers”, *University Research Institute* grant from the University of Texas at El Paso, 12/06–08/07, amount \$3,000.

15. Olga Kosheleva (PI and Project Director), Larry Lesser (co-PI), “Project MEET: Mathematics Education Enhanced through Technology”, Teacher Quality grant No. 255 from the *Texas Higher Education Coordinating Board*, 12/06–07/07, amount \$84,730.
16. Jessica Melendez-Carrillo (Teacher Awardee) and Olga Kosheleva (Faculty Mentor), “Bringing Technology into the Classroom”, Action Research Award from the *El Paso Mathematics and Science Partnership (MSP)*, 10/06–05/07, amount \$4,000 (including \$1,000 for the faculty mentor).
17. Olga Kosheleva (PI) and Ana Rusch (co-PI), “Project TNE-MEET: A Study of the Impacts of Technology Resources on UTEP Pre-Service Teacher’s Mathematics Contents and Pedagogy Development”, part of the Teachers for the New Era grant from the Carnegie Corporation of New York, 06/05-05/06, amount \$10,000.
18. Judith H. Munter (PI), John Moya (co-PI), Olga Kosheleva (Research Team Member), Carolyn Awalt (Research Team Member), and Elsa Villa (Research Team Member), “Project *Extend*: A Study of the Impacts of Mobile Technology Resources on Engineering and Education Students at UTEP”, *Hewlett Packard*, 06/04–12/05, amount \$119,877.50.

CONFERENCE ORGANIZATION

- 2022 Annual Conference of the North American Fuzzy Information Processing Society NAFIPS’2022, Halifax, Nova Scotia, Canada, May 31 – June 3, 2022 (Program Committee)
- 2021 Annual Conference of the North American Fuzzy Information Processing Society NAFIPS’2021, West Lafayette, Indiana, June 7–9, 2021 (Program Committee)
- 2020 Special Interest Group on Pedagogical Content Knowledge in STEM at the VI International Forum on Teacher Education, Kazan, Russia, May 27–29, 2020 (co-Chair)
- 2015 International Conference on Soft Computing and Software Engineering SCSE’15, Berkeley, California, March 5–6, 2015 (Technical Program Committee)

- 2014 16th GAMM-IMACS International Symposium on Scientific Computing, Computer Arithmetic, and Validated Numerics, Wuerzburg, Germany, September 21–26, 2014 (Program Committee)
- 2010 29th International Conference of the North American Fuzzy Information Processing Society NAFIPS'10, Toronto, Canada, July 12–14, 2010 (Program Committee)
- 2009 World Congress of the International Fuzzy Systems Association IFSA'2009, Lisbon, Portugal, July 20–24, 2009 (Program Committee)
- 2009 Annual International Conference of the North American Fuzzy Information Processing Society NAFIPS'09, Cincinnati, Ohio, June 14–17, 2009 (Program Committee)
- 2006 First Thailand International Conference on 21st Century Information Technology in Mathematics Education, Chiang Mai, Thailand, September 17–20, 2006 (International Program Committee)

REFEREEING FOR PUBLISHERS

- 2008 CourseSmart

REFEREEING FOR JOURNALS

(in addition to journals where O. Kosheleva served on the Editorial Board)

- 2020–present Soft Computing
- 2016–present Mathematics Teaching in the Middle School
 - 2015 Mechanical Systems and Signal Processing
 - 2010 Economics and Philosophy

REFEREEING FOR CONFERENCES

(in addition to conferences where O. Kosheleva served on the program committee)

- 2016 IEEE International Conference on Fuzzy Systems FUZZ-IEEE'2016, Vancouver, Canada, July 25–29, 2016

- 2013 Joint World Congress of the International Fuzzy Systems Association and Annual Conference of the North American Fuzzy Information Processing Society IFSA/NAFIPS'2013, Edmonton, Canada, June 24–28, 2013
- 2013 IEEE International Conference on Fuzzy Systems FUZZ-IEEE'2013, Hyderabad, India, July 7–10, 2013
- 2007 Annual Meeting of the American Education Research Association AERA'2007, Chicago, Illinois, April 9–13, 2007
- 2006 Twenty Eighth Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education PME-NA'2006, Merida, Yucatan, Mexico, November 9–12, 2006

REFEREEING FOR GRANTING AGENCIES

2006–07 National Science Foundation

PUBLISHED REVIEWS

1. A review of *Functional Processing of Delta-Sigma Bit-Stream* by Djuro G. Zrilic. *Journal of Intelligent and Fuzzy Systems*, 2021, Vol. 40, No. 5, pp. 10329–10330; joint with Vladik Kreinovich.
2. A review of *Time of the Magicians: Wittgenstein, Benjamin, Cassirer, Heidegger, and The Decade that Reinvented Philosophy* by Wolfram Eilenberger. *Journal of Intelligent and Fuzzy Systems*, 2021, Vol. 40, No. 5, pp. 10325–10327; with Vladik Kreinovich.
3. A review of *A First Course in Fuzzy Logic (4th edition)* by Hung T. Nguyen, Carol L. Walker, and Elbert A. Walker. *Journal of Intelligent and Fuzzy Systems*, 2021, Vol. 40, No. 1, pp. 1715–1716; with Vladik Kreinovich.
4. A review of *The WEIRDest People in the World: How the West Became Psychologically Peculiar and Particularly Prosperous* by Joseph Henrich. *Journal of Intelligent and Fuzzy Systems*, 2021, Vol. 40, No. 1, pp. 1713–1714; with Vladik Kreinovich.

5. A review of *Rough Draft Math: Revising to Learn* by Amanda Jansen, *Journal of Intelligent and Fuzzy Systems*, 2021, Vol. 40, pp. 3813–3814; with Christian Servin and Vladik Kreinovich.
6. A review of “A study of possible-worlds semantics of relevance-sensitive belief revision” by Theofanis Aravanis, Pavlos Peppas, and Mary-Anne Williams, *Mathematical Reviews*, 2020, Review # MR4122506.
7. A review of “Depth-bounded belief functions. I” by Paolo Baldi and Hykel Hosni, *Mathematical Reviews*, 2020, Review # MR4105667.
8. A review of “Better paracoherent answer sets with less resources” by Giovanni Amendola, Carmine Dodaro, and Francesco Ricca, *Mathematical Reviews*, 2020, Review # MR4010535.
9. A review of “A multiparametric view on answer set programming”, by Johannes K. Fichte, Martine Kronegger, and Stefan Woltran, *Mathematical Reviews*, 2019, Review # MR3977567.
10. A review of *A Tale of Seven Scientists and a New Philosophy of Science* by E. Scerri, *Journal of Uncertain Systems*, 2018, Vol. 12, No. 3, p. 223; with Martine Ceberio and Vladik Kreinovich.
11. A review of “Snowball in a Blizzard: A Physician’s Notes on Uncertainty in Medicine” by S. Hatch, *Journal of Uncertain Systems*, 2018, Vol. 12, No. 3, p. 221; with Martine Ceberio and Vladik Kreinovich.
12. A review of “Factorizations of algebraic integers, block monoids, and additive number theory” by P. Baginski and S. T. Chapman, “Irreducible factorization lengths and the elasticity problem within N ” by M. O. Jenssen, D. Montealegre, and V. Ponomarenko, and “Non-unique factorization in a class of non-commutative monoids” by E. D. Schwab and G. Schwab, *Journal of Uncertain Systems*, 2018, Vol. 12, No. 3, pp. 220–221; with Martine Ceberio and Vladik Kreinovich.
13. A review of “Drive: The Surprising Truth about What Motivates Us” by D. H. Pink, *Journal of Uncertain Systems*, 2018, Vol. 12, No. 3, p. 222; with Martine Ceberio and Vladik Kreinovich.

14. A review of “Constructivism: Theory, Perspectives And Practice” by C. T. Fosnot (ed.), *Journal of Uncertain Systems*, 2018, Vol. 12, No. 3, pp. 221–222; with Martine Ceberio and Vladik Kreinovich.
15. A review of “Life’s Greatest Lessons: 20 Things That Matter” by H. Urban, *Journal of Uncertain Systems*, 2018, Vol. 12, No. 3, p. 223; with Martine Ceberio and Vladik Kreinovich.
16. A review of “The Strategy Paradox: Why Committing to Success Leads to Failure (and What to Do about It)” by M. E. Raynor, *Journal of Uncertain Systems*, 2018, Vol. 12, No. 3, pp. 222–223; with Martine Ceberio and Vladik Kreinovich.
17. A review of “The Melanoma Handbook” by S. P. Ariyan and H. Kluger (eds.) and “Melanoma” by J. S. Zager, V. K. Sondak, and R. Kudchadkar (eds.), *Journal of Uncertain Systems*, 2018, Vol. 12, No. 3, p. 220; with Martine Ceberio and Vladik Kreinovich.
18. A review of “Unifying F-logic molecules: a rectification to the original unification algorithm” by Zeki Bayram and Omid Sharifi, *Mathematical Reviews*, 2017, Review # MR3516072.
19. A review of “Rational evaluation in belief revision” by Yongfeng Yuan and Shier Ju, *Mathematical Reviews*, 2016, Review # MR3400608.
20. A review of “Metaheuristic applications on discrete facility location problems: a survey” by Sumanta Basu, Megha Sharma, and Partha Sarathi Ghosh, *Mathematical Reviews*, 2015, Review # MR3394743.
21. A review of “Restricted default theories: expressive power and outlier detection tasks” by Fabrizio Angiulli, Rachel Ben-Eliyahu-Zohary, and Luigi Palopoli, *Mathematical Reviews*, 2015, Review # MR3290995.
22. A review of “Logic and artificial intelligence” by Richmond H. Thomason, *Mathematical Reviews*, 2012, Review # MR2895620, 2012k:03083.
23. A review of “A unifying action calculus” by Michael Thielscher, *Mathematical Reviews*, 2011, Review # MR2752347.
24. A review of “A logic-based, reactive calculus of events” by Federico Chesani, Paola Mello, Marco Montali, and Polo Torroni, *Mathematical Reviews*, 2011, Review # MR2797267.

25. A review of “A description logic based situation calculus” by Yilan Gu and Mikhail Soutchanski, *Mathematical Reviews*, 2011, Review # MR2734048.
26. A review of “Updating action domain descriptions” by Thomas Eiter, Esra Erdem, Michael Fink, and Ján Senko, *Mathematical Reviews*, 2011, Review # MR2732138.
27. A review of “Roadmap for preferential logics” by Dov M. Gabbay and Karl Schlechta, *Mathematical Reviews*, No. 2010i, 2010, review #03034, MR2503228.
28. A review of “Developing bounded reasoning” by Michal Walicki, Marc Bezem, and Wojtek Szajnkienig, *Mathematical Reviews*, No. 2009m, December 2009, review # 68240.
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