RESEARCH

I. PUBLICATIONS

1. <u>On uniformly continuous surjections between function spaces (with A. Emre Eysen), submitted.</u>

2. <u>Homogeneous locally compact spaces, submitted</u>.

3. <u>Homogeneous spaces not separated by arcs (with A. Karassev), preprint.</u>

4. <u>Local structure of homogeneous ANR-spaces submitted.</u>

5. <u>Strongly locally homogeneous generalized continua of finite cohomological dimension, Topology and its Appl. 348 (2024) 108888 (with A. Karassev, P. Krurski and V. Todorov).</u>

6. <u>Separation of homogeneous connected locally compact spaces, Proc. Amer. Math. Soc. Series B 11 (2024), 36-46.</u>

7. <u>Proper absolute extensors, Topology Proc. 63 (2024), 107-115. MR4634395</u>

8. <u>Extending homeomorphisms on Cantor cubes, Topology and its Appl. 340 (2023), paper No. 108718. (with E. Shchepin). MR</u>

9. <u>On homogeneity of N_T, Topology and its Appl. 329 (2023), paper No. 108380 (with A. Karassev and E. Shchepin). MR4566918</u>

10. <u>On homogeneity of Cantor cubes, Canadian Math. Bull. 64 (4), 1084-1090. (with E. Shchepin). MR</u>

11. <u>Homological characterizations of Q-manifolds and l_2-manifolds, Fund. Math. 259 (2022), 255 - 269 (with A. Karassev). MR4502094.</u>

12. <u>On Q-manifolds bundles, Topology and its Appl. 311 (2022), 107967 (with J. West) MR4403133</u>

13. On quasi k-metrizable spaces, Topology and its Appl. 281 (2020), 107199. MR4174599

14. Homogeneous metric ANR-compacta, Serdica Math. J. 46 (2020), 1-18. MR4124057

15. Spectral representations of topological groups and near-openly generated groups, Mat. Sbornik 211:2 (2020), 106-124 (with K. Kozlov). MR4070046

16. Actions of semitopological groups, Canad. Math. Bull. 62 (2019), no. 2, 441-450 (with Jan van Mill). MR3952531

17. On homologically locally connected spaces, Topology Appl. 260 (2019), 57–69 (with A. Koyama). MR3934912

18. Homogeneous continua that are not separated by arcs, Acta Math. Hungar. 157 (2019),364–370 (with Jan van Mill). MR3928779

19. Ranks and the approximate n-th root property of C∗-algebras, Topological algebras and their applications, 275–293, De Gruyter Proc. Math., De Gruyter, Berlin, 2018. MR3793879

20. Linear extension operators of bounded norms, J. Math. Anal. Appl. 446 (2018), 952–960 (with D. Shakhmatov and T. Yamauchi). MR3818154

21. I-favorable spaces: Revisited, Topology Proc. 51 (2018), 277–292. MR3978641

22. Homological dimension and dimensional full-valuedness, Serdica Math. J. 44 (2018), 93–102. MR3889572

23. Local homological properties and cyclicity of homogeneous ANR compacta, Proc. Amer. Math. Soc. 146 (2018), 2697–2705. MR3778169

24. Homological dimension and homogeneous ANR spaces, Topology and its Appl. 221 (2017), 38–50. MR3624443

25. Parametric set-wise injective maps, Topology and its Appl. 231 (2017), 337–344 (with E. Matsuhashi). MR3712979

26. Homological selections and fixed-point theorems, Journal of Fixed Point Theory and Applications 19 (2017), 1561–1570. MR3659023

27. Game theoretic approach to skeletally Dugundji and Dugundji spaces (with A. Kucharskiand Sz. Plewik), Topology and its Appl. 201 (2016), 206–216. MR3461165

28. Local cohomological properties of homogeneous ANR compacta, Fund. Math. 233 (2016), 257–270. MR3480120

29. Locally n-connected compacta and UV_n-maps, Anal. Geom. Metr. Spaces 3 (2015), 93–110. MR3343668

30. Skeletally generated spaces and absolutes, Top. Proc. 45 (2015), 63–71. MR3173794

31. On separating sub-additive maps, Turkish J. Math. 39 (2015), 168–173. MR3311682

32. Alexandroff type manifolds and homology manifolds, Houston Math J. 40 (2014), 1325–1346(with V. Todorov). MR3298753

33. Homogeneous ANR and Alexandroff manifolds, Topology and its Appl. 173 (2014), 227–233. MR3227218

34. A selection theorem for set-valued maps into normally supercompact spaces, Bull. Acad. Stiinte Rep. Moldova 2(72)-3(73 (2013), 99–105. MR3241479

35. On generalized Alexandroff manifolds and homogeneous continua, (with A. Karassev and V. Todorov), Can. Math. Bull. 57(2) (2014), 335–343. MR3194180

36. Averaging operators and set-valued maps, Mathematica Balkanica, 27(3-4) (2013), 135–149.

37. Skeletally Dugundji space, Central Europ. J. Math. 11 (2013), 1949–1959. (with A. Kucharski and Sz. Plewik). MR3092790

38. Functional extenders and set-valued retractions, J. Math. Anal. Appl. 399 (2013), 306–314(with R. Alkins). MR2993856

39. On a theorem of Arvanitakis, Mathematica 59 (2013), 250–256. MR3028182

40. Generalized Cantor manifolds and indecomposable continua, Question and Answers in Gen. Topol. 30 (2012), 93–102 (with V. Todorov). MR3014523

41. Embeddings of finite-dimensional compacta in Euclidean spaces, Topology and its Appl., 159 (2012), 1670–1677. (with S. Bogataya and S. Bogatyi). MR2904053

42. Special embeddings of finite-dimensional compacta in Euclidean spaces, Topology and its Appl. 159 (2012), 2269–2273 (with S. Bogatyi). MR2921816

43. Generalized Cantor manifolds and homogeneity, Houston J. Math. 38:2 (2012), 583–609 (with A. Karassev, P. Krupski and V. Todorov). MR2954653

44. Another approach to parametric Bing and Krasinkiewicz maps, Math. Balkanica 25:4 (2011), 419–423. MR2961642

45. Mazurkiewicz manifolds and homogeneity, Rocky Mount. J. Math. 41:6 (2011), 1933–1938 (with P. Krupski). MR2854744

46. Maps with dimensionally restricted fibers, Coll. Math. 123:2 (2011), 239–248. MR2811176

47. Very I-favorable spaces, Topology and its Appl. 158 (2011), 1453–1459 (with A. Kucharskiand Sz. Plewik). MR2812495

48. External characterization of I-favorable spaces, Mathematica Balkanica 25:1-2 (2011), 61–78. MR2848574

49. Extenders and κ-metrizable compacta, Math. Notes 89:3 (2011), 331–341. MR2856714

50. Parametric Bing and Krasinkiewicz maps: revisited, Proceedings Amer. Math. Soc. 139:2 (2011), 747–756. MR2736353

51. Krasinkiewicz spaces and parametric Krasinkiewicz maps, Houston J. Math. 36:4 (2010), 1207–1220 (with E. Matsuhashi). MR2753741

52. Linear operators with compact supports, probability measures and Milyutin maps, J. Math. Anal. Appl., 370:1 (2010), 132–145. MR2651135

53. Approximation by light maps and parametric Lelek maps, Topology and its Appl. 157 (2010), 2325–2341 (with T. Banakh). MR2674029

54. Spaces having fibred approximation property in dimension n, Central Europ. J. Math. 8:3 (2010), 411–420 (with T. Banakh). MR2653650

55. Finite-to-one maps into Euclidean manifolds and spaces with disjoint disks properties, Topol. and its Appl. 157:4 (2010), 779–788 (with A. Karassev and M. Tuncali). MR2585411

56. Open maps having the Bula property, Fund. Math. 205:2 (2009), 91–104 (with V. Gutev). MR2545446

57. Sections, selections and Prohorov's theorem, J. Math. Anal. Appl. 360:2 (2009), 377–379 (with V. Gutev). MR2561236

58. A non-separable Christensen's theorem and set tri-quotient maps, Topology and its Appl. 156:7 (2009), 1234–1240 (with J. Pelant and S. Nedev). MR2501999

59. Probability measures and Milyutin maps, J. Math. Anal. Appl. 350:2 (2009), 723–730. MR22474807

60. Parametric Bing and Krasinkiewicz maps, Topology and its Appl. 155:8 (2008), 916–922. MR2406399

61. Dimension-raising theorems for cohomological and extension dimension, Topology and its Appl. 155:17-18 (2008), 2090–2101 (with G. Skordev). MR2457994

62. Dimension of maps, universal spaces, and homotopy, J. Math. Sci. 155:4 (2008),573–625 (with A. Karassev). MR2731967

63. Topology in North Bay: some problems in continuum theory, dimension theory and selections, in: Open Problems in Topology II (E. Pearl ed.), Elseivier 2007, 703–716 (with A. Karassev and M. Tuncali).

64. Extension dimension and quasi-finite CW-complexes, Topology and its Appl. 153:17 (2006), 3241–3254 (with A. Karassev). MR2260582

65. On intersection of simply connected sets in the plane, Glasnik Matematicki. Ser. III 41:1 (2006), 159–163 (with E. Tymchatyn). MR2242399

66. Universal absolute extensors in extension theory, Proc. Amer. Math. Soc. 134:8 (2006), 2473–2478 (with A. Karassev). MR2213722

67. Extraordinary dimension of maps, Topology and its Appl. 153:10 (2006), 1586–1592 (with A. Chigogidze). MR2216122

68. Roberts' type theorems on dimension and conversion of the transversal Tverberg's theorem, Sb. Math. 155:11-12 (2005), 1585–1603 (with S. Bogatyi). MR2216009

69. On regularly branched maps, Topology and its Appl. 150:1-3 (2005), 213-221 (with M. Tuncali). MR2133680

70. On C^*-algebras with the approximate n-th root property, Bull. Austral. Math. Soc. 72:2(2005), 197–212 (with A. Chigogidze, A. Karassev and K. Kawamura). MR2183403

71. Extensional dimension and completion of maps, Topology Proc. 29:1 (2005), 377–384 (with M. Tuncali and E. Tymchatyn). MR2182942

72. On finite-to-one maps, Canadian J. Math. 48:4 (2005), 614–621 (with M. Tuncali). MR2176159

73. Bounded rank of C_*-algebras, Topology and its App. 140 (2004), 163-180 (with A. Chigogidze). MR2074914

74. On finite-dimensional maps, Tsukuba J. Math. 28 (2004), 155-167 (with M. Tuncali). MR2082227

75. Dense families of selections and finite-dimensional spaces, Set-Valued Analysis 11 (2003),373-391 (with V. Gutev). MR2010098

76. On finite-dimensional maps II, Topology and its App. 132 (2003), 81-87 (with M. Tuncali). MR1990081

77. On Q, Q_M and $Q^{\#}_M$-algebras, Annals Soc. Mathematicae Polonae, Series 1: Commentationes Math. 42 (2002), 137-143 (with H. Arizmendi and A. Carrilo-Hoyo). MR1949632

78. C^*-algebras of infinite real rank, Bull. Australian Math. Soc. 66 (2002), 487-496 (with A. Chigogidze). MR1939209

79. On dimensionally restricted maps, Fund. Math. 175:1 (2002), 35-52 (with M. Tuncali). MR1971237

80. Continuous selections and finite C-spaces, Set-Valued Analysis 10:1 (2002), 37-51. MR1888455

81. The extension dimension and C-spaces, Bull. London Math. Soc. 34 (2002), 708-716 (with A. Chigogidze). MR1924198

82. Continuous selections and C-spaces, Proc. Amer. Math. Soc. 130:1 (2002), 233-242 (with V. Gutev). MR1855641

83. Extension dimension and refinable maps, Acta Math. Hungarica 92:3 (2001), 185-194 (with A. Chigogidze). MR1924237

84. Universal metric spaces and extension dimension. Topology and its Appl. 113:1-3 (2001), 22-27 (with A. Chigogidze). MR1821843

85. Generalized tri-quotient maps and Cech-completeness, Comment. Math. Univ. Carolinae 42:1 (2001), 187-194 (with T. Dube). MR1825382

86. Barreled and bornological function spaces, J. Math. Analysis and Appl. 242:1 (2000), 1-17 (with J. Dontchev and S. Salbany). MR1738486

87. Lindel¨of degrees and function spaces, in: Papers in Honour of Bernhard Banaschewski (Cape Town 1996), 475-483, Kluwer Acad. Publ., Dordrecht, 2000 (with D. Vuma). MR1799770

88. Some characterizations of Q-algebras, Annals Soc. Mathematicae Polonae, Series 1: Commentationes Math. 39 (1999), 11-21 (with H. Arizmendi). MR1739013

89. Spaces of bounded functions, Houston J. Math. 25:3 (1999), 501-521. MR1730884

90. Function spaces and Diedonn´e completeness, Quaestiones Mathematicae 21 (1998), 303-309 (with D. Vuma). MR1701773

91. Function spaces, Topology and its Appl. 81 (1977), 1-22. MR1477130

92. Spaces of bounded functions with the compact open topology, Bull. Acad. Polish Sci. 45:2, (1997), 171-179. MR1466842

93. A characterization of Dugundji spaces via set-valued maps, Topology and its Appl. 74:1-3 (1996), 109-121 (with D. Shakhmatov). MR1425931

94. Classical-type characterizations of non-metrizable ANE(n)-spaces, Fund. Math. 145 (1994), 243-259 (with V. Gutev). MR1297407

95. Set-valued maps and AE(0)-spaces, Topology and its Appl. 55:1 (1994), 1-15 (with A. Chigogidze). MR1255293

96. Linear topological classifications of certain function spaces II, Mathematica Pannonica 4:1 (1993), 137 - 144. MR1226179

97. Cantor set selectors, Topology and its Appl. 44:1-3 (1992), 163 - 166 (with V. Gutev, S. Nedev and J. Pelant). MR1173253

98. Surjective characterizations of metrizable LC$_\infty$-spaces, Annuaire de L' Universite de Sofia "St. Kliment Ohridski", livre 1 - Mathematics, 85 (1991), 43 - 47. MR1294260

99. Linear topological classifications of certain function spaces, Trans. Amer. Math. Soc. 327:2 (1991), 583 - 600. MR1079059

100. Universal maps and surjective characterizations of completely metrizable LC$_n$-spaces, Proc. Amer. Math. Soc. 109:4 (1990), 1125 − 1133 (with A. Chigogidze). MR1009987

101. The weight of compact retracts, Vestnik Moskov. Univ., Ser. Mat. 4 (1988), 96-97 (with S. Bogatyi) (in Russian). MR0972731

102. Selection theorems for AE(n)-spaces, Comp. rend. Acad. Bulg. Sci. 41:5 (1988), 11-12 (with V. Gutev). MR0952201

103. Yet another characterization of AE(0)-spaces, Proc. of the Seventeenth Spring Conference of the Union of Bulgarian Mathematicians. Sunny Beach, April 6-9 (1988), 147-150.

104. Set-valued maps and AE(0)-spaces, Comp. rend. Acad. Bulg. Sci. 41:4 (1988), 13-14 (with A. Chigogidze). MR0948061

105. Universal maps and surjective characterizations of completely metrizable LC$_n$-spaces,Comp. rend. Acad. Bulg. Sci. 41:5 (1988), 9-10 (with A. Chigogidze). MR0952200

106. Another characterization of AE(0)-spaces, Pacif. J. Math. 127:1 (1987), 199–208. MR0876026

107. Milyutin mappings and AE(0)-spaces, Comp. rend. Acad. Bulg. Sci. 40:11, (1987), 9-12. MR0926537

108. Some properties of C$_p$(X), Commentationes Math. Univ. Carolinae 27:4 (1986), 665-672. MR0874659

109. Some characterizations of the spaces with a lattice of d-open mappings, Comp. rend. Acad. Bulg. Sci. 39:9 (1986), 9-12. MR0875932

110. A note on spaces with lattices of d-open mappings, Comp. rend. Acad. Bulg. Sci. 39:8 (1986), 9-12. MR0868702

111. Some properties of selectors, Comp. rend. Acad. Bulg. Sci. 38:12 (1985), 1593-1596 (with S. Nedev). MR0837259

112. Normal selectors for the normal spaces, Comp. rend. Acad. Bulg. Sci. 37:7 (1984), 843-846 (with S. Nedev). MR0770978

113. On the spaces which have a τ-lattice of open mappings, Serdica 10 (1984), 159-165. MR0768692

114. On metrizability of selectors, Comp. rend. Acad. Bulg. Sci. 36:11 (1983) 1363-1366 (with S. Nedev). MR0737606

115. The weight of compacta with lattices of open mappings, Pliska 6 (1983), 63–74 (in Russian). MR0745611

116. Free groups of topological spaces, Comp. rend. Acad. Bulg. Sci. 34:8 (1981), 1049-1053 (with B. Pasynkov) (in Russian). MR0639638

117. Factorization theorems, Proceedings of the Ninth Spring Conference of the Union of Bulg. Mathematicians. Sunny Beach, April 3-6 (1980), 21-24 (in Bulgarian).

118. The power of bicompacta with lattices of open maps, Comp. rend. Acad. Bulg. Sci. 32:8 (1979), 1005-1006 (in Russian). MR0557249

119. A certain theorem of Michael on sections, Comp. rend. Acad. Bulg. Sci. 28:7 (1975), 871-873 (with M. Choban) (in Russian). MR0385802

120. Book: General position properties in Fiberwise Geometric Topology, Dissertation Math. 491, Warszawa 2013, 120 p. (with T. Banakh) MR3112785.

II. RESEARCH TALKS AND VISITS

(Note: The Invited talks and visits are marked by an Asterix.)

Mathematics days in Sofia, July 10-14, 2023, Sofia, Bulgaria.

Talk: Homogeneous ANR-spaces*.

Mathematics days in Sofia, July 10-14, 2023, Sofia, Bulgaria.

Talk: Separation of homogeneous continua.

International Conference on Topology and its Applications, July 3-10, 2023, Nafpactos, Greece.

Talk: Local structure of homogeneous ANR-spaces.

36 Summer Topology Conference, July 18-22, 2022, University of Vienna, Austria.

Talk: Extending homeomorphisms on Cantor cubes II, jointly with E. Shchepin.

2022 Canadian Mathematical Society Summer Meeting, June 3-6, 2022, Memorial University, St. John's, Newfoundland.

Talk: On homogeneity of Cantor cubes*, jointly with E. Shchepin.

International Conference on Topology and its Applications dedicated to the 100th anniversary of the birthday of Yu. M. Smirnov, September 20-21, 2021, Moscow, Russia.

Talk: Extending homeomorphisms on Cantor cubes*, jointly with E. Shchepin.

15-th International Workshop on Well-Posedness of Optimization Problems and Related Topics, June 28 - July 2, 2021, Borovets, Bulgaria.

Talk: Homological characterization of Q-manifolds and l_2-manifolds*.

Conference on Geometric Topology and Related Topics dedicated to the 65th birthday of S. Antonyan, December 9-12, 2019, Mazatlan, Sinaloa, Mexico.

Talk: Homological selections and fixed points*.

45th International Conference on Applications of Mathematics in Engineering and Economics, June 7-13, 2019, Sozopol, Bulgaria.

Talk: Homogeneous finite-dimensional metric compacta*.

International Conference on Topological Algebra and Set-Theoretic Topology dedicated to Professor A. V. Arhangel'skii's 80th birthday, August 23-28, 2018, Moscow, Russian Federation.
Talk: Spectral representation of topological groups and near-openly generated groups*.

International Conference on Topology and its Applications, July 7-11, 2018, Nafpactos, Greece.
Talk: Homogeneous ANR compacta*.

Mathematical Congress of the Americas, July 24-28, 2017, Montreal.
Talk: Homogeneous finite-dimensional metric compacta*.

Mathematics days in Sofia, July 10-14, 2017, Sofia.
Talk Spectral representations of topological groups*.

Moscow State University: June 8-22, 2016.
Talk: Homological selections and fixed point theorems*.

Conference on Topology and its Applications in memory of St. Nedev (1942- 2015), Sofia, June 6-8, 2016.
Talk: Homogeneous metric ANR compacta*.

Matsuyama University, Matsuyama, Japan, April 27 - May 2, 2016.
Talk: Homological selections and fixed point theorems*.

Matsue University, Matsue, Japan, April 6-27, 2016.
Talk: Homogeneous metric ANR compacta*.

Waseda University, Tokyo, Japan, April 3-6, 2016.
Talk: Homological properties of homogeneous ANR compacta*.

College of Staten Island/ City University of New York, May 13, 2015.
Talk: Alex Chigogidze and his mathematical legacy* (jointly with A. Dranishnikov)

Mathematical conference Maths Days in Sofia, Sofia, Bulgaria, July 7-10, 2014.
Talk: Local properties of homogeneous ANR compacta*.

International Conference on Topological Algebras and their Applications, Dominican Republic, May 26-30, 2014.
Talk: Separating sub-additive maps*.

4th Waseda Geometric Topology Workshop, September 9-10, 2013, Tokyo.
Talk: Homogeneous compacta and manifolds*.

International Conference on Topology and Geometry 2013, joint with the Sixth Japan-Mexico Topology Symposium, Matsue, Japan, September 2-6.
Talk: Generalized Cantor manifolds.

Topological Methods in Analysis and Optimization (dedicated to the 70-th birthday of Prof. Petar Kenderov), June 10-13, 2013, Sofia, Bulgaria.
Talk: Homogeneous compacta and generalized manifolds*.

International Conference on Topological Algebras and Applications (dedicated to the 70th birthday of Professor Mati Abel), May 30- June 2, 2013, Tartu, Estonia.
Talk: Functional extenders*.

Research Conference of the Israel Science Foundation "Interaction between Logic, Topological structures and Banach spaces theory", Eilat, May 19-24, 2013, Israel.
Talk: Alexandroff manifolds and homogeneous compacta*.

Third International Conference on Topology and its Applications, 2-7 September, 2012, Skopje, Republic of Macedonia.
Talk: Homogeneous ANR and Alexandroff manifolds*.

International Conference on Applied and Industrial Mathematics dedicated to Mitrofan Choban, August 22-25, 2012, Tiraspol State University, Republic of Moldova.
Talk: Homogeneous compacta*.

International conference "Alendroff Readings", Moscow State University, May 21-25, 2012, Moscow, Russia.
Talk: Cantor manifolds and homogeneity*.

International conference in honor of E. Schepin on the occasion of his 60th birthday, October 15-16, 2011, Oaxaca, Mexico. Talk: Selections and extenders*.

International Conference Japan-Mexico on Topology and its Applications, September 27– October 1, 2010, Colima, Mexico. Talk: Bing and Krasinkiewicz maps.

Conference "Analysis, Topology and Applications 2010", Vrnjacka Banja, Serbia, June 20-25. Talk: Kappa-metrizable compacta and I-favorable spaces.

2010 International Conference on Topology and its Applications, June 26-30, 2010, Nafpaktos, Greece. Talk: Parametric Bing and Krasinkiewicz maps:revisited.

Algebra meets Topology: Advances and Applications, Conference in honour of Dikran Dikranjan on his 60th birthday, July 19-23, 2010, Barcelona, Spain.
Talk: Linear operators with compact supports, probability measures and Milyutin maps*.

Research visit to University of Kwazulu-Natal, Durban, South Africa, August 26- September 6, 2009.
Talks: Parametric Bing and Krasinkiewicz maps and Linear operators with compact supports and probability measures*.

Research visit* at the Faculty of Mathematics and Informatics, University of Sofia, Bulgaria, June 20 - July 20, 2009.

International Topological Conference, Lviv, Ukraine, May 26 -June 7, 2008. Talk: Selections and parametrizations*.

Advances in Set-Theoretic Topology, Erice, Italy, June 9-19, 2008. Talk: Generalized Cantor manifolds and homogeneity.

Research visit* at the Center of Complex Systems and Visualization, University of Bremen, Bremen, Germany, May 25- June 5, 2007.

Jubilee International Conference 60 years Institute of Mathematics and Informatics, Bulgarian Academy of Sciences, July 6-8, 2007, Sofia, Bulgaria.
Talk: Generalized Cantor manifolds and homogeneity*.

University of Kwazulu-Natal, Durban, South Africa, October 12, 2006. Talk: Parametric Bing maps*.

University of Kwazulu-Natal, Pietermaritzburg, South Africa, October 13, 2006.
Talk: Dimension raising theorems for cohomological and extension dimensions*.

Center of Complex Systems and Visualization, University of Bremen, Bremen, Germany, June 3- 22, 2006. Talk: Dimension theory: historical overview and some important results*.

Conference dedicated to the 50th birthday of M. Ganster, June 17-19, 2006, Technical University of Graz, Graz, Austria.
Talk: Parametric general position properties and embeddings of n-dimensional maps into trivial bundles*.

2006 International Conference on Topology and its Applications, June 23-26, Aegion, Greece. Talk: Dimension-raising maps theorems.

International Conference "Pioneers of Bulgarian Mathematics", University of Sofia, July 8-10, 2006, Sofia, Bulgaria. Talk: Parametric General position Properties*.

40th Spring Topology and Dynamical Systems Conference, March 23-25, 2006, University of North Carolina at Greensboro, Greensboro, USA.
Talk: On the Hurewicz dimension-raising maps theorems.

Faculty of Mathematics and Informatics, Sofia University, July 2005, Sofia, Bulgaria.
Talk: Ranks and approximate properties of C* -algebras*.

International Conference and Workshops on Geometric Topology honoring Karol Borsuk life and work on the 100th anniversary of his birth, 3-10 July, 2005, Bedlewo, Poland.
Talk: On finite-dimensional maps.

5th International Conference on Topological Algebras and Applications, June 27- July 1, 2005, Athens, Greece. Talk: C* -algebras with approximate n-th root property*.

Regional South African Mathematical Society Conference "Topology and Analysis in Applications", 12-16 July, 2004, Durban, South Africa. Talk: Quasi-finite CW-complexes*.

CMS/CAIMS Joint Summer Meeting, Dalhousie University, Halifax, Nova Scotia, June 13 - 15, 2004. Talk: Extension dimension of maps between metrizable spaces*.

Annual National Congress of the Sociedad Mathematica Mexicana, Universidad Autonoma del Estado de Hi-dalgo, Pachuca, Mexico, October 12 - 17, 2003. Talk: Topological ranks of C* -algebras*.

Spring Topology and Dynamical Systems Conference, Texas Tech University, Lubbock, Texas, March 20 - 22, 2003. Talk: Mapping theorems for covering and extensional dimension*.

2002 AMS Spring Eastern Section Meeting, Montreal, Quebec, Canada, May 3-5, 2002. Talk: Selection theorems and dimension*.

Topology Seminar, Department of Mathematics, York University, Toronto, January 16-18, 2002.
Talk: Continuous Selections*.

Geometric Topology Session, CMS Summer Meeting, June 2-4, 2001, University of Saskatchewan. Selections and finite-dimensional spaces*.

Institute of Mathematics, Bulgarian Academy of Sciences, August 31, 2001.
Continuous selections and applications*.

III. RESEARCH AWARDS

2019 – 2024	National Science and Engineering Research Council (NSERC) five-year discovery grant (CD 15,000 per year).
2013 - 2018	National Science and Engineering Research Council (NSERC) five-year discovery grant (CD 11,000 per year).
2010	Chancellor's Award for Excellence in Research

2008 − 2013	National Science and Engineering Research Council (NSERC) five-year discovery grant (CD 12,000 per year).
2004 − 2007	Nipissing University Research Achievement Award (three years internal research grant, CD 5000).
2003 − 2008	National Science and Engineering Research Council (NSERC) five-year discovery grant (CD 8500 per year).
1997 − 2000	Third World Academy of Sciences (TWAS) Grant for travel and research. My visit to the Mathematical Institute of the National Autonomous University of Mexico during the period June - July 1998 was supported by TWAS.
1990	British Council research support to visit Oxford University during the period November 1990.
1979	Award for young researchers - Faculty of Mathematics and Informatics, Sofia University.