

CURRICULUM VITAE

1 Personal data

1. Surname: Raigorodskii.
2. First name: Andrei.
3. Patronymic: Mikhailovich.
4. Date of birth: 18 June 1976.
5. Place of birth: Moscow, Russia.
6. Citizenship: Russia.
7. Family status: married.
8. Foreign languages: English, French.

2 Addresses

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7. E-mail: mraigor@yandex.ru, raigorodsky@yandex-team.ru.

3 All academic degrees obtained

1. 1993 — School 1275, Moscow, Russia: Certificate of school education (average grade: five of five; I was awarded a gold medal).
2. 1998 — Lomonosov Moscow State University, Mechanics and Mathematics Faculty: Diploma in mathematics and applied mathematics cum laude.
3. 2001 — Lomonosov Moscow State University, Mechanics and Mathematics Faculty, Department of Number Theory: The defense of Ph. D. thesis (“Combinatorial and geometric properties of point sets”) ahead of schedule and cum laude.
4. 2004 — Lomonosov Moscow State University, Mechanics and Mathematics Faculty, Department of Mathematical Statistics and Random Processes: The defense of the Doctor of Sciences thesis (“The problems of Borsuk, Nelson–Erdős–Hadwiger, and Grünbaum in combinatorial geometry”).
5. 2021 — Honorary Doctor of Adyghe State University.

4 All stages of university education

1. 1993 – 1998 — Education in Lomonosov Moscow State University, Mechanics and Mathematics Faculty, Department of Number Theory, advisor — professor Nikolai G. Moshchevitin.
2. 1998 – 2001 — Education in the post-graduate school of Lomonosov Moscow State University, Mechanics and Mathematics Faculty, Department of Number Theory, advisor — professor Nikolai G. Moshchevitin.

5 Complete professional background

1. 2001 / January – 2001 / March — Visiting Researcher position in University College London, Department of Mathematics, London, UK.
2. 2001 / May – 2004 / December — Assistant Professor position in Lomonosov Moscow State University, Mechanics and Mathematics Faculty, Department of Mathematical Statistics and Random Processes, Moscow, Russia.
3. 2001 / November — A series of eight invited lectures in University College London (Department of Mathematics), in London School of Economics (Department of Mathematics), and in Cambridge (Department of Pure Mathematics and Mathematical Statistics).
4. 2003 / November — A series of invited lectures in CIMAT (Guanajuato, Mexico).

5. 2003 / February – at present — Invited Lecturer position in Lomonosov Moscow State University, Bio-engineering Faculty, Moscow, Russia.
6. 2004 / November — A series of invited lectures in CIMAT (Guanajuato, Mexico).
7. 2005 / January – 2010 / December — Associate Professor position in Lomonosov Moscow State University, Mechanics and Mathematics Faculty, Department of Mathematical Statistics and Random Processes, Moscow, Russia.
8. 2005 / October — Visiting Researcher position in University College London, Department of Mathematics, London, UK.
9. 2006 / September — 2015 / May — Teacher at High School 179 in Moscow.
10. 2007 / September – at present — Full Professor position in Yandex High School of Data Analysis, Moscow, Russia.
11. 2008 / September – 2015 / June — Full Professor and scientific advisor of the bachelor school of the Data Analysis Department in Moscow Institute of Physics and Technology, Faculty of Innovations and High Technology, Moscow and Dolgoprudny, Russia.
12. 2015 / July – at present — Full Professor at the bachelor school of the Data Analysis Department in Moscow Institute of Physics and Technology, Faculty of Innovations and High Technology, Moscow and Dolgoprudny, Russia.
13. 2008 / July – 2017 / June — Head of a Research division in Yandex internet company, Moscow, Russia.
14. 2017 / July – at present — Chief coordinator of research and educational projects between Moscow Institute of Physics and Technology and Yandex internet company, Moscow, Russia.
15. 2011 / January – at present — Full Professor position in Lomonosov Moscow State University, Mechanics and Mathematics Faculty, Department of Mathematical Statistics and Random Processes, Moscow, Russia.
16. 2011 / October – at present — Head of the Discrete Mathematics Department in Moscow Institute of Physics and Technology, Faculty of Innovations and High Technology, Moscow and Dolgoprudny, Russia.
17. 2011 / December – at present — Member of the scientific council of Moscow Institute of Physics and Technology, Dolgoprudny, Russia.
18. 2012 / January – at present — Invited Lecturer position in New School of Economics/Higher School of Economics, Moscow, Russia.
19. 2013 / April – at present — Member of the Coordination Council on Youth Affairs in Science and Education under the President of Russian Federation.
20. 2011 / September – at present — Member of the Moscow Mathematical Society.
21. 2013 / July – 2015 / December — One of the two coordinators of the Joint Samsung–MIPT laboratory.
22. 2013 / July – at present — Member of the federal list-register of experts in the field of science and technology.

23. 2015 / March – at present — Member of the European Association of Theoretical Computer Science (EATCS).
24. 2015 / September – at present — Professor of Buryat State University, Institute of Mathematics and Informatics.
25. 2016 / January – at present — Federal Professor of Mathematics at Moscow Institute of Physics and Technology, Moscow and Dolgoprudny, Russia.
26. 2016 / January – at present — Head of Laboratory “Advanced combinatorics and applications to network analysis”, Moscow Institute of Physics and Technology, Moscow and Dolgoprudny, Russia.
27. 2016 / September – at present — Director of the School of Applied Mathematics and Informatics, Moscow Institute of Physics and Technology, Moscow and Dolgoprudny, Russia.
28. 2016 / September – at present — Director of the Data Analysis program at Harbour.Space University, Barcelona, Spain.
29. 2017 / April – at present — Head of Laboratory “Applied Research MIPT-Sberbank”, Moscow Institute of Physics and Technology, Moscow and Dolgoprudny, Russia.
30. 2017 / November – at present — Head of Regional Scientific-Educational Centre “Caucasian Mathematical Centre”, Adyghe State University, Maykop, and Dolgoprudny, Russia.
31. 2017 / December – at present — Member of the Scientific Council of the “Artificial Intelligence Centre” at Moscow Institute of Physics and Technology, Moscow and Dolgoprudny, Russia.
32. 2018 / April – at present — Head of Joint Laboratory MIPT–RANEPA at Moscow Institute of Physics and Technology and Russian Presidential Academy of National economy and Public Administration, Moscow and Dolgoprudny, Russia.
33. 2018 – at present — Member of interdepartmental Council for awarding prizes of the government of the Russian Federation in education.
34. 2018 – at present — Member of interdepartmental Council for awarding prizes of the government of the Russian Federation in science.
35. 2020 – 2021 — Director of the ICPC final.

6 Awards and prizes

1. 2005 — I was awarded a gold medal of the Presidium of the Russian Academy of Sciences for a series of works in combinatorial geometry.
2. 2011 — I was awarded a prize of the President of the Russian Federation for science and technology. Statement: “For remarkable achievements in discrete mathematics and their applications in information technologies”.
3. 2020 — I was awarded the honorary title “Honorary worker of science and technics of the city of Moscow”.

7 International grants and stipendia

1. 1997 — I was selected and named as a Soros Student (grant number s98-1340).
2. 1998 — I was selected and named as a Soros Graduate Student (grant number a99-1693).
3. 1999 — I was selected and named as a Soros Graduate Student (grant number a00-316).
4. 1999 — Leonard Euler Stipendium of German Mathematical Society (DMV).
5. 2001 — A grant of the London Mathematical Society obtained under the new Scheme of Supporting Young Russian Mathematicians.
6. 2004 – 2007 — An INTAS grant (grant number 03-51-5070).
7. 2005 — A grant of the Royal Society.

8 Grants in Russia

1. 1996 – 1999 — Researcher on the grant number 96-01-00378 of Russian Foundation for Basic Research.
2. 1996 – 1999 — Researcher on the grant number 96-15-96072 of Russian Foundation for Basic Research.
3. 1999 – 2001 — Researcher on the grant number 99-01-00357 of Russian Foundation for Basic Research.
4. 2000 – 2002 — Researcher on the grant number 00-15-96109 of Russian Foundation for Basic Research.
5. 2002 – 2004 — Researcher on the grant number 02-01-00912 of Russian Foundation for Basic Research.
6. 2006 – 2008 — Researcher (team leader) on the grant number 06-01-00383 of Russian Foundation for Basic Research.
7. 2003 – 2005 — Researcher on the grant number NSh-136.2003.1 of the President of Russian Federation supporting leading scientific schools in Russia.
8. 2006 – 2007 — Researcher on the grant number NSh-1312.2006.1 of the President of Russian Federation supporting leading scientific schools in Russia.
9. 2004 – 2006 — Researcher on the grant number MK-3130.2004.1 of the President of Russian Federation.
10. 2006 – 2007 — Researcher on the grant number MD-4235.2006.1 of the President of Russian Federation.
11. 2003 – 2004 — A grant of Moscow State University for outstanding achievements in the research and education.
12. 2007 – 2009 — Researcher on a grant of “Dynastia” foundation.
13. 2008 – 2009 — Researcher on the grant number NSh-691.2008.1 of the President of Russian Federation supporting leading scientific schools in Russia.
14. 2008 – 2009 — Researcher on the grant number MD-5414.2008.1 of the President of Russian Federation.

15. 2009 – 2011 — Researcher (team leader) on the grant number 09-01-00294 of Russian Foundation for Basic Research.
16. 2010 – 2011 — Researcher on the grant number MD-8390.2010.1 of the President of Russian Federation.
17. 2010 – 2011 — Researcher on the grant number NSh-8784.2010.1 of the President of Russian Federation supporting leading scientific schools in Russia.
18. 2012 – 2013 — Researcher on the grant number NSh-2519.2012.1 of the President of Russian Federation supporting leading scientific schools in Russia.
19. 2012 – 2014 — Researcher (team leader) on the grant number 12-01-00683 of Russian Foundation for Basic Research.
20. 2013 – 2014 — Researcher on the grant number MD-6277.2013.1 of the President of Russian Federation.
21. 2014 – 2015 — Researcher on the grant number NSh-2964.2014.1 of the President of Russian Federation supporting leading scientific schools in Russia.
22. 2015 – 2017 — Researcher (team leader) on the grant number 15-01-00530 of Russian Foundation for Basic Research.
23. 2016 – 2020 — Researcher (team leader) on the grant number 16-11-10014 of Russian Science Foundation.
24. 2017 – 2018 — Researcher on the grant number 17-06-00340 of Russian Foundation for Basic Research.
25. 2018 – 2020 — Researcher (team leader) on the grant number 18-01-00355 of Russian Foundation for Basic Research.
26. 2018 – 2019 — Researcher on the grant number NSh-6760.2018.1 (team leader) of the President of Russian Federation supporting leading scientific schools in Russia.
27. 2020 – 2021 — Researcher on the grant number NSh-2540.2020.1 (team leader) of the President of Russian Federation supporting leading scientific schools in Russia.
28. 2019 – 2021 — Scientific advisor on the grant number 19-31-90016 of the Russian Foundation for Basic Research.
29. 2020 – 2022 — Scientific advisor on the grant number 20-31-90009 of the Russian Foundation for Basic Research.
30. 2020 – 2022 — Scientific advisor on the grant number 20-31-90023 of the Russian Foundation for Basic Research.
31. 2020 – at present — Researcher on the grant number 075-03-2020-190 (team leader) of the Ministry of Education of Russia.
32. 2019 – 2021 — Researcher on the megagrant number 075-15-2019-1926 of the Ministry of Education of Russia.
33. 2021 – 2024 — Researcher (team leader) on the grant number 21-71-30005 of Russian Science Foundation.

9 Invited and plenary talks at international conferences

1. 2000 — Invited talk at the international conference “Lattices, polytopes, and tilings”, Oberwolfach, Germany.
2. 2004 — Plenary talk at the VIII international seminar on Discrete Mathematics, Moscow, Russia.
3. 2004 — Plenary talk at the international conference on Discrete Analysis and Operation Research (DAOR), Novosibirsk, Russia.
4. 2006 — Invited talk at the international conference on analytic number theory dedicated to the memory of Nikolai Korobov, Moscow, Russia.
5. 2007 — Plenary talk at Workshop on Extremal Graphs and Hypergraphs, Pittsburgh, USA.
6. 2007 — Plenary talk at the international conference “Leonhard Euler and modern combinatorics”, Saint-Petersbourg, Russia.
7. 2007 — Plenary talk at the international conference “Analytical and combinatorial methods in number theory and geometry”, Iraklion, Crete, Greece.
8. 2007 — Plenary talk at the international conference on bioinformatics, Moscow, Russia.
9. 2008 — Plenary talk at the XIV international conference “Optimization methods and their applications”, Severobaykalsk, Russia.
10. 2008 — Invited talk at the international Pontryagin Anniversary Conference, Moscow, Russia.
11. 2009 — Invited talk at the conference “Young Mathematics of Russia”, Moscow, Russia.
12. 2009 — Invited talk at the conference “XXXIV Far-Eastern School-Seminar “Fundamental problems of mathematics and informatics” ”, Habarovsk, Russia.
13. 2010 — A series of 3 invited lectures at “Computer Science E-days”, Ekaterinburg, Russia.
14. 2010 — A series of 2 invited lectures at the 33rd conference of young scientists and specialists of the Institute of Information Transmission Problems of the Russian Acad. Sci. “Informational technologies and systems”, Gelendzhik, Russia.
15. 2010 — Invited talk at the international conference “Geometric graph theory”, Lausanne, Swiss.
16. 2011 — Invited talk at the first interdisciplinary school on social and economic problems, Maloe More (Baikal), Russia.
17. 2012 — Plenary talk at the International Conference “Instabilities and Control of Excitable Networks: From macro- to nano-systems”, Dolgoprudny, Russia.
18. 2012 — Plenary talk at the VIII International Petrozavodsk Conference “Probabilistic Methods in Discrete Mathematics”, Petrozavodsk, Russia.
19. 2012 — Plenary talk at the International Conference “Diophantine analysis”, Astrakhan, Russia.
20. 2012 — A series of 4 invited lectures at “Computer Science E-days”, Ekaterinburg, Russia.
21. 2013 — Plenary talk at the international conference “System analysis and Information technologies”, Kiev, Ukraine.

22. 2013 — Invited talk at the international “Palanga Conference in Combinatorics and Number Theory”, Palanga, Lithuania.
23. 2013 — Plenary talk at the international Conference “Geometry, Topology, and Applications” dedicated to upcoming 70th birthday of Nikolay Dolbilin, Yaroslavl, Russia.
24. 2013 — Plenary talk at the international Yandex School of Data Analysis Conference, Moscow, Russia.
25. 2014 — Invited talk at the GraphHPC (local Moscow State University conference), Moscow, Russia.
26. 2014 — Invited talk at the Traditional School “Control, Information, Optimization”, Moscow Region, Russia.
27. 2014 — Invited talk at the International Lithuanian Conference on Probability Theory, Vilnius, Lithuania.
28. 2014 — Invited talk at the School of Interdisciplinary Analysis of Social and Economic Processes, Zagosie, Pskov Region, Russia.
29. 2014 — Plenary talk at the International School on Information Technologies and Systems, Nizhniy Novgorod, Russia.
30. 2014 — Plenary talk at the International Russian–Finnish Conference in Discrete Mathematics, Petrozavodsk, Russia.
31. 2014 — A series of 8 invited lectures at Grodno State University, Grodno, Belarus.
32. 2014 — Plenary talk at the International School “Mathematical Methods and Applications to Earth Science”, Moscow, Russia.
33. 2014 — Invited talk at the International Conference “Arithmetic and allied subjects on the banks of the Neva”, Saint-Petersbourg, Russia.
34. 2015 — A series of 3 plenary lectures at the International School-Conference “Modern problems of mathematics and its applications”, Sverdlovsk (Ekaterinburg) region, Russia.
35. 2015 — Plenary talk at the International Conference “Approximation of logical models, algorithms and problems”, Omsk, Russia.
36. 2015 — Invited talk at the International Conference “The fifth international conference on Network Analysis”, Nizhniy Novgorod, Russia.
37. 2015 — Plenary talk at the XIII International Conference “Algebra, number theory, and discrete geometry: problems and applications”, Tula, Russia.
38. 2015 — A series of 4 invited lectures at the International School-Conference “RUSSIR: Russian School of Information Retrieval”, Saint-Petersbourg, Russia.
39. 2015 — Invited talk at the International Conference “Logic and Random Graphs”, Leiden, Netherlands.
40. 2015 — Plenary talk at the First International Conference “Fall Mathematical Lectures in Adygeya”, Maykop, Russia.

41. 2015 — Plenary talk at the All-Russian Conference “Universities in the system of search for and support of talented children and young people”, Maykop, Russia.
42. 2016 — Plenary talk at the international Workshop on Algorithms in Communication Complexity, Property Testing and Combinatorics, Moscow, Russia.
43. 2016 — Plenary talk at the international conference “Probabilistic methods in discrete mathematics”, Petrozavodsk, Russia.
44. 2016 — Two key-note talks at the First Vietnam International Workshop on Graph Theory and Discrete Geometry, Hanoi, Vietnam.
45. 2016 — Plenary talk at the Conference on Problems of Additional Education for Talented Schoolchildren, Kirov, Russia.
46. 2017 — A series of 4 plenary lectures at the International School-Conference “Modern problems of mathematics and its applications”, Sverdlovsk (Ekaterinburg) region, Russia.
47. 2017 — Invited talk at the ninth USTC-AHU Joint Seminar on Algebraic Combinatorics, Hefei, China.
48. 2017 — Invited talk at the A.A.Karatsuba’s 80th Birthday Conference in Number Theory and Applications, Moscow, Russia.
49. 2017 — Invited talk at the IX Traditional School “Control, Information, and Optimization”, Voronovo, Russia.
50. 2017 — Invited talk at the Workshop on Random Geometric Graphs and Their Applications to Complex Networks, Toronto, Canada.
51. 2017 — Invited talk at the 7th International Conference on Network Analysis, Nizhniy Novgorod, Russia.
52. 2017 — Plenary talk at the 2nd International Conference “Fall Mathematical Readings at Adyghe”, Maykop, Russia.
53. 2017 — Plenary talk at the III International Conference “Fintech and Regtech: opportunities, menaces and risks of financial technologies”, Moscow, Russia.
54. 2018 — Plenary talk at the Second All-Russian Interdisciplinary Conference “Sociophysics and Socioengineering”, Moscow, Russia.
55. 2018 — Plenary talk at the XXIII Science and Practice Conference “Complex information security”, Suzdal, Russia.
56. 2018 — Plenary talk at The Fourth International Conference on Machine Learning, Optimization, and Data Science, Volterra, Tuscany, Italy.
57. 2018 — Plenary talk at The All-Russian conference Extremal Combinatorics and Combinatorial Geometry, Maykop, Russia.
58. 2018 — Plenary talk at The All-Russian conference Mathematical talent and mathematical education, Maykop, Russia.
59. 2019 — Plenary talk at The All-Russian conference New information technologies in education, Moscow, Russia.

60. 2019 — Plenary talk at The Third IPM Biennial Combinatorics and Computing Conference IPMCCC 2019, Celebrating 30th Birthday of IPM and 80th Birthday of G.B. Khosrovshahi, Tehran, Iran.
61. 2019 — Plenary talk at The Congress TopHPC: High Performance Computing and Big Data Analytics, Tehran, Iran.
62. 2019 — Plenary talk at The Workshop on Data Science and Combinatorial Algorithms, Tehran, Iran.
63. 2019 — Plenary talk at The X International Petrozavodsk conference “Probabilistic methods in discrete mathematics”, Petrozavodsk, Russia.
64. 2019 — Plenary talk at The Autumn Mathematical Readings in Adygea, Maykop, Adyghe Republic, Russia.
65. 2019 — Plenary talk at The IX International Conference “Mathematical Education at School and University”, MATHEDU 2019, Kazan, Russia.
66. 2020 — Plenary talk at The All-Russian Conference “IT-education in Russia”, 2020, Moscow, Russia (held online due to COVID 19).
67. 2020 — Plenary talk at The 10th International Conference on Network Analysis, 2020, Nizhniy Novgorod, Russia (held online due to COVID 19).
68. 2020 — Plenary talk at The International Conference “Mathematical and Computer Tools for Informational, Technical and Economical Systems”, 2020, Tomsk, Russia (held online due to COVID 19).
69. 2020 — Invited talk at The All-Russian Conference “IT-education in contemporary world”, 2020, Moscow, Russia (held online due to COVID 19).
70. 2020 — Invited talk at The International Speech and Audio Signal Processing Workshop, 2020, Moscow, Russia (held online due to COVID 19).
71. 2020 — Plenary talk at The 3rd All-Russian conference Mathematical talent and mathematical education, Maykop, Russia.
72. 2020 — Plenary talk at The All-Russian conference “Contemporary problems of mathematical education at school and university”, Pskov, Russia (held online due to COVID 19).
73. 2021 — Plenary talk at The International Workshop on Euclidean Ramsey Theory dedicated to the memory of Ron Graham (1935-2020), Moscow–Budapest (held online due to COVID 19).
74. 2021 — Plenary talk at The First China and Russia Topology and Combinatorics Conference, Moscow–Shenyang (held online due to COVID 19).
75. 2021 — Plenary talk at The International Forum on Mathematical Education, Kazan, Russia.
76. 2021 — Keynote talk at The Conference Data Fusion, Moscow, Russia.
77. 2021 — Invited talk at The International Scientific-Educational Forum “Pedagogy of XXI century: challenges and solutions”, Tomsk, Russia.
78. 2021 — Invited talk at The All-Russian Conference “Teaching IT in Russian Federation”, 2021, Moscow, Russia (held online due to COVID 19).

79. 2021 — Invited talk at the International Conference “Mathematical Physics, Dynamical Systems and Infinite-Dimensional Analysis”, June - July, 2021 (held online due to COVID 19).
80. 2021 — Invited lectures at the International School-Conference “Mathematics, Theoretical Physics, and Mathematical Methods of Data Analysis in Neuroscience”, July - August, 2021.
81. 2021 — Plenary talk at The Autumn Mathematical Readings in Adygea, Maykop, Adyghe Republic, Russia.

10 Contributed talks at international conferences

1. 1996 — Talk at the third international conference “Contemporary problems of number theory and its applications”, Tula, Russia.
2. 1998 — Talk at the international conference “Algebra, Geometry, and Combinatorics”, Porto, Portugal.
3. 1998 — Talk at the international conference “Algebraic number theory and Diophantine approximations”, Graz, Austria.
4. 1999 — Talk at the international conference “Algebra, Geometry, and Combinatorics”, Porto, Portugal.
5. 1999 — Talk at the international conference “XXI Journées Arithmétiques”, Rome, Italy.
6. 2000 — Talk at the international “Festival of Geometry dedicated to Klee and Grünbaum”, Ein-Gev, Israel.
7. 2000 — Talk at the “International millennial conference on number theory”, Urbana-Champaign, USA.
8. 2000 — Talk at the “International conference on Graph theory, Combinatorics, Algorithms, and Applications”, Kalamazoo, USA.
9. 2000 — Talk at the international conference “Discrete and Algorithmic Geometry”, Anogia, Greece.
10. 2002 — Talk at the international conference “Discrete, combinatorial, and computational geometry”, Beijing, China.
11. 2003 — Talk at the fifth international conference “Contemporary problems of number theory and its applications”, Tula, Russia.
12. 2003 — Talk at the international conference “Diophantine approximations and uniform distribution”, Minsk, Belarus.
13. 2004 — Talk at the VIII international conference of the Canadian Number Theory Association, Toronto, Canada.
14. 2006 — Talk at the Czech-Slovak international conference on Combinatorics, Graph Theory, and Algorithms, Prague, Czech Republic.
15. 2006 — Talk at the international conference “Horizon of Combinatorics”, Lake Balaton, Balatonalmádi, Hungary.
16. 2006 — Talk at the international conference on number theory, Allahabad, India.

17. 2007 — Talk at the international conference “Discrete Mathematics and its applications”, Moscow, Russia.
18. 2007 — Talk at the international conference “European conference on combinatorics, graph theory and applications”, Sevilla, Spain.
19. 2008 — Talk at the international conference “Fete of combinatorics and computer science”, Keszthely, Hungary (with V. Lyubimov).
20. 2008 — Talk at the international conference “Fete of combinatorics and computer science”, Keszthely, Hungary (with V. Koshelev).
21. 2008 — Talk at the international conference “Fete of combinatorics and computer science”, Keszthely, Hungary (with I. Shitova, A. Gorskaya, and V. Protasov).
22. 2008 — Talk at the international conference “Fete of combinatorics and computer science”, Keszthely, Hungary (with A. Kokotkin).
23. 2008 — Talk at the international conference “Fete of combinatorics and computer science”, Keszthely, Hungary (with A. Chernov).
24. 2008 — Talk at the international conference “Fete of combinatorics and computer science”, Keszthely, Hungary (with O. Rubanov).
25. 2008 — Talk at the international conference “Fete of combinatorics and computer science”, Keszthely, Hungary (with A. Kupavskiy).
26. 2009 — Talk at the international conference Eurocomb 2009, Bordeaux, France (with A. Kupavskiy).
27. 2009 — Talk at the international conference Eurocomb 2009, Bordeaux, France (with O. Rubanov).
28. 2009 — (Poster) Talk at the international conference Eurocomb 2009, Bordeaux, France (with M. Titova).
29. 2009 — Talk at the VIII international conference “Discrete models in the theory of control systems”, Moscow, Russia.
30. 2009 — Talk at the XI All-Russian conference “Digital libraries: advanced methods and technologies, digital collections”, Petrozavodsk, Russia.
31. 2010 — Talk at the X international seminar on Discrete Mathematics, Moscow, Russia.
32. 2010 — Talk at the X international seminar on Discrete Mathematics, Moscow, Russia (with M.V. Titova).
33. 2010 — Talk at the 8th French Combinatorial Conference, Orsay, France (with A.B. Kupavskiy).
34. 2010 — Talk at the 8th French Combinatorial Conference, Orsay, France (with O.I. Rubanov).
35. 2010 — Talk at the International Conference “GEOMETRY, TOPOLOGY, ALGEBRA and NUMBER THEORY, APPLICATIONS” dedicated to the 120th anniversary of Boris Delone, Moscow, Russia.
36. 2011 — Talk at the Workshop on Combinatorics and Graph Theory, Warwick, United Kingdom.
37. 2011 — Talk at the Random Structures and Algorithms Conference, Atlanta, USA.

38. 2011 — Talk at the “Infinite and finite sets” Conference, Budapest, Hungary (with V.V. Bulankina, V.P. Filimonov, A.B. Kupavskii).
39. 2011 — Talk at the “Infinite and finite sets” Conference, Budapest, Hungary (with A.B. Kupavskii, M.V. Titova).
40. 2011 — Talk at the “Infinite and finite sets” Conference, Budapest, Hungary (with D.D. Cherkashin).
41. 2012 — Talk at the “4th Polish Combinatorial Conference”, Bedlewo, Poland (with D.V. Samirov).
42. 2012 — Talk at the “4th Polish Combinatorial Conference”, Bedlewo, Poland (with D.V. Samirov, A.E. Zvonarev, A.A. Harlamova).
43. 2012 — Talk at the “4th Polish Combinatorial Conference”, Bedlewo, Poland (with V.B. Goldshteyn).
44. 2012 — Talk at the “4th Polish Combinatorial Conference”, Bedlewo, Poland (with E.I. Ponomarenko).
45. 2012 — Talk at the “4th Polish Combinatorial Conference”, Bedlewo, Poland (with A.A. Kokotkin).
46. 2012 — Talk at the “Conference on Information and Knowledge Management”, Lahaina, Maui, Hawaii, USA (with E.A. Grechnikov, G.G. Gusev, L.A. Ostroumova, Yu.L. Pritykin, P. Serdyukov, D.V. Vinogradov, M.E. Zhukovskiy).
47. 2012 — Talk at the “Conference on Information and Knowledge Management”, Lahaina, Maui, Hawaii, USA (with P. Serdyukov, D.V. Vinogradov, M.E. Zhukovskiy, G.G. Gusev).
48. 2012 — Talk at the conference “MIPT-55”, Dolgoprudny, Russia (with D.V. Samirov).
49. 2013 — Talk at the Franco-Russian workshop, Moscow, Russia (with L.A. Ostroumova).
50. 2013 — Talk at the “Erdős centennial”, Budapest, Hungary (with E.I. Ponomarenko).
51. 2013 — Talk at the Random Structures and Algorithms Conference, Poznań, Poland (with L.I. Bogolubskiy, A.S. Gusev, M.M. Pyaderkin).
52. 2013 — Talk at the conference “MIPT-56”, Dolgoprudny, Russia (with D.V. Samirov).
53. 2014 — Talk at the International conference “Summit 240”, Budapest, Hungary (with A.S. Gusev and M.M. Pyaderkin).
54. 2015 — Talk at the Random Structures and Algorithms Conference, Pittsburgh, USA (with M.M. Pyaderkin).
55. 2016 — Talk at the international conference “Neural Information Processing Systems”, Barcelona, Spain (with Lev Bogolubsky, Pavel Dvurechensky, Alexander Gasnikov, Gleb Gusev, Yurii Nesterov, Aleksey Tikhonov, Maksim Zhukovski).
56. 2017 — Talk at the 14th Workshop on Algorithms and Models for the Web Graph (WAW2017), Totonto, Canada.
57. 2017 — Talk at the Random Structures and Algorithms Conference, Gniezno, Poland (with P. Pralat and L. Ostroumova Prokhorenkova).
58. 2017 — Talk at the Eurocomb, Vienna, Austria (with P. Pralat and L. Ostroumova Prokhorenkova).
59. 2017 — Talk at the international conference “Extremal combinatorics”, Warwick, United Kingdom.

60. 2019 — Talk at the international conference “The 7th biennial Canadian Discrete and Algorithmic Mathematics Conference (CanaDAM)”, Vancouver, Canada.
61. 2019 — Talk at the international conference “LION 13 Learning and Intelligent Optimization Conference”, Chania, Crete, Greece.
62. 2019 — Talk at the international conference “Mathematical Physics, Dynamical Systems and Infinite-Dimensional Analysis”, Dolgoprudny, Russia.
63. 2021 — Talk at the Eurocomb, held online due to COVID 19 (with N. Derevyanko and M. Koshelev).

11 Other international conferences (with publication of an abstract)

1. 1999 — “Paul Erdős memorial conference”, Budapest, Hungary.
2. 2001 — International conference on Discrete Geometry dedicated to Professor S.S. Ryshkov, Moscow, Russia.
3. 2001 — Fourth international conference “Contemporary problems of number theory and its applications”, Tula, Russia.

12 Administrative conferences

1. 2012 — II International conference devoted to the creation of scientific, innovational, and educational centers in Skolko Tech, Moscow, Russia.
2. 2013 — IV All-Russian conference of the councils of young scientists and specialists, Moscow, Russia.
3. 2013 — Conference of scientists working at Russian Academy of Sciences “The present and the future of the Russian science. Place and role of the Russian Academy of Sciences”, Moscow, Russia.
4. 2016 — Conference “Looking into the electronic future”, Sochi, Russia.
5. 2021 — Krasnoyarsk Economic Forum, Krasnoyarsk, Russia.

13 Personal short-time invitations

1. 1999 — Invitation to Berlin Technical University, by Professor Günter M. Ziegler; Berlin, Germany.
2. 1999 — Invitation to the Mathematical Institute of Warsaw, by Professor A. Schinzel; Warsaw, Poland.
3. 1999 — Invitation to Technical University of Graz, by Professor Robert F. Tichy; Graz, Austria.
4. 2000 — Invitation to Rényi Mathematical Institute, by Professor Imre Bárány; Budapest, Hungary.
5. 2001 — Invitation to Cambridge University, by Professor Imre Leader; Cambridge, United Kingdom.
6. 2001 — Invitation to Smith College, by Professor Marjorie Senechal; Northampton, USA.
7. 2001 — Invitation to the University of Bordeaux, France.

8. 2001 — Invitation to the University of South Carolina, by Professor László A. Székely; Columbia, USA.
9. 2001 — Invitation to Cornell University, by Professors John Hubbard and Robert Connelly; Ithaca, USA.
10. 2001 — Invitation to Queen's University, by Professor Robert M. Erdahl; Kingston, Canada.
11. 2003 — Invitation to Smith College, by Professor Marjorie Senechal; Northampton, USA.
12. 2003 — Invitation to Washington University, by Professor Victor Klee; Seattle, USA.
13. 2004 — Invitation to New York University, by Professor Pollack; New York, USA.
14. 2004 — Invitation to Macquarie University, by Professor Igor Shparlinski; Sydney, Australia.
15. 2005 — Invitation to the University of Bordeaux, by Professor Yuri Bilu; Bordeaux, France.
16. 2005 — Invitation to the University of Massachusetts at Lowell, by Professor Konstantin Rybnikov; Lowell, USA.
17. 2005 — Invitation to CORE institute; Louvain-la-Neuve, Belgium.
18. 2005 — Invitation to MIT, by Professor Igor Pak; Boston, USA.
19. 2005 — Invitation to Institute of Mathematics of the Belarus National Academy of Sciences, by Professor Vassiliy Bernik; Minsk, Belarus.
20. 2006 — Invitation to Institute of Mathematics of the Belarus National Academy of Sciences, by Professor Vassiliy Bernik; Minsk, Belarus.
21. 2006 — Invitation to UCSD, by Professor Mikhail Alekhovich; San Diego, USA.
22. 2006 — Invitation to Berlin Technical University, by Professor Günter M. Ziegler; Berlin, Germany.
23. 2006 — Invitation to Cardiff University, by Professor Martin Huxley; Cardiff, UK.
24. 2007 — Invitation to Institute of Mathematics of the Belarus National Academy of Sciences, by Professor Vassiliy Bernik; Minsk, Belarus.
25. 2007 — Invitation to the University of Massachusetts at Lowell, by Professor Konstantin Rybnikov; Lowell, USA.
26. 2007 — Invitation to the University of Vilnius, by Professor Arturas Dubickas; Vilnius, Lithuania.
27. 2008 — Invitation to the University of Bordeaux, by Professor Chabanol; Bordeaux, France.
28. 2008 — Invitation to Institute of Mathematics of the Belarus National Academy of Sciences, by Professor Vassiliy Bernik; Minsk, Belarus.
29. 2008 — Invitation to Kazan University, by Professor Roman Stepanov; Kazan, Russia.
30. 2009 — Invitation to Irkutsk University, by Professor Valeriy Zorkal'tsev; Irkutsk, Russia.
31. 2010 — Invitation to Irkutsk University, by Professor Valeriy Zorkal'tsev; Irkutsk, Russia.
32. 2010 — Invitation to Saint-Petersbourg branch of Steklov mathematical institute, by Professor Anatoliy Vershik; Saint-Petersbourg, Russia.

33. 2011 — Invitation to Computer Science Club (Six Lectures); Ekaterinburg, Russia.
34. 2011 — Invitation to Irkutsk University, by Professor Alexey Savvateev; Irkutsk, Russia.
35. 2011 — Invitation to Microsoft Research, by Yuval Peres; Redmond, USA.
36. 2011 — Invitation to Computer Science Club (Three Lectures); Saint-Petersburg, Russia.
37. 2011 — Invitation to Georgia Institute of Technology, by Professor Prasad Tetali; Atlanta, USA.
38. 2011 — Invitation to University of Illinois at Urbana-Champaign, by Professor Alexandr Kostochka; Urbana-Champaign, USA.
39. 2012 — Invitation to Technion, by Professor Tamar Ziegler; Haifa, Israel.
40. 2012 — Invitation to MIT, by Professor David Gamarnik; Boston, USA.
41. 2012 — Invitation to Institute of Mathematics of the Belarus National Academy of Sciences, by Professor Vassiliy Bernik; Minsk, Belarus.
42. 2013 — Invitation to Computer Science Club (Four Lectures); Ekaterinburg, Russia.
42. 2014 — Invitation to Cambridge University; by Professor Bela Bollobás; Cambridge, United Kingdom.
43. 2015 — Invitation to Irkutsk University, by Professor Alexey Savvateev; Irkutsk, Russia.
44. 2015 — Invitation to Buryat State University, by Professor Valeriy Arkhincheev; Ulan-Ude, Russia.
45. 2016 — Invitation to Irkutsk University, by Professor Alexey Savvateev; Irkutsk, Russia.
46. 2016 — Invitation to Syktyvkar University, by Professor Alexandr Tikhomirov; Syktyvkar, Russia.
47. 2017 — Invitation to Ryerson University and Fields Institute, by Professor Pawel Pralat; Toronto, Canada.
48. 2017 — Invitation to Shanghai Jiao Tong University, by Professor Yaokun Wu; Shanghai, China.
49. 2017 — Invitation to University of Science and Technology of China, by Professors Alexander Gavriluk and Jack Koolen; Hefei, China.
50. 2017 — Invitation to Anhui University, by Professor Yizheng Fan; Hefei, China.
51. 2017 — Invitation to Microsoft Research New England, by Jennifer Chayes; Boston, USA.
52. 2019 — Invitation to University Grenoble-Alpes, by Eric Bonnetier; Grenoble, France.

14 Membership in editorial boards

1. 2011 – at present — Editor-in-Chief of the Moscow Journal of Combinatorics and Number Theory.
2. 2015 – at present — member of editorial board of the electronic journal “Control of large systems”.
3. 2015 – at present — member of editorial board of the “International journal of mathematics and statistics”.
4. 2015 – at present — member of editorial board of “Kvant”.

5. 2015 – at present — member of editorial board of “Matematicheskoe prosveshchenie”. Editor-in-Chief starting from 2019.
6. 2017 – at present — member of editorial board of “Trudy MFTI” (Proceedings of MIPT).

15 List of publications

15.1 To appear

1. A.M. Raigorodskii, *Triangles of Danzer–Grünbaum*, Second Edition, Moscow Centre for Continuous Mathematical Education (MCCME), Moscow, Russia (book in Russian).
2. V.S. Karas, A.M. Raigorodskii, *Asymptotics of the independence number of a random subgraph of the graph $G(n, r, < s)$* , accepted to Itogi Nauki i Tekhniki. Series “Contemporary Mathematics. Surveys”.
3. V.S. Karas, P.A. Ogarok, A.M. Raigorodskii, *Asymptotics of the independence number of a random subgraph of the graph $G(n, r, < s)$* , accepted to Doklady Math.
4. A.M. Raigorodskii, V.S. Karas, *Asymptotics of the independence number of a random subgraph of the graph $G(n, r, < s)$* , accepted to Math. Notes.
5. A.M. Raigorodskii, V.S. Karas, *On Ramsey numbers for arbitrary sequences of graphs*, submitted to Doklady Math.
6. M.M. Ipatov, M.M. Koshelev, A.M. Raigorodskii, *Modularity of some distance graphs*, European J. Comb., submitted.
7. A.M. Raigorodskii, *Coloring problems*, submitted to Mat. prosveshchenie.
8. A. Nikeghbali, P. Pardalos, A. Raigorodskii, M. Th. Rassias (eds.), *High Dimensional Optimization and Probability: With a view towards Data Science*, Springer, in preparation.
9. M.A. Noor, K.I. Noor, B. Bin-Mohsen, M. Th. Rassias, A.M. Raigorodskii, *General preinvex functions and variational-like inequalities*, in *Approximation and Computation in Science and Engineering*, Springer, submitted.
10. Michael Th. Rassias, Bicheng Yang, Andrei Raigorodskii, *Equivalent Properties of Two Kinds of Hardy-Type Integral Inequalities*, submitted.
11. V.S. Kozhevnikov, A.M. Raigorodskii, M.E. Zhukovskii, *Large cycles in random generalized Johnson graphs*, accepted to Discrete Mathematics.
12. K. Kovalenko, M. Romance, D. Aleja, E. Vasilyeva, R. Criado, A.M. Raigorodskii, J. Flores, K. Alfaro-Bittner, M. Perc, S. Boccaletti, *Vector Centrality in Networks with Higher-Order Interactions*, submitted to Phys. Rev. Letters.
13. D. Pasechnyuk, A.M. Raigorodskii, *Network utility maximization by updating individual transmission rates*, International Conference on Optimization and Applications, 2022, Springer.

15.2 Published in 2021

1. K. Kovalenko, I. Sendina-Nadal, N. Khalil, A. Dainiak, D. Musatov, A.M. Raigorodskii, K. Alfaro-Bittner, B. Barzel, and S. Boccaletti, *Growing scale-free simplices*, Communications Physics, 4 (1), 2021, 1 - 9.
2. E. Vasilyeva, A. Kozlov, K. Alfaro-Bittner, D. Musatov, A.M. Raigorodskii, M. Perc and S. Boccaletti, *Multilayer representation of collaboration networks with higher-order interactions*, Scientific Reports, 11 (1), 2021, 1 - 11.
3. X. Dai, K. Kovalenko, M. Molodyk, Z. Wang, X. Li, D. Musatov, A.M. Raigorodskii, K. Alfaro-Bittner, G.D. Cooper, G. Bianconi, S. Boccaletti, *D-dimensional oscillators in simplicial structures: odd and even dimensions display different synchronization scenarios*, Chaos, Solitons and Fractals, 146 (2021), 110888.
4. A. Zhuk, I. Sendina-Nadal, I. Leyva, D. Musatov, A. M. Raigorodskii, M. Perc, S. Boccaletti. *Predicting transitions in cooperation levels from network connectivity*, New Journal of Physics, 23 (9), 2021, 093040.
5. M. Th. Rassias, B. Yang, A.M. Raigorodskii, *On a Half-Discrete Hilbert-Type Inequality in the Whole Plane with the Hyperbolic Tangent Function and Parameters*, in Approximation Theory and Analytic Inequalities, Springer, 2021, 405 - 434.
6. M. Th. Rassias, B. Yang, A.M. Raigorodskii, *A New Hardy-Mulholland-Type Inequality with a Mixed Kernel*, Advances in Operator Theory, 6 (27) (2021).
7. Bicheng Yang, Michael Th. Rassias and Andrei Raigorodskii, *On an Extension of a Hardy-Hilbert-Type Inequality with Multi-Parameters*, Mathematics 2021, 9(19), 2432.
8. Michael Th. Rassias, Bicheng Yang and Andrei Raigorodskii, *A Hilbert-Type Integral Inequality in the Whole Plane Related to the Arc Tangent Function*, Symmetry, 13 (2) (2021), 327.
9. A.V. Berdnikov, A.M. Raigorodskii, *Bounds for Borsuk's numbers using special distance graphs*, Information Transmission Problems, 57 (2021), N2, 44 - 50; English transl. in Information Transmission Problems, 57 (2021), N2.
10. F.A. Pushnyakov, A.M. Raigorodskii, *A bound for the number of edges in subgraphs of Johnson's graph*, Doklady of the Russian Acad. Sci., 499 (2021), 40 - 43; English transl. in Doklady Math., 104 (2021), N1.
11. N. Derevyanko, M. Koshelev, A.M. Raigorodskii, *New bounds on the modularity of Johnson graphs and random subgraphs of Johnson graphs*, Extended Abstracts EuroComb 2021, part of the Trends in Mathematics book series (TM, volume 14), Springer, 2021, pp. 221 - 227.

15.3 Published in 2020

1. A.M. Raigorodskii, *Coloring problems*, Moscow Centre for Continuous Mathematical Education (MCCME), 2020, Moscow, Russia, (book in Russian).
2. A.M. Raigorodskii and M. Th. Rassias (eds.), *Discrete Mathematics and Applications*, Springer, 2020.
3. B. Yang, M. Th. Rassias, A. Raigorodskii, *On Hardy-Type Integral Inequalities in the Whole Plane Related to the Extended Hurwitz-Zeta Function*, Journal of Inequalities and Applications, 94 (2020).

4. Michael Th. Rassias, Bicheng Yang and Andrei Raigorodskii, *On the Reverse Hardy-Type Integral Inequalities in the Whole Plane with the Extended Riemann-Zeta Function*, Journal of Mathematical Inequalities, 14 (2020), N2, 525 - 546.
5. M. Th. Rassias, B. Yang, A.M. Raigorodskii, *On a More Accurate Reverse Hilbert-Type Inequality in the Whole Plane*, Journal of Math. Inequalities, 14(4)(2020), 1359-1374.
6. M. Th. Rassias, B. Yang, A.M. Raigorodskii, *On a Half-Discrete Hilbert-Type Inequality in the Whole Plane with the Kernel of Hyperbolic Secant Function Related to the Hurwitz Zeta Function*, in Trigonometric Sums and their Applications, Springer, 2020, 229 - 259.
7. H. Maier, Th. Rassias, A.M. Raigorodskii, *The maximum of cotangent sums related to the Nyman-Beurling criterion for the Riemann hypothesis*, in Trigonometric Sums and their Applications, Springer, 2020, 149 - 158.
8. A.M. Raigorodskii and M. Th. Rassias (eds.), *Trigonometric Sums and their Applications*, Springer, 2020.
9. A.M. Raigorodskii, D.D. Cherkashin, *Extremal problems in hypergraph colorings*, Uspekhi Matem. Nauk, 75 (2020), N1, 95 - 154; English transl. in Russian Math. Surveys, 75 (2020), N1, 89 - 146.
10. F.A. Pushnyakov, A.M. Raigorodskii, *Estimate of the Number of Edges in Special Subgraphs of a Distance Graph*, Mat. Zametki, 107 (2020), N2, 286 - 298; English transl. in Math. Notes., 107 (2020), N2, 322 - 332.
11. Miasnikof P., Prokhorenkova L., Shestopaloff A.Y., Raigorodskii A. (2020) *A Statistical Test of Heterogeneous Subgraph Densities to Assess Clusterability*. In: Matsatsinis N., Marinakis Y., Pardalos P. (eds) Learning and Intelligent Optimization. LION 2019. Lecture Notes in Computer Science, vol 11968. Springer, Cham.
12. A.V. Bobu, A.E. Kupriyanov, A.M. Raigorodskii, *A Generalization of Kneser Graphs*, Matem. zametki, 107 (2020), N3, 351 - 365; English transl. in Math. Notes, 107 (2020), N3, 392 - 403.
13. M.M. Ipatov, M.M. Koshelev, A.M. Raigorodskii, *Modularity of some distance graphs*, Doklady of the Russian Acad. Sci., 490 (2020), 71 - 73; English transl. in Doklady Math., 101 (2020), N1, 60 - 61.
14. A.M. Raigorodskii, M.M. Koshelev, *New bounds for the clique-chromatic numbers of Johnson graphs*, Doklady of the Russian Acad. Sci., 490 (2020), 78 - 80; English transl. in Doklady Math., 101 (2020), N1, 66 - 67.
15. A.M. Raigorodskii, M.M. Koshelev, *New bounds on clique-chromatic numbers of Johnson graphs*, Discrete and Applied Math., 283 (2020), 724 - 729.
16. *2nd Russian-Hungarian Combinatorial Workshop*, edited by Gyula O.H. Katona, Andrei Raigorodskii, Mate Vizer, Discrete Applied Mathematics, 276 (2020), 1 - 176.
17. G.O.H. Katona, A.M. Raigorodskii, M. Vizer, *Preface: 2nd Russian-Hungarian Combinatorial Workshop*, Discrete Applied Mathematics, 276 (2020), 1 - 1.
18. A.M. Raigorodskii, *On dividing sets into parts of smaller diameter*, Doklady of the Russian Acad. Sci., 495 (2020), 74 - 78; English transl. in Doklady Math., 102 (2020), N3, 510 - 512.
19. P.A. Ogarok, A.M. Raigorodskii, *On the stability of the independence number of a distance graph*, Information Transmission Problems, 56 (2020), N4, 50 - 63; English transl. in Information Transmission Problems, 56 (2020), N4, 347 - 359.

15.4 Published in 2019

1. A.M. Raigorodskii, *On a coloring problem*, Kvant, 2019, N8, 15 - 22 (in Russian).
2. A.M. Raigorodskii and M. Th. Rassias, open access journal “Symmetry”, special issue “Mathematical Analysis, Analytic Number Theory, and Applications”, 2019.
3. A.M. Raigorodskii, A.A. Sagdeev, *On a Frankl–Wilson theorem and its geometric corollaries*, Acta Math. Univ. Comenianae, Vol. LXXXVIII, (2019), N3, 1029 - 1033.
4. K.D. Kovalenko, A.M. Raigorodskii, *Systems of representatives*, Mat. Zametki, 106 (2019), N3, 387 - 394; English transl. in Math. Notes., 106 (2019), N3, 372 - 377.
5. A.M. Raigorodskii, *Models of the Internet*, Second Edition, Intellect, Dolgoprudny, 2019 (book in Russian).
6. A.A. Glibichuk, D.G. Ilyinskii, D.V. Musatov, A.M. Raigorodskii, A.A. Chernov, *Basics of combinatorics and number theory*, Second Edition, Intellect, Dolgoprudny, 2019 (book in Russian).
7. M.A. Fadin, A.M. Raigorodskii, *The maximum defect of an admissible octahedron in a lattice*, Uspekhi Matem. Nauk, 74 (2019), N3, 191 - 192; English transl. in Russian Math. Surveys, 74 (2019), N3, 552 - 554.
8. D.A. Zakharov, A.M. Raigorodskii, *Clique-chromatic numbers of graphs of intersections*, Mat. Zametki, 105 (2019), N1, 142 - 144; English transl. in Math. Notes., 105 (2019), N1, 137 - 139.
9. L.I. Bogoliubsky, A.M. Raigorodskii, *A Remark on Lower Bounds for the Chromatic Numbers of Spaces of Small Dimension with Metrics l_1, l_2* , Mat. Zametki, 105 (2019), N2, 187 - 213; English transl. in Math. Notes., 105 (2019), N2, 180 - 203.
10. E.A. Shishunov, A.M. Raigorodskii, *On the independence numbers of some distance graphs with vertices in $\{-1, 0, 1\}^n$* , Doklady of the Russian Acad. Sci., 485 (2019), N3; English transl. in Doklady Math., 99 (2019), N2, 165 - 166.
11. L.I. Bogoliubskiy, A.M. Raigorodskii, *On bounds in Borsuk’s problem*, Proceedings of Moscow Institute of Physics and Technology, 11 (2019), N3, 20 - 49 (in Russian).
12. E.A. Shishunov, A.M. Raigorodskii, *On the independence numbers of distance graphs with vertices in $\{-1, 0, 1\}^n$* , Doklady of the Russian Acad. Sci., 488 (2019), N5; English transl. in Doklady Math., 100 (2019), N2, 476 - 477.
13. V.A. Konyavskiy, N.A. Kuznetsov, A.M. Raigorodskii, S.A. Trenin, V. Gorbachev, A.V. Brodskiy, O.E. Karpov, S.N. Filippova, *Identification in Digital Economy Computer System*, Journal of Communications Technology and Electronics, 64 (12), 2019, 1493 - 1499.
14. N. Moshchevitin, A. Raigorodskii, *To the reader*, Mosc. J. Comb. Number Theory, 8 (1), 2019, 1 - 2.

15.5 Published in 2018

1. A.A. Sokolov, A.M. Raigorodskii, *On rational analogues of Nelson–Hadwiger and Borsuk problems*, Chebyshev Sbornik, 19 (2018), N3, 270 - 281 (in Russian).
2. N. Litvak, A. Raigorodskii, *Who needs mathematics? A simple book on how the digital world is done*, Mann, Ivanov and Faber, 2018, Second Edition (book in Russian).

3. A.M. Raigorodskii, V.A. Voronov, A.V. Savvateev, *A break-through in a plane coloring problem*, Kvant, 11 (2018), 2 - 9 (in Russian).
4. M.M. Pyaderkin, A.M. Raigorodskii, *On the chromatic number of random subgraphs of a certain distance graph*, Proceedings of Moscow Institute of Physics and Technology, 10 (2018), N4, 5 - 13 (in Russian).
5. M.T. Rassias, B. Yang, A.M. Raigorodskii, *Two Kinds of the Reverse Hardy-Type Integral Inequalities with the Equivalent Forms Related to the Extended Riemann Zeta Function*, Applicable Analysis and Discrete Mathematics, 12 (2018), 273 - 296.
6. A.M. Raigorodskii, T.V. Trukhan, *On the chromatic numbers of some distance graphs*, Doklady of the Russian Acad. Sci., 482 (2018), N6; English transl. in Doklady Math., 98 (2018), N2, 515 - 517.
7. A.M. Raigorodskii, M.T. Rassias, *Maier's matrix method and irregularities in the distribution of prime numbers*, "Irregularities in the distribution of prime numbers", J. Pintz and M.T. Rassias, eds., Springer, 2018, 165 - 186.
8. A.A. Sagdeev, A.M. Raigorodskii, *On a bound in extremal combinatorics*, Doklady of the Russian Acad. Sci., 478 (2018), N3, 271 - 273; English transl. in Doklady Math., 97 (2018), N1, 47 - 48.
9. D. Cherkashin, A. Kulikov, A. Raigorodskii, *On the chromatic numbers of small-dimensional Euclidean spaces*, Discrete and Applied Math., 243 (2018), 125 - 131.
10. A.M. Raigorodskii, *Acute sets*, Kvant, N3 (2018), 10 - 13 (in Russian).
11. A.M. Raigorodskii, *Partitioning sets into parts of smaller diameters*, Mathematics in Problems, A.A. Zaslavskii et al. eds., Moscow Centre for Continuous Mathematical Education (MCCME), 2018, 313 - 316, Moscow, Russia (paper in a book in Russian).
12. A.M. Raigorodskii, *Probability theory and combinatorial geometry*, Mathematics in Problems, A.A. Zaslavskii et al. eds., Moscow Centre for Continuous Mathematical Education (MCCME), 2018, 482 - 483, Moscow, Russia (paper in a book in Russian).
13. E.V. Blagodarny, A.A. Vedyakhin, A.M. Raigorodskii, *Development of educational projects on the basis of technological platforms with artificial intelligence: the experience of MIPT on the use of HighVox-platform*, Proceedings of the 2018 International Conference on Artificial Intelligence Applications and Innovations (IC-AIAI), IEEE Computer Society Conference Publishing Services (CPS), 2018, 12 - 17.
14. V.A. Konyavskiy, N.A. Kuznetsov, A.M. Raigorodskii, S.A. Trenin, V. Gorbachev, A.V. Brodskiy, O.E. Karpov, S.N. Filippova, *Identification in information systems of the digital economy*, Information Systems, 18 (2018), N4, 376 - 385.

15.6 Published in 2017

1. A.V. Bobu, A.E. Kupriyanov, A.M. Raigorodskii, *On the number of edges of a uniform hypergraph with a range of permitted intersections*, Information Transmission Problems, 53 (2017), N4, 16 - 42; English transl. in Information Transmission Problems, 53 (2017), N4, 319 - 342.
2. K. Avrachenkov, A. Kadavankandy, L. Ostroumova Prokhorenkova, A. Raigorodskii, *PageRank in Undirected Random Graphs*, Internet Math., <http://www.internetmathematicsjournal.com/article/1625-pagerank-in-undirected-random-graphs>, DOI: 10.24166/im.09.2017.

3. Liudmila Ostroumova Prokhorenkova, Pavel Pralat, Andrei Raigorodskii, *Modularity of Complex Networks Models*, Internet Mathematics, <http://www.internetmathematicsjournal.com/article/1916-modularity-of-complex-networks-models>, DOI: 10.24166/im.12.2017.
4. Ch. Xiao. H. Chen, Andrei. M. Raigorodskii, *A connection between the Kekulé structures of pentagonal chains and the Hosoya index of caterpillar trees*, Discrete Appl. Math., 232 (2017), 230 - 234.
5. A.V. Bobu, A.E. Kupriyanov, A.M. Raigorodskii, *On the number of edges of a uniform hypergraph with a range of permitted intersections*, Doklady of the Russian Acad. Sci., 475 (2017), N4, 365 - 368; English transl. in Doklady Math., 96 (2017), N1, 365 - 368.
6. L.E. Shabanov, A.M. Raigorodskii, *Turán type bounds for distance graphs*, Doklady of the Russian Acad. Sci., 475 (2017), N3, 254 - 256; English transl. in Doklady Math., 96 (2017), N1, 351 - 353.
7. A.A. Sagdeev, A.M. Raigorodskii, *On the chromatic number of a space with forbidden regular simplices*, Doklady of the Russian Acad. Sci., 472 (2017), N2, 127 - 129; English transl. in Doklady Math., 95 (2017), N1, 15 - 16.
8. D.D. Cherkashin, A.M. Raigorodskii, *On the chromatic numbers of small-dimensional spaces*, Doklady of the Russian Acad. Sci., 472 (2017), N1, 11 - 12; English transl. in Doklady Math., 95 (2017), N1, 5 - 6.
9. A.M. Raigorodskii, *Small subgraphs in preferential attachment networks*, Optimization Letters, 11 (2017), 249 - 257.
10. N. Litvak, A. Raigorodskii, *Who needs mathematics? A simple book on how the digital world is done*, Mann, Ivanov and Faber, 2017 (book in Russian).
11. A.M. Raigorodskii, *On a math olympiad type problem concerning graphs*, Kvant, N2 (2017), 2 - 8 (in Russian).
12. R.I. Prosanov, A.M. Raigorodskii, A.A. Sagdeev, *Improvements of Frankl–Rödl’s theorem and geometric consequences*, Doklady of the Russian Acad. Sci., 475 (2017), N2, 137 - 139; English transl. in Doklady Math., 96 (2017), N1, 336 - 338.
13. Liudmila Ostroumova Prokhorenkova, Pawel Pralat, Andrei Raigorodskii, *Modularity in several random graph models*, Electronic Notes in Discrete Mathematics, 61 (2017), 947 - 953.
14. S.G. Kiselev, A.M. Raigorodskii, *On the chromatic number of a random subgraph of Kneser’s graph*, Doklady of the Russian Acad. Sci., 476 (2017), N4, 375 - 376; English transl. in Doklady Math., 96 (2017), N2, 475 - 476.
15. A.M. Raigorodskii, *On the stability of the independence number of a random subgraph*, Doklady of the Russian Acad. Sci., 477 (2017), N6, 649 - 651; English transl. in Doklady Math., 96 (2017), N3, 628 - 630.

15.7 Published in 2016

1. B. Bollobás, B.P. Narayanan, A.M. Raigorodskii, *On the stability of the Erdős–Ko–Rado theorem*, J. Comb. Th. Ser. A, 137 (2016), 64 - 78.
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59. A.M. Raigorodskii, *Borsuk’s problem*, Abstracts of the talks at the First Vietnam International Workshop on Graph Theory and Discrete Geometry, Hanoi, Vietnam, 2016.

60. A.M. Raigorodskii, *Coloring random graphs*, Abstracts of the talks at the First Vietnam International Workshop on Graph Theory and Discrete Geometry, Hanoi, Vietnam, 2016.
61. A.M. Raigorodskii, *Distance education: experience and perspectives*, Abstracts of the talks at the Conference on Problems of Additional Education for Talented Schoolchildren, Kirov, Russia, 2016.
62. A.M. Raigorodskii, *The independence numbers and the chromatic numbers of random subgraphs of Kneser's graphs and their generalizations*, Abstracts of the talks at the Third IPM Biennial Combinatorics and Computing Conference IPMCCC 2019, Celebrating 30th Birthday of IPM and 80th Birthday of G.B. Khosrovshahi, Tehran, Iran, 2019.
63. A.M. Raigorodskii, *Colorings of random subgraphs*, Abstracts of the talks at the X International Petrozavodsk conference "Probabilistic Methods in Discrete Mathematics", Petrozavodsk, Russia, 2019.

16 PhD and Doctor of Sciences theses under my supervision

16.1 Year 2008

1. D.A. Shabanov, *Probabilistic methods for solving extremal problems on coloring uniform hypergraphs*, Moscow State University, Mechanics and Mathematics Faculty, Department of Mathematical Statistics and Random Processes, 01.01.05, 2008.

16.2 Year 2009

1. S.V. Nagaeva, *Extremal characteristics of the embeddings of random graphs into geometric graphs*, Moscow State University, Mechanics and Mathematics Faculty, Department of Mathematical Statistics and Random Processes, 01.01.05, 2009.
2. V.A. Koshelev, *The Erdős–Szekeres problems in combinatorial geometry*, Mathematical Institute of the Russian Academy of Sciences, Department of Geometry and Topology, 01.01.04, 2009.

16.3 Year 2010

1. I.M. Mitricheva, *The chromatic numbers of metric spaces and some related problems of optimization*, Moscow State University, Mechanics and Mathematics Faculty, Department of Optimal Control, 01.01.09, 2010.

16.4 Year 2011

1. L.L. Ivanov, *Study of the optimum configurations in the Borsuk problem and the problem of finding the chromatic number of a space*, Russian University of the People's Friendship, Faculty of the Mathematical, Physical, and Natural Sciences, 01.01.09+05.13.17, 2011.

16.5 Year 2012

1. M.E. Zhukovskii, *Zero-one laws and laws of large numbers for random graphs*, Moscow State University, Mechanics and Mathematics Faculty, Department of Probability Theory, 01.01.05, 2012.
2. A.R. Yarmukhametov, *Limit probabilities of some characteristics of random distance graphs*, Moscow State University, Mechanics and Mathematics Faculty, Department of Mathematical Statistics and Random Processes, 01.01.05, 2012.

16.6 Year 2013

1. D.A. Shabanov, *Extremal and probabilistic problems of hypergraph theory and additive combinatorics*, Doctor of Sciences thesis defended in the Institute of Information Transmission Problems, 01.01.05, 2013.
2. A.B. Kupavskiy, *Packing and coloring spheres in multidimensional spaces*, Moscow State University, Mechanics and Mathematics Faculty, Department of Number Theory, 01.01.06+01.01.09, 2013.
3. V.P. Filimonov, *On covering sets in Euclidean spaces*, Moscow State University, Mechanics and Mathematics Faculty, Department of Optimal Control, and Moscow Institute of Physics and Technology, Faculty of Innovations and High Technology, Department of Discrete Mathematics, 01.01.09, 2013.
4. V.B. Goldshteyn, *On the problems of Borsuk and Grünbaum for $(0, 1)$ - and $(-1, 0, 1)$ -polytopes in spaces of small dimension*, Moscow Institute of Physics and Technology, Faculty of Innovations and High Technology, Department of Discrete Mathematics, 01.01.09, 2013.
5. M.V. Titova, *Combinatorial and probabilistic methods in a problem concerning geometric Ramsey numbers*, Moscow State University, Mechanics and Mathematics Faculty, Department of Mathematical Statistics and Random Processes, 01.01.05+01.01.09, 2013.

16.7 Year 2014

1. E.I. Ponomarenko, *Borsuk's and Nelson–Hadwiger's problems in rational spaces*, Moscow Institute of Physics and Technology, Faculty of Innovations and High Technology, Department of Discrete Mathematics, 01.01.09, 2014.
2. E.A. Samosvat, *Modeling the Internet with the help of random graphs*, Moscow Institute of Physics and Technology, Faculty of Innovations and High Technology, Department of Discrete Mathematics, 05.13.18, 2014.
3. O.I. Rubanov, *Extremal properties of distance graphs*, Moscow State University, Mechanics and Mathematics Faculty, Department of Optimal Control, 01.01.09, 2014.
4. A.A. Kokotkin, *A probabilistic approach to problems on distance graphs and graphs of diameters*, Moscow Institute of Physics and Technology, Faculty of Innovations and High Technology, Department of Data Analysis, 01.01.09, 2014.

16.8 Year 2015

1. L.A. Ostroumova (Prokhorenkova), *Properties of random web-graphs based on preferential attachment*, Moscow State University, Mechanics and Mathematics Faculty, Department of Mathematical Statistics and Random Processes, 01.01.05, 2015.
2. D.V. Samirov, *Colorings of spaces with forbidden monochromatic configurations*, Moscow Institute of Physics and Technology, Faculty of Innovations and High Technology, Department of Discrete Mathematics, 01.01.09, 2015.

16.9 Year 2016

1. A.E. Zvonarev, *Extremal problems of hypergraph theory and their applications in the Euclidean Ramsey theory*, Moscow Institute of Physics and Technology, Faculty of Innovations and High Technology, Department of Discrete Mathematics, 01.01.09, 2016.
2. M.I. Tikhomirov, *On recognition complexity of some classes of geometric graphs*, Moscow Institute of Physics and Technology, Faculty of Innovations and High Technology, Department of Discrete Mathematics, 01.01.09, 2016.

16.10 Year 2017

1. A.V. Krot, *Local properties of web-graphs in preferential attachment models*, Moscow Institute of Physics and Technology, Faculty of Innovations and High Technology, Department of Discrete Mathematics, 01.01.09, 2017.

16.11 Year 2018

1. S.M. Teplyakov, *Upper bounds in the Erdős–Hajnal problem and its generalizations*, Moscow State University, Mechanics and Mathematics Faculty, Department of Mathematical Statistics and Random Processes, 01.01.09, 2018.
2. D.D. Cherkashin, *Extremal problems of hypergraph colorings*, Saint-Petersbourg State University, Mathematics and Mechanics Faculty, 01.01.09, 2018.
3. S.N. Popova, *0-1 laws for random distance graphs*, Moscow Institute of Physics and Technology, Faculty of Innovations and High Technology, Department of Discrete Mathematics, 01.01.05, 2018.
4. M.E. Zhukovskii, *First-order logic of the Erdős–Rényi random graph*, Doctor of Sciences thesis defended in the Institute of Information Transmission Problems, 05.13.17, 2018.

16.12 Year 2019

1. M.M. Pyaderkin, *Independence numbers and chromatic numbers of random distance graphs*, Moscow Institute of Physics and Technology, Faculty of Innovations and High Technology, Department of Discrete Mathematics, 01.01.05, 2019.
2. A.V. Bobu, *Extremal problems for hypergraphs with forbidden edge intersections*, Moscow Institute of Physics and Technology, Faculty of Innovations and High Technology, Department of Discrete Mathematics, 01.01.09, 2019.
3. A.B. Kupavskiy, *Families of sets with forbidden configurations and applications to discrete geometry*, Doctor of Sciences thesis defended in the Moscow Institute of Physics and Technology, 05.13.17, 2019.
4. A.V. Burkin, *Problems on subgraph distributions in random graphs*, Moscow Institute of Physics and Technology, Phystech-School of Applied Mathematics and Computer Science, Department of Discrete Mathematics, 01.01.05, 2019.
5. O.A. Kostina, *Colorings and partitions of sets on spheres*, Moscow Institute of Physics and Technology, Phystech-School of Applied Mathematics and Computer Science, Department of Discrete Mathematics, 01.01.09, 2019.

16.13 Year 2020

1. P.A. Pushnyakov, *On the number of edges in induced subgraphs of special distance graphs*, Moscow Institute of Physics and Technology, Phystech-School of Applied Mathematics and Computer Science, Department of Discrete Mathematics, 01.01.09, 2020.
2. L.I. Bogoliubskiy, *Problems on colorings and partitionings in combinatorial geometry*, Moscow Institute of Physics and Technology, Phystech-School of Applied Mathematics and Computer Science, Department of Discrete Mathematics, 01.01.09, 2020.

16.14 Year 2021

1. A.A. Sagdeev, *Extremal problems of set theory and their applications to Ramsey theory*, Moscow Institute of Physics and Technology, Phystech-School of Applied Mathematics and Computer Science, Department of Discrete Mathematics, 01.01.09, 2021.

17 Organization of schools and conferences

1. Summer and winter schools “Combinatorics and Algorithms” in Kostroma region, Russia, for high school students, winners of mathematical olympiads: starting from 2008, every year, twice a year (in summer and in winter).
2. Summer school “Big Data” in Sochi, Russia, for high school students, winners of mathematical olympiads: starting from 2015, every year.
3. Summer school “Modern combinatorics and game theory” in Adyghe republic, Russia, for students: starting from 2018, every year.
4. Summer School “Modern methods of information theory, optimization, and control” in Sochi, Russia, for students: starting from 2020, every year.
5. Summer School “Modern problems of applied combinatorics” in Sochi, Russia, for students: starting from 2021, potentially every year.
6. Discrete Mathematics Section at the Moscow Institute of Physics and Technology conference, Dolgoprudny, Russia, November, 2011.
7. A one-day section “Internet and transport networks: models and applications” at the International Conference “Instabilities and Control of Excitable Networks: From macro- to nano-systems”, Dolgoprudny, Russia, May, 2012.
8. First international workshop on Internet topology and Economics, Atlanta, USA, November, 2012.
9. Discrete Mathematics Section at the Moscow Institute of Physics and Technology conference, Dolgoprudny, Russia, November, 2012.
10. International “Palanga Conference in Combinatorics and Number Theory”, Palanga, Lithuania, September, 2013.
11. The Yandex School of Data Analysis international conference “Machine learning and Very Large Data Sets”, Moscow, Russia, September–October, 2013.
12. International Workshop on Random Graphs and their Applications, Yandex, Moscow, Russia, October, 2013.

13. Discrete Mathematics Section at the Moscow Institute of Physics and Technology conference, Dolgoprudny, Russia, November, 2013.
14. Moscow Workshop on Combinatorics and Number Theory, Dolgoprudny, Russia, January, 2014.
15. Workshop on Extremal Graph Theory, Moscow, Russia, June, 2014.
16. Section on Networks and Statistical Inference, Vilnius, Lithuania, July, 2014.
17. International School “Mathematical Methods and Applications to Earth Science”, Moscow, Russia, November, 2014.
18. Discrete Mathematics Section at the Moscow Institute of Physics and Technology conference, Dolgoprudny, Russia, November, 2014.
19. Workshop “Applied optimization and search problems on networks (graphs)”, Yandex and Laboratory of Algorithms and Technologies for Network Analysis (LATNA), Moscow, Russia, April, 2015.
20. The 5th International Conference on Network Analysis, Nizhniy Novgorod, Russia, May, 2015.
21. The 10th International Computer Science Symposium in Russia, Lake Baikal, Russia, July, 2015.
22. Workshop “Mathematical logic in computer science”, Moscow, Russia, July, 2015.
23. Workshop in Discrete Geometry, Dolgoprudny, Russia, September, 2015.
24. International conference “Machine learning: prospects and applications”, Berlin, Germany, October, 2015.
25. Discrete Mathematics Section at the Moscow Institute of Physics and Technology conference, Dolgoprudny, Russia, November, 2015.
26. International Conference on Big Data, Moscow, Russia, September, 2015.
27. International Conference on Big Data, Moscow, Russia, September, 2016.
28. The IX International Petrozavodsk Conference “Probabilistic Methods in Discrete Mathematics”, Petrozavodsk, Russia, June, 2016.
29. Workshop on Critical and collective effects in graphs and networks, Moscow, Russia, April, 2016.
30. The 6th International Conference on Network Analysis, Nizhniy Novgorod, Russia, May, 2016.
31. International workshop on extremal combinatorics and combinatorial geometry, Moscow, Russia, March, 2016.
32. Discrete Mathematics Section at the Moscow Institute of Physics and Technology conference, Dolgoprudny, Russia, November, 2016.
33. Workshop of Phystech-school of Applied Mathematics and Computer Science and the Department of Higher Mathematics at MIPT, Dolgoprudny, Russia, April, 2017.
34. First Russian-Hungarian Workshop on Discrete Mathematics, April 21 - April 23, Moscow, Russia, 2017.
35. Mini-conference “Diophantine problems” in occasion of Prof. Nikolay Moshchevitin’s 50 birthday, April 24 - April 25, Moscow, Russia, 2017.

36. Second Workshop on Critical and collective effects in graphs and networks, Moscow, Russia, May, 2017.
37. Workshop on problems of Arctic climate, Dolgoprudny, Russia, May, 2017.
38. IX Traditional School “Control, Information, and Optimization”, Voronovo, Russia, June, 2017.
39. The 7th International Conference on Network Analysis, Nizhniy Novgorod, Russia, May, 2017.
40. Vilnius Conference in Combinatorics and Number Theory, Vilnius, Lithuania, July, 2017.
41. Invited section “Random graphs and hypergraphs” at the 39th Conference on Stochastic Processes and their Applications, Moscow, Russia, July, 2017.
42. Workshop on extremal combinatorics, Moscow, Russia, September, 2017.
43. The 2nd International Conference “Fall Mathematical Readings at Adyghe”, Maykop, Russia, October, 2017.
44. International Workshop “Optimization at Work”, Dolgoprudny, Russia, October, 2017.
45. Discrete Mathematics Section at the Moscow Institute of Physics and Technology conference, Dolgoprudny, Russia, November, 2017.
46. International Conference “50 years of the development of grid-characteristic method”, Dolgoprudny, Russia, March-April, 2018.
47. International Workshop on graphs, networks, and their applications, Dolgoprudny, Russia, May, 2018.
48. WAW 2018: 15th Workshop on Algorithms and Models for the Web Graph, Dolgoprudny, Russia, May, 2018.
49. The 8th International Conference on Network Analysis, Moscow, Russia, May, 2018.
50. The Second All-Russian Interdisciplinary Conference “Sociophysics and Socioengineering”, Moscow, Russia, May, 2018.
51. The Third Workshop on Critical and collective effects in graphs and networks, Eindhoven, Netherlands, June, 2018.
52. The Second Russian-Hungarian Combinatorial Workshop, Budapest, Hungary, June, 2018.
53. BDC 2018: Big Data Conference 2018, Moscow, Russia, September, 2018.
54. Discrete Mathematics Section at the Moscow Institute of Physics and Technology conference, Dolgoprudny, Russia, November, 2018.
55. All-Russian conference Mathematical talent and mathematical education, Maykop, Russia, December, 2018.
56. All-Russian conference Extremal Combinatorics and Combinatorial Geometry, Maykop, Russia, December, 2018.
57. International Conference on graphs, networks, and their applications, Dolgoprudny, Russia, May, 2019.
58. The 9th International Conference on Network Analysis, Moscow, Russia, May, 2019.

59. The Third Russian-Hungarian Combinatorial Workshop, Dolgoprudny, Russia, May, 2019.
60. X International Petrozavodsk conference “Probabilistic Methods in Discrete Mathematics”, Petrozavodsk, Russia, May, 2019.
61. Invited minisymposium “Computational methods in industrial mathematics” at The 7th biennial Canadian Discrete and Algorithmic Mathematics Conference (CanaDAM), Vancouver, Canada, May, 2019.
62. Russian Workshop on Complexity and Model Theory (international conference), Dolgoprudny, Russia, June, 2019.
63. International Conference “Transcendence and Diophantine Problems”, Dolgoprudny, Russia, June, 2019.
64. International Conference “Mathematical Physics, Dynamical Systems and Infinite-Dimensional Analysis”, Dolgoprudny, Russia, June, 2019.
65. Russian Association of Artificial Intelligence Summer School 2019 (international school in AI), Dolgoprudny, Russia, July, 2019.
66. WAW 2019: 16th Workshop on Algorithms and Models for the Web Graph, Brisbane, Australia, July, 2019.
67. 25th INTERNATIONAL CONFERENCE on Computational Linguistics and Intellectual Technologies (DIALOGUE 2019), Moscow, Russia, May, 2019.
68. BIG DATA and AI CONFERENCE 2019, Moscow, Russia, September, 2019.
69. X International Conference Optimization and Applications (OPTIMA-2019), Petrovac, Montenegro, September 30 - October 4, 2019.
70. Worksop on Optimization and applications, Dolgoprudny, Russia, September, 2019.
71. Workshop on Open Problems in Combinatorics and Geometry, Dahovskaya, Adyghe Republic, Russia, October, 2019.
72. Autumn Mathematical Readings in Adygea, Maykop, Adyghe Republic, Russia, October, 2019.
73. IX International Conference “Mathematical Education at School and University”, MATHEDU, Kazan, Russia, October, 2019.
74. Conference “Computational Mathematics and its Applications”, Dolgoprudny, Russia, November, 2019.
75. International Workshop on Complex Networks, Dolgoprudny, Russia, November, 2019.
76. The All-Russian Conference “IT-education in Russia”, Moscow, Russia, May, 2020 (held online due to COVID 19).
77. International Conference “Combinatorics and Geometry Days II”, Dolgoprudny, April, 2020 (held online due to COVID 19).
78. 10th International Conference on Network Analysis, Nizhniy Novgorod, June, 2020 (held online due to COVID 19).

79. BIG DATA and AI CONFERENCE 2020, Moscow, Russia, September, 2020 (held online due to COVID 19).
80. XI International Conference “Optimization and Applications (OPTIMA-2020)”, Moscow, Russia, September–October, 2020 (held online due to COVID 19).
81. International Conference “Probabilistic Combinatorics Online 2020”, September–October, 2020 (held online due to COVID 19).
82. Workshop on Open Problems in Combinatorics and Geometry II, Adygea, September 28 - October 4, 2020 (held online due to COVID 19).
83. All-Russian Conference “IT-education in contemporary world”, Moscow, October 23 - October 24, 2020 (held online due to COVID 19).
84. 3rd All-Russian conference Mathematical talent and mathematical education, Maykop, Russia, December, 2020.
85. The First China and Russia Topology and Combinatorics Conference, Moscow–Shenyang, China–Russia, March, 2021 (held online due to COVID 19).
86. Workshop “Important problems of mathematical modelling in geophysics and biomedicine”, Moscow, Russia, April, 2021 (held online due to COVID 19).
87. XIII Summer School on Operations Research, Data, and Decision Making, Nizhniy Novgorod, Russia, May, 2021 (held online due to COVID 19).
88. Moscow Conference on Combinatorics and Applications, Moscow, Russia, May - July - September, 2021 (held online due to COVID 19).
89. International Conference “Mathematical Physics, Dynamical Systems and Infinite-Dimensional Analysis”, Dolgoprudny, Russia, June - July, 2021 (held online due to COVID 19).
90. International Conference “Optimization without borders”, Russia, Sochi, July, 2021.
91. Summer school “Summer research students program”, Dolgoprudny, Russia, July - August, 2021.
92. Section “Combinatorics and Geometry” at the conference of international mathematical centers of Russia, Russia, Sochi, August, 2021.
93. World Congress on Global Optimization, WCGO 2021, Athens, Greece, July, 2021.
94. Autumn Mathematical Readings in Adygea, Maykop, Adyghe Republic, Russia, October, 2021.

18 Books

1. A.M. Raigorodskii, *Coloring problems*, Moscow Centre for Continuous Mathematical Education (MCCME), 2020, Moscow, Russia, (book in Russian).
2. A.M. Raigorodskii, *Models of the Internet*, Second Edition, Intellect, Dolgoprudny, 2019 (book in Russian).
3. A.A. Glibichuk, D.G. Ilyinskii, D.V. Musatov, A.M. Raigorodskii, A.A. Chernov, *Basics of combinatorics and number theory*, Second Edition, Intellect, Dolgoprudny, 2019 (book in Russian).

4. N. Litvak, A. Raigorodskii, *Who needs mathematics? A simple book on how the digital world is done*, Mann, Ivanov and Faber, 2018, Second Edition (book in Russian).
5. N. Litvak, A. Raigorodskii, *Who needs mathematics? A simple book on how the digital world is done*, Mann, Ivanov and Faber, 2017 (book in Russian).
6. A.A. Glibichuk, A.B. Dainiak, D.G. Ilyinskii, A.B. Kupavskii, A.M. Raigorodskii, A.B. Skopenkov, A.A. Chernov, *Elements of discrete mathematics in solving problems*, Moscow Centre for Continuous Mathematical Education (MCCME), Moscow, Russia, 2016 (book in Russian).
7. A.M. Raigorodskii, *Models of random graphs*, Moscow Centre for Continuous Mathematical Education (MCCME), Moscow, Russia, 2016 (book in Russian), Second Edition.
8. A.A. Glibichuk, D.G. Ilyinskii, D.V. Musatov, A.M. Raigorodskii, A.A. Chernov, *Basics of combinatorics and number theory*, Intellect, Dolgoprudny, 2015 (book in Russian).
9. A.M. Raigorodskii, *Linear algebra in combinatorics*, Second Edition, Moscow Centre for Continuous Mathematical Education (MCCME), Moscow, Russia, 2015 (book in Russian).
10. A.M. Raigorodskii, *Probability and algebra in combinatorics*, Third Edition, Moscow Centre for Continuous Mathematical Education (MCCME), Moscow, Russia, 2015 (book in Russian).
11. A.M. Raigorodskii, *The chromatic numbers*, Second Edition, Moscow Centre for Continuous Mathematical Education (MCCME), Moscow, Russia, 2015 (book in Russian).
12. A.M. Raigorodskii, *Borsuk's problem*, Second Edition, Moscow Centre for Continuous Mathematical Education (MCCME), Moscow, Russia, 2015 (book in Russian).
13. A.M. Raigorodskii, *Models of the Internet*, Intellect, Dolgoprudny, 2013 (book in Russian).
14. A.M. Raigorodskii, *Combinatorics and Probability Theory*, Intellect, Dolgoprudny, 2013 (book in Russian).
15. A.M. Raigorodskii, *Combinatorics and Probability Theory*, Moscow Institute of Physics and Technology, Dolgoprudny, 2012 (book in Russian).
16. A.M. Raigorodskii, *Extremal problems of graph theory and the Internet*, Intellect, Moscow, Russia, 2012 (book in Russian).
17. A.M. Raigorodskii, *Models of random graphs*, Moscow Centre for Continuous Mathematical Education (MCCME), Moscow, Russia, 2011 (in Russian).
18. A.M. Raigorodskii, *The Kneser conjecture and the topological method in combinatorics*, Moscow Centre for Continuous Mathematical Education (MCCME), Moscow, Russia, 2011 (in Russian).
19. A.M. Raigorodskii, *Probability and algebra in combinatorics*, Moscow Centre for Continuous Mathematical Education (MCCME), Moscow, Russia, 2010, Second Edition (in Russian).
20. A.M. Raigorodskii, *Extremal problems of graph theory and the data analysis*, Regular and Chaotic Dynamics, Moscow, Russia, 2009 (in Russian).
21. A.M. Raigorodskii, *Systems of common representatives in combinatorics and their applications to geometry*, Moscow Centre for Continuous Mathematical Education (MCCME), Moscow, Russia, 2009 (in Russian).

22. A.M. Raigorodskii, *Triangles of Danzer–Grünbaum*, Moscow Centre for Continuous Mathematical Education (MCCME), Moscow, Russia, 2009 (in Russian).
23. A.M. Raigorodskii, *Probability and algebra in combinatorics*, Moscow Centre for Continuous Mathematical Education (MCCME), Moscow, Russia, 2008 (in Russian).
24. A.M. Raigorodskii, *The linear algebra method in combinatorics*, Moscow Centre for Continuous Mathematical Education (MCCME), Moscow, Russia, 2007 (in Russian).
25. A.M. Raigorodskii, *Borsuk's problem*, Moscow Centre for Continuous Mathematical Education (MCCME), Moscow, Russia, 2007 (in Russian).
26. A.M. Raigorodskii, A.V. Savvateev, I.D. Shkredov, *Combinatorics (Lectures for Bio-engineering Faculty of Lomonosov Moscow State University)*, MAX-PRESS, Moscow, Russia, 2005 (in Russian).
27. A.M. Raigorodskii, *The chromatic numbers*, Moscow Centre for Continuous Mathematical Education (MCCME), Moscow, Russia, 2003 (in Russian).