

## A. Snigirev

### Invited talks

1. A. Snigirev, "*X-ray Microprobe and Microimaging Techniques Based on Bragg-Fresnel Optics*", Workshop on X-ray microbeam techniques and applications, 17 July 1994, Stony Brook, USA.
2. A. Snigirev, "*The Recent Development of Bragg-Fresnel Optics. Experiments and Applications at the ESRF*", International Conference "Synchrotron Radiation Instrumentation" (SRI-94), 18-22 July 1994, Brookhaven, USA.
3. A. Snigirev, "*Development of Bragg-Fresnel Crystal Optics for X-ray Microdiffraction and Microimaging at the ESRF*", XY European Crystallographic Meeting (ECM-15), 28 August-2 September 1994, Dresden, Germany.
4. A. Snigirev, "*Status of Bragg-Fresnel Optics Project at the ESRF. Tests and applications*", International Workshop on X-ray imaging, 22-24 March 1995, Wako, Saitama, Japan.
5. A. Snigirev, "*Bragg-Fresnel Optics: A Novel Technique for X-ray microfocusing*", Workshop on Methods and Applications of Curved Crystal X-ray Optics, 22-24 May 1995, Grenoble, France.
6. A. Snigirev, "*Bragg-Fresnel Optics at the ESRF*", Workshop on Bragg-Fresnel Optics, 29-30 May 1995, Grenoble, France.
7. A. Snigirev, "*Bragg-Fresnel Optics at the ESRF: Microdiffraction and Microimaging Applications*", SPIE's International Symposium on Optical Science, Engineering, and Instrumentation, 9-14 July 1995, San Diego, USA.
8. A. Snigirev, "*Bragg-Fresnel Optics for High Energy X-ray Microprobe and Microimaging Techniques at the ESRF*", 5th International Conference on Biophysics and Synchrotron Radiation, 21-25 August 1995, Grenoble, France, 1995.
9. A. Snigirev, "*Bragg-Fresnel Optics*", Seminar Daniel Dautreppe, 18-22 September 1995, Centre St. Hugues, Biviers, France.
10. A. Snigirev, "*Bragg-Fresnel Optics*", International Workshop on Scattering Experiments with High Energy Synchrotron Radiation, 29 October-1 November 1995, Schwerin/Hamburg, Germany.
11. A. Snigirev, "*Phase Contrast Imaging Using High Energy X-rays. Possible Applications in Microtomography*", Workshop on X-ray Tomography by phase contrast, 8 December 1995, Grenoble, France.
12. A. Snigirev, "*The ESRF High Energy X-ray Microscopy Beamline for Microfluorescence, Microimaging and Microdiffraction*", International Congress PACIFICHEM'95, 17-22 December 1995, Hawaii, USA.
13. A. Snigirev, "*Hard X-ray Microscopy with Coherent Light: Holography, Phase Contrast and Interferometry*", 10th ICFA Beam Dynamics Panel Workshop "4th Generation Light Sources", 22-25 January 1996, Grenoble, France.
14. A. Snigirev, "*X-ray Imaging with Coherent Light*", Discussion meeting on the Å-XFEL, Scientific Perspectives, 15 February 1996, DESY, Hamburg, Germany.
15. A. Snigirev, "*High Energy X-ray Microscopy Techniques with Coherent Synchrotron Radiation*", 3rd European Symposium X-Ray Topography and High Resolution Diffraction, 22-24 April 1996, Palermo, Italy.
16. A. Snigirev, "*Bragg-Fresnel Optics for High Resolution X-ray Diagnostic Techniques at the ESRF*", Synchrotron Radiation Satellite meeting of International Union of Crystallography, 4-7 August 1996, Argonne National Laboratory, Argonne, USA.
17. A. Snigirev, "*Phase Contrast Imaging and Microtomography with Coherent Hard X-rays*", Synchrotron Radiation Satellite meeting of International Union of Crystallography, 4-7 August 1996, Argonne National Laboratory, Argonne, USA.
18. A. Snigirev, "*Coherent Properties of the Third Generation Synchrotron Radiation Sources: Requirements to the Optics*", SPIE's International Symposium on Optical Science, Engineering, and Instrumentation, 4-9 August 1996, Denver, USA.

19. A. Snigirev, "*Bragg-Fresnel Optics: New Field of Applications*", High Resolution CMT Workshop, 12-13 August 1996, Berkeley LBNL, USA, 1996.
20. A. Snigirev, "*Imaging with Coherent Radiation*", International Workshop on X-ray Free Electron Laser Applications, 16-17 September 1996, Hamburg, Germany.
21. A. Snigirev, "*Status of high energy x-ray microoptics at the ESRF*", Workshop SOLEIL Microfocalisation et Spectromicroscopies, 29-30 April 1997, LURE, Orsay, France.
22. A. Snigirev, "*Third generation synchrotron radiation sources: new possibilities, pleasant unexpectedness and unforeseen inconvenience*", Russian National conference on Application of synchrotron radiation, neutrons and electrons in material science, 25-29 May 1997, Dubna, Russia.
23. A. Snigirev, "*Coherent high energy X-ray optics: new possibilities in imaging and microbeam applications at the ESRF*", Swiss Light Source seminar, 6 June 1997, PSI, Villigen, Switzerland.
24. A. Snigirev, C. Raven, V. Kohn, A. Koch, "*High resolution phase contrast tomography with coherent synchrotron radiation*", SPIE conference "Development in X-ray Tomography", 28-29 July 1997, San Diego, USA.
25. A. Snigirev, "*New possibilities in X-ray optics and techniques with coherent high energy synchrotron radiation*", SPIE conference "Coherent Electron Beam X-Ray Sources: Techniques and Applications", 31 July-1 August 1997, San Diego, USA.
26. A. Snigirev, "*Phase contrast imaging techniques with coherent high energy X-rays*", Gordon conference on X-ray Physics, 3-8 August 1997, New Hampshire, USA.
27. A. Snigirev, "*Phase contrast imaging techniques with coherent high energy X-rays*", 17th European Crystallography Meeting, 24-28 August 1997, Lisbon, Portugal.
28. A. Snigirev, "*New possibilities in X-ray imaging techniques with high energy synchrotron radiation: applications in biology and medicine*", Workshop "Synchrotron radiation for biology and medicine", 13-14 November 1997, Paris, France.
29. A. Snigirev, "*Coherent high energy x-ray optics: new possibilities in imaging and diffraction techniques*", Conference "Highlights in X-ray Synchrotron Radiation Research", 17-20 November 1997, Grenoble, France.
30. A. Snigirev, "*High energy X-ray optics for third generation synchrotron radiation sources: New requirements and new possibilities*", The All-Russian Workshop on X-ray Optics, 23-26 February 1997, Nizhny Novgorod, Russia.
31. A. Snigirev, "Coherent X-ray optics for imaging and diffraction techniques", Association Francaise de Cristallographie, 24-27 February 1998, Orleans, France
32. A. Snigirev, "*Coherence at the 3d Generation Sources: New Possibilities in X-ray Holography and interferometry, Requirements to the Optics*", First BESSY WS on Modern Developments in the Field of VUV and Low-Energy X-ray Optics for Synchrotron Radiation Instrumentation, 15-16 June 1998, Berlin-Adlershof, Germany.
33. A. Snigirev, "*Coherence at Third Generation SR Sources: Unforeseen Inconveniences, Pleasant Surprises and New Possibilities*", 1st International SLS Workshop on Synchrotron Radiation, 1-5 August 1998, Ascona, Switzerland.
34. I. Snigireva and A. Snigirev, "*High Energy X-ray Optics for Microanalysis: Microfluorescence, Imaging and Diffraction Using Coherent Synchrotron Radiation*", 15th International Congress on X-ray Optics and Microanalysis, 24-27 August 1998, Antwerpen, Belgium.
35. A. Snigirev, "*High Energy X-ray Microscopy: micro-fluorescence, imaging and diffraction using coherent synchrotron radiation*", 4th European Conference on High Resolution X-ray Diffraction and Topography, 9-11 September 1998, Durham, England.
36. A. Snigirev, "*Imaging and Diffraction with Coherent High Energy X-Rays*", Seminaire Daniel Dautreppe, Coherence et Decoherence en Physique, 14-18 September 1998, Centre St. Hugues, Biviers, France.
37. A. Snigirev, "*Hard X-ray microscopy: micro-diffraction, imaging and spectroscopy with coherent synchrotron radiation*", 8th Annual fibre Diffraction and Non-Crystalline Diffraction Workshop, 15-17 June 1999, St. Andrews, U.K.
38. A. Snigirev, "*Present Status of High Energy X-ray Microscopy and Recent*

*Applications at the ESRF*”, Australian International Symposium on Analytical Science, 4-9 July 1999, Melbourne, Australia.

39. A. Snigirev, “*High Energy X-ray Microscopy for Minerals*”, Synchrotron Radiation Techniques in Minerals Research and Technology Workshop, 8 July 1999, CSIRO, Clayton, Australia.

40. A. Snigirev, “*High Energy X-ray Microoptics for Diffraction, Imaging and Spectroscopy*”, 18th International Union of Crystallography Congress, 4-13 August 1999, Glasgow, U.K.

41. A. Snigirev, “*Coherent Imaging with FEL*”, Workshop on Future Linear Colliders, 23-26 September 1999, Lund, Sweden.

42. A. Snigirev, “*Coherent X-ray Imaging*”, Inauguration of the Kurchatov Synchrotron Radiation Source, 9-10 March 2000, Moscow, Russia.

43. A. Snigirev, “*High Energy X-ray Microscopy: Present Status and Recent Applications at the ESRF ID22 Beamline*”, 8th International Symposium on Experimental Mineralogy, Petrology and Geochemistry, 16-19 April 2000, Bergamo, Italy.

44. A. Snigirev, “*Coherent imaging with high energy synchrotron radiation*”, 7th International Conference on Synchrotron Radiation Instrumentation (SRI-2000), 21-25 August 2000, Berlin, Germany.

45. A. Snigirev “*X-Ray Optics for Third Generation Sources*”, SR User Meeting -2000, Daresbury Laboratory, 12-13 September 2000, Daresbury, U.K.

46. A. Snigirev “*Hard X-ray Imaging Using Coherent Synchrotron Radiation*” Harima International Forum on New Aspect of X-Ray Imaging Technology with Synchrotron Radiation - Present Status and Future Possibility, 11-14 July 2001, Harima, Japan.

47. A. Snigirev, “*High-energy x-ray tomographic microscopy using coherent synchrotron Radiation*”, SPIE, conference 4503 “Developments in X-ray Tomography III”, 29 July-3 August 2001, San Diego, USA.

48. A. Snigirev, “*Diamond refractive lens for hard X-ray focusing*”, SPIE conference “Design and Microfabrication of novel X-ray Optics”, July 2002, Seattle, USA.

49. A. Snigirev, “*Development of Hard X-ray Optics for Synchrotron Radiation*”, 14th International Synchrotron Radiation Conference (SR-2002), 15-19 July 2002, Novosibirsk, Russia.

50. A. Snigirev, “*X-ray microfocusing: techniques and applications*”, Microsymposia “New X-ray Sources and Optics”, IUCr-2002, 6-15 August 2002, Geneva, Switzerland.

51. A. Snigirev, “*X-Ray Optics and Imaging*”, 6th Euroconference on Environmental Analytical Chemistry, 18-22 October 2002, Peer, Belgium.

52. A. Snigirev “*X-ray Microfocusing: techniques and applications*” Annual Users Meeting CLS, 15-18 November 2002, Saskatoon, Canada.

53. A. Snigirev, “*Status of X-Ray Microoptics Development at the ESRF*”, MAX-IV user meeting, 8-9 October 2003, Lund, Sweden.

54. A. Snigirev, “*Status of X-Ray Microoptics Development at the ESRF*”, IV Russian National Conference on Applications of X-ray, Synchrotron, Neutrons and Electrons for Materials Research, RSNE, 17-22 November 2003, Moscow, Russia.

55. A. Snigirev, “*In-line diffractive-refractive microfocusing optics at the ESRF*”, X-Ray Optics Workshop, Nanophysics and Nanotechnology Conference, 2-6 May 2004, Nizhny Novgorod, Russia.

56. B. Lengeler, C. Schroer, M. Kuhlmann, B. Benner, T. Gunzler, O. Kurapova, F. Zontone, A. Snigirev, I. Snigireva, “*Beryllium parabolic refractive x-ray lenses*”, SPIE conference 5539 “Design and microfabrication of novel X-ray optics II”, 2-6 August 2004, Denver, USA.

57. A. Snigirev, “*Submicron- and nano-focusing of high energy X-ray synchrotron radiation at the ESRF*” 2nd International Conference on X-ray and Neutron Capillary Optics, 22-26 September 2004, Zvenigirod, Russia.

58. A. Snigirev, “*Diffractive-refractive microoptics: Pathways to X-ray nanofocusing*”, MAX-4 Nanofocusing Workshop, January 2005, Lund, Sweden.

59. A. Snigirev, “*X-ray Compound refractive optics*”, Nanophysics and Nanoelectronics Symposium, 25-30 March 2005, Nizhny Novgorod, Russia.

60. I. Snigireva, A. Snigirev, "*X-ray microanalytical techniques based on synchrotron radiation*", 5th International Symposium on Modern Principles of Air Monitoring (AIRMON-2005), 12-16 June 2005, Loen, Norway.
61. A. Snigirev, "*Where are we after the decade-long renaissance in X-ray imaging?*", 54th Annual Denver X-ray Conference, 1-5 August 2005, Colorado Springs, USA.
62. A. Snigirev, "*Recent progress in development of high energy in-line refractive and diffractive optics at the ESRF*", ICXOM-2005, 25-30 September 2005, Frascati, Italy.
63. A. Snigirev, "*Recent progress in the development of high energy in-line refractive and diffractive optics at the ESRF*", Soleil seminar, 21 October 2005, Orsay, France.
64. Anatoly Snigirev, "*Submicrometer hard X-ray focusing using a single-bounce ellipsoidal capillary combined with a Fresnel zone plate*", 16-18 November 2006, Cost action P7 Meeting, Paris, France.
65. A. Snigirev, "*Development of High Energy X-ray In-line Refractive and Diffractive Optics at the ESRF: Pathways for Nanofocusing*", talk is given at 2 seminars: NSLS-II seminar and NSLS Lunch-time seminar, 27-28 April 2006, BNL, Brookhaven, USA
66. A. Snigirev, "*Compound refractive lenses at the ESRF*", Meeting on Nano-focusing Optics and Round Table Discussion on Diamond Crystals, 6-7 March 2006, ESRF, Grenoble, France
67. A. Snigirev, *Pathways for "X-ray Nanometer Focusing: what are the Scientific Opportunities"*, ERL Workshop on New Science Opportunities with Nanometer-Sized X-ray Beams, 23-24 June 2006, CHESS, Cornell University, USA.
68. A. Snigirev, "*In-line Diffractive and Refractive Optics for High Energy X-ray Focusing*" PETRA III High Energy Beamline Workshop 30 June 2006, HASYLAB, DESY, Hamburg, Germany.
69. Anatoly Snigirev, "*Submicrometer hard X-ray focusing using a single-bounce ellipsoidal capillary combined with a Fresnel zone plate*", November 2006, Cost Meeting, Paris, France.
70. A. Snigirev, plenary talk, "*Status and perspectives of the hard X-ray optics development with nanometer resolution*", 6th National Conference on Application of X-rays, Synchrotron Radiation, Neutrons and Electrons for Investigations of Materials (RSNE-2007), 12-17 November 2007, Moscow, Russia.
71. A. Snigirev, "*Hard X-ray microoptics: Pathways for nanofocusing and Nano microscopy*", Milano University, Physics Colloquia, February 26, 2008.
72. A. Snigirev, "*X-ray Optics*", 17th International Synchrotron Radiation Conference (SR-2008), 15-18 June 2008, Novosibirsk, Russia.
73. A. Snigirev, "*Hard X-ray microoptics development at the ESRF: Hard ways to nanometer resolution*", X-ray Optics WS, 6-9 October 2008, Chernogolovka, Russia.
74. A. Snigirev, "*Recent Developments in X-ray Micro-optics and Progress Report on the Microoptics Test Bench at the ESRF*", Diamond Friday Seminar, 12 December 2008, Diamond Light Source, Didcot, England.
75. A. Snigirev, "*Status of Hard X-ray Optics for Nano-meter Resolution*", The XIII Nanophysics and Nanoelectronics Symposium, 16-20 March 2009, Nizhny Novgorod, Russia.
76. A. Snigirev, "*X-ray coherence characterization*", X-ray Micro and Nanoprobes (XMNP 2009), 14-22 June 2009, Palinuro, Italy.
77. A. Snigirev, "*X-ray refractive optics for nanofocusing*", International Conference on Diffuse X-ray Scattering, 1-5 September, 2009, Alushta, Crimea, Ukraine.
78. A. Snigirev, "*Hard problems in Hard X-ray Refractive-Diffractive Optics*", X-ray Optics Workshop: "Challenging problems in X-ray Optics", SRI conference, 29 September – 2 October 2009, Melbourne, Australia.
79. A. Snigirev, "*Refractive X-Ray Optics for Nanofocusing*", Annual meeting of the Optical Society of America, Frontiers in Optics 2009, 11-15 October 2009, San Jose, California, USA.
80. A. Snigirev, "*Coherent Optics for Hard X-ray Applications*", International Conference on Hard X-ray Coherent Optics, 26-30 October 2009, Meghri, Armenia.
81. A. Snigirev, "*X-Ray Refractive Optics for Micro- and Nano-focusing*", WS on Micro-

and nano focusing beamlines: prerequisites, MAX-Lab User's Meeting, 2-4 November 2009, Lund, Sweden.

82. A. Snigirev, 4 lectures on "*Hard X-ray Coherent Optics*", Russian Dynasty Foundation grant, Moscow State University, 16-25 November 2009, Moscow, Russia.

83. A. Snigirev, "*Coherent hard X-ray optics: new possibilities for 4-th generation sources*", XVIII International Synchrotron Radiation Conference (SR-2010), 19-23 July 2010, Novosibirsk, Russia.

84. A. Snigirev, "*Characterization of Hard X-ray Coherence*", International Workshop on X-ray Diagnostics and Scientific Application of the European XFEL, 14-17 February 2010, Ryn, Poland.

85. A. Snigirev, "*Development of X-ray Refractive Optics at the ESRF*", NSLS-II Seminar, 29 March 2010, Brookhaven, USA.

86. A. Snigirev, I. Snigireva, V. Kohn, S. Kuznetsov, V. Yunkin, "*In-line X-ray interferometers based on planar refractive lenses*", X-ray Topography Conference (XTOP-2010), 20-23 September 2010, Warwick, U.K.

87. A. Snigirev, "*Coherent X ray Optics Based on Refractive Lenses*", Winter School of Synchrotron Radiation, January 31-4 February 2011, Liptovsky Jan, Slovakia

88. A. Snigirev "*15 years of X ray Refractive Optics*", Cost Action MP0601, 16-18 November 2011, Paris, France.

89. A. Snigirev "*X-ray Refractive Optics: goals, challenges, and research opportunities*" SPIE Conference OP322: "Advances in Computational Methods for X-Ray Optics II", 21-25 August, 2011, San Diego, USA.

90. A. Snigirev, "*X-ray transfocators: tunable devices based on refractive optics*", SPIE Europe, Conference 8076, EUV and X-ray Optics: Synergy between Laboratory and Space, 20-21 April 2011, Prague, Czech Republic.

91. A. Snigirev, "*X-ray refractive optics: from the classical optics to the new x-ray experimental techniques*", 46th School on Condensed Matter Physics, 12-17 March 2012, St. Petersburg, Russia.

92. A. Snigirev, "*High resolution X-ray microoptics: pathways for nano-resolution*", Baltic School on Solid State Physics and Magnetism, 11-18, August 2012, Kaliningrad, A. Snigirev, "*High energy X-ray microscopy techniques: new possibilities for nano- diagnostics*", Baltic School on Solid State Physics and Magnetism, 11-18 August 2012, Kaliningrad, Russia.

93. Irina Snigireva and Anatoly Snigirev, "*Coherent X-ray Microscopy of Mesoscopic Photonic Crystals*", X-Ray Topography Conference (XTOP-2012), 15-20 September 2012, St. Petersburg, Russia.

94. A. Snigirev, "*ESRF 02: new optics for the new storage ring*", 47th Condensed Matter Physics School, 11-16 March 2013, Zelenogorsk, St. Petersburg, Russia.

95. A. Snigirev, "*X-ray microscopy techniques based on refractive optics*", 2013- MRS Spring Meeting, 1-5 April 2013, San Francisco, USA.

96. I. Snigireva and A. Snigirev, "*Coherent high energy X-ray microscopy: a new tool to study mesoscopic materials*", 38th Colloquium Spectroscopicum Internationale, 16-20 June 2013, Tromso, Norway.

97. A. Snigirev, "*X-ray refractive optics at the ESRF: status and challenges*", 6th International Scientific Seminar: Actual methods of the diffraction data analysis and problems of X-ray optics, 19-27 August 2013, Boat St. Petersburg –Yaroslavl, Russia.

98. A. Snigirev, "*X-ray refractive optics: status and future perspectives*", Merged Symposium "Meghri-13" and "RREPS-13", 23-28 September 2013, Lake Sevan Armenia.

99. A. Snigirev, "*Synchrotron sources of 4th generation. European Synchrotron Radiation Facility – ESRF*", II International Baltic school "Methods and Instruments of the X-ray investigations", 3-7 October 2013, Kaliningrad, Russia.

100. A. Snigirev, "*X-ray Optics for future 4th generation synchrotrons*", 48th School on Condensed Matter Physics, 10-15 March 2014, St Petersburg, Russia.

101. A. Snigirev, "*Refractive X-ray Optics: Success Story at 3rd Generation Synchrotrons and Promising Future for New 4th Generation X-ray Sources*", International Conference "Science of the Future", 16-21 September 2014, St. Petersburg, Russia.

102. A. Snigirev, "New Coherent Diffraction and Imaging Techniques Based on In-line X-ray Refractive Optics", The International Joint School "Smart Materials and X-ray Optics. Modeling, Synthesis and Diagnostics", 21-25 September 2014, Baltic Federal University, Kaliningrad, Russia.

103. A. Snigirev, "High energy X-ray optics: latest developments and applications", The International Joint School "Smart Materials and X-ray Optics. Modeling, Synthesis and Diagnostics", 26-30 September 2015, South Federal University, Rostov on Don, Russia.

104. A. Snigirev, "20 years of X-ray refractive optics. New promising perspectives for diffraction limited X-ray sources", International conference on X-ray optics, detectors, sources and their applications, 18-20 May, Yokohama, Japan.

105. A. Snigirev "20 years of X-ray refractive optics: Status and New opportunities for diffraction limited X-ray sources". International Conference "Synchrotron and Free electron laser Radiation: generation and application" (SFR-2016), 4-7 July 2016 Budker INP, Novosibirsk, Russia.

106. A. Snigirev "Hard X-ray Micro-optics for new 3d and 4th generation sources: latest developments and applications". Young scientists school: Nanocarbon for optics and electronics, July 24 - 29, 2016 Kaliningrad, Russia.

107. A. Snigirev "Development of X-ray refractive optics. New promising perspectives for diffraction limited 4-th generation X-ray sources" 2nd International Scientific Conference Science of the Future, 2016 September 20-23, Kazan, Russian Federation.

108. A. Snigirev "20 years of X-ray refractive optics: Status and New opportunities for diffraction limited X-ray sources" The International Joint School "Smart Nanomaterials and X-ray Optics 2016. Modeling, Synthesis and Diagnostics" and The international Workshop "20 years of X-Ray Optics: Conditions and Prospects" October 12-16, 2016, Kaliningrad, Russia.

109. A. Snigirev "20years of x-ray Refractive Optics - Perspectives for MeV Light Sources» Nuclear Photonics 2016, October 16-21, 2016, Monterey, California USA.

110. A. Snigirev "Coherent X-Ray refractive optics for new diffraction limited X-Ray sources" The First Russian Crystallographic Congress, 21-26 November 2016, Moscow.

111. A. Snigirev "X-ray refractive optics for new fourth generation X-ray sources», XXI Symposium "Nanophysics and Nanoelectronics» 13-16 March 2017, Nizhny Novgorod.

112. A. Snigirev "X-ray in-line interferometers based on refractive optics" International Conference on X-ray Optics and Applications (XOPT'17) 18-21 April 2017 Yokohama, Japan.

113. A. Snigirev "Latest developments of x-ray refractive optics for coherent applications", invited talk 10388-20, SPIE, 6 - 10 August, San-Diego, California, United States.

114. A. Snigirev, "Development of high energy X-ray microscopy for material research", invited talk, abstract book 20, International Baltic Conference on Magnetism (IBCM), 20-24 August 2017, Svetlogorsk, Kaliningrad region, Russia.

115. A. Snigirev "Development of X-ray refractive optics for new diffraction limited X-ray sources" invited talk, 24 th International Congress on X-ray Optics and Microanalysis (IXCOM24) 25-29 September 2017, Trieste, Italy.

116. A. Snigirev "Coherent X ray Optics Based on Refractive Lenses", invited talk on 30th School-symposium on holography, coherent optics and photonics, October 2-6, 2017, Kaliningrad, Russia.

117. A. Snigirev "Promising X-Ray optics for third and fourth generation sources" abstract book p. 73-74, "Kurchatov Complex for Synchrotron and Neutron Investigations user's meeting" 20-23 November 2017, Moscow, Russia.

118. Snigirev A. "Beam size diagnostics using x-rays imaging and interferometry" Invited talks, Topical Workshop on "Emittance Measurements for Light Sources and FELs", which will be held at ALBA Synchrotron from January 29 - 30, 2018, Barcelona, Spain.

119. A. Snigirev "Coherent X-Ray optics for fourth generation synchrotrons" invited talk, Nanophysics and Nanoelectronics, XXII International symposium, 11-14 March, 2018, Nizhny Novgorod, Russia.

120. Snigirev A. "X-ray refractive beam-conditioning and beam-shaping optics for coherent microscopy applications" Invited talks XOPT2-1 2. International Conference on X-ray Optics and Applications 2018(XOPT2018) 23-27 April, 2018, Yokohama, Japan.

121. Anatoly Snigirev *"Applications of X-ray refractive optics for fourth generation synchrotrons"* Invited talks, A4: X-ray Optics (I), 13th International Conference on Synchrotron radiation Instrumentation (SRI 2018), 11-16 June, 2018, Taipei, Taiwan.

122. Anatoly Snigirev *"X-ray Microscopy Opportunities at ID 15B Beamline at the ESRF"*, International Conference on X-ray Microscopy (XRM2018), 19-24, August, 2018 Saskatoon, Saskatchewan, Canada.

123. Snigirev Anatoly *"Development of X-ray coherent optics for fourth generation synchrotrons and XFELs"* Invited talks, Synchrotron and Free electron laser Radiation: generation and application (SFR-2018) June 25 - 28, 2018 Budker INP Novosibirsk, Russia.

124. Snigirev Anatoly *"Development of coherent X-ray optics and its applications at the IKBFU"* The International School on XFEL: Science and Instrumentation 10-12 October, 2018. Gdansk, Poland.

125. Anatoly Snigirev *"On the IKBFU participation in program of creating 4-th generation sources"*, talk at the school-seminar "4-th generation sources: Optics and Applications" 13-15 December 2018, Immanuel Kant BFU, FABRIKA science and technology park, Kaliningrad, Russia.

126. Anatoly Snigirev *"Coherent X-Ray optics, microscopy for advanced materials research applications"*, invited talk, III International Workshop on Electromagnetic Properties of Novel Materials, Skolkovo Innovation Center, 17-22 December 2018, Moscow, Russia.

127. Anatoly Snigirev, *"X-ray refractive optics: status, problems and prospects"* Plenary, XXIII Symposium "Nanophysics and Nanoelectronics" March, 11-14, 2019, Nizhny Novgorod, Russia.

128. Anatoly Snigirev Discussions on the development of modern X-ray optics for XFEL and diffraction-limited synchrotrons at the University of Osaka and the Synchrotron Radiation Center SPRING8 April 16-19, 2019, Japan

129. Anatoly Snigirev (Invited) *"Status of refractive optics development for diffraction-limited X-ray sources"*, XOPT-13-01, The International Conference on X-ray Optics and Applications (XOPT2019) as part of the Optics and Photonics International Congress 2019 (OPIC2019) April 23-25, 2019, Yokohama, Japan.

130. Anatoly Snigirev *"Development of X-ray microscopy methods for medical applications on modern coherent synchrotron sources"* III International Conference "Science of the Future" and IV All-Russian Forum "Science of the Future - Science of the Young" May 14-17, 2019. SIRIUS, Sochi, Russia.

131. Anatoly Snigirev *"X-ray refractive optics: status, problems and prospects"* invited talk at the scientific session of the Department of Physical Sciences of the Russian Academy of Sciences May 22, 2019, Moscow, Russia.

132. Anatoly Snigirev (Invited) *"Coherent X-ray optics and microscopy for advanced material research applications"*, XXIII All-Russian conference with international participation "X-ray and electron spectra and chemical bond" XESCB-23, October 1-4, Voronezh, Russia.

133. Anatoly Snigirev (Invited) *"Coherent X-ray optics and microscopy for advanced material research applications"*, The International Baltic Workshop 2019: Compact X-Ray Sources, technology, and application, November 19-20, Kaliningrad, Russia.

134. Снигирев, А. *"100+25 лет рентгеновским лучам: 25 лет с 3 поколением СИ. Что нам ждать от 4-го?"*, International Baltic School New Opportunities of MegaScience Facilities, приглашенный доклад, 2-6 ноября 2020, Калининград, Россия. Zoom

135. I. Snigireva, A. Snigirev *"Hard X-ray in-situ full-field microscopy for material science applications"*, OSA High-brightness Sources and Light-driven Interaction Congress (Virtual Meeting), Invited, 16-20 November, 2020. Zoom

136. A. Snigirev *"Synchrotron and XFEL studies"*, Invited lecturer for student's tutorial A. Snigirev (Member of International Program Committee (Scientific Advisory Committee)), International conference X-TOP, September 13-18, Minsk, Belorussia.

137. А. Снигирев *"Рентгеновская когерентная оптика: развитие методов прецизионной неразрушающей диагностики для исследования материалов"*, XXI Всероссийская школа-семинар по проблемам физики конденсированного состояния вещества (СПФКС-21) 18 Марта – 25 Марта 2021 г., г. Екатеринбург, Россия

138. А.А. Снигирев, *"25 лет преломляющей рентгеновской оптики: статус и новые возможности для источников 4-го поколения"*, на международном форуме Наука будущего - Наука молодых, 17-20 ноября 2021, Москва
139. А.А. Снигирев, *"25 лет рентгеновской преломляющей оптики: статус и перспективы"*, на конференции Современная рентгеновская оптика, 22-24 ноября 2021, Нижний Новгород
140. Снигирев А. *"25 лет рефракционной рентгеновской оптики: статус и перспективы развития"* XXVI международный симпозиум НАНОФИЗИКА И НАНОЭЛЕКТРОНИКА, 14-17 марта 2022 г., Нижний Новгород
141. Снигирев А, *"Рентгеновская оптика для жесткого и гамма излучения. рабочий семинар-совещание"* на рабочем семинаре-совещании «Комптоновские источники рентгеновского излучения, перспективы развития и применения», 7-8 июня 2022 г. Калининград (ZOOM)
142. A. Snigirev, *"25 years of x-ray refractive optics development – new opportunities for coherence related applications"* #143 SFR-2022, the International Conference "Synchrotron and Free electron laser Radiation: generation and application", (June 27), Novosibirsk, Russia (ZOOM)
143. Снигирев А. VII Всероссийский молодежный научный форум Наука будущего-наука молодых 23-26 августа 2022 г., г. Новосибирск
144. Снигирев А. *"Когерентная рентгеновская оптика и микроскопия для передовых применений в исследованиях материалов" / "Coherent X-ray optics and microscopy for advanced material research applications"* 16-я Международная конференция по модификации материалов с помощью пучков частиц и потоков плазмы в рамках VIII Международного конгресса по энергетическим потокам и радиационному воздействию (International Congress on Energy Fluxes and Radiation Effects, EFRE 2022) 2-8 октября 2022 г., Томск
145. Снигирев А. Участие во встрече российских научных групп по работе ускорительного комплекса "Супер С-тау Фабрика" 29-30 ноября 2022 г. в НИИЯФ МГУ г. Москва
146. Снигирев А. и Зверев Д. *"Разработка оптики для комптоновских источников жесткого рентгеновского и гамма-излучения"* выездное совещание совета РАН по фундаментальной ядерной физике "Детализации научной программы и технический облик комптоновского источника монохроматических гамма-квантов НЦФМ (ИКИ НЦФМ)" 20-21 марта 2023г. в Институте ядерной физики (ИЯФ) им. Г.И. Будкера СО РАН (г. Новосибирск).
147. Снигирев А. *"Рентгеновская преломляющая оптика: статус и применения"* и участие в обсуждении проекта "Разработка установки безмасочной рентгеновской литографии на основе микроэлектромеханической (МЭМС) динамической маски с использованием синхротронного и/или лазерноплазменного источника" в рамках Всероссийской межвузовской научно-технической конференции "Микроэлектроника и информатика – 2023" 20-21 апреля 2023 г. Москва, г. Зеленоград, НИУ МИЭТ
148. Снигирев А. участие в рабочем совещании по вопросу создания источника комптоновского излучения на базе НЦФМ, автономная некоммерческая организация (АНО) "Дирекция Национального центра физики и математики "(НЦФМ) 20-22 июня 2023г., г Москва