

Invited presentation in international conferences (国際会議招待講演)

1. M. Ohtsu, "Off-shell Science for Dressed Photons," Abstracts of the 13th Asia-Pacific Conference on Near-Field Optics (APNFO13), July 29-31, 2022, Sapporo, Hokkaido, Japan (also Online meeting), paper number PL29-A1.
2. M. Ohtsu, "High-power Silicon Light-emitting Diodes and Lasers by Dressed Photons," Proceedings and Abstract Book of the European Advanced Materials Congress (EAMC2018), August 20-23, 2018, Stockholm, Sweden, p.7.
3. T. Kawazoe and M. Ohtsu, "High power Si light emitting device using dressed photon," Abstract of the 7th Advanced Lasers and Photon Sources (ALPS2018), April 24-27, 2018, Yokohama, Japan, paper number ALPS9-G1-2.
4. M. Ohtsu, "New Routes to Future Studies of Dressed Photons", Abstracts of the 11th Asia-Pacific Conference on Near-Field Optics, July 10-13, 2017, Tainan, Taiwan, p.37.
5. M. Ohtsu, "Dressed Photon ---Concepts of off-shell photon and applications to light-matter fusion technology---," Abstracts of the Conf. on Mathematical quantum field theory and related topics, June 6-8, 2016, Fukuoka, Japan, paper number 4.
6. N. Tate, T. Kawazoe, S. Nakashima, W. Nomura, and M. Ohtsu, "Speckle reduction by using transmissive ZnO device based on dressed-photon-assisted optical modulation," Abstracts of the 22nd International Display Workshops, December 9-11, 2015, Otsu, Japan, PRJ3-1.
7. T. Kawazoe, N. Tate, and M. Ohtsu, "SiC magneto-optical current-transformer applicable to a polarization rotator using dressed photons," Abstracts of the 22nd International Display Workshops, December 9-11, 2015, Otsu, Japan, PRJ3-5L.
8. N. Tate, T. Kawazoe, S. Nakashima, W. Nomura, and M. Ohtsu, "Recent progress in dressed-photon-assisted electro-optical modulation," The 5th Korea-Japan Workshop on Digital Holography and Information Photonics (DHIP2015), September 17-19, 2015, Gangneung, Korea, p. 72.
9. M. Ohtsu, "Who has seen the optical near field?," Abstracts of the 10th Asia-Pacific Conference on Near-field Optics, July 7-10, 2015, Hakodate, Japan, p.43.
10. M. Ohtsu, "Dressed photon technology for silicon photon breeding devices," Proceedings of the Northern Optics & Photonics 2015, June 2-4, 2015, Lappeenranta, Finland, p.18.
[Plenary Talk]
11. Tadashi Kawazoe, Katsuhiko Nishioka, and Motoichi Ohtsu, "SiC light emitting diode and its polarization control using dressed photons," Proceedings of The International Display Workshops, Vol. 21, December 3-5, 2014, Niigata, Japan, pp. 1061-1063.
12. N. Tate, T. Kawazoe, and M. Ohtsu, "Giant-magneto-optic light modulator using p-n homojunction-structured ZnO crystal," Proceedings of The Fourth Japan-Korea Workshop on Digital Holography and Information Photonics, December 16-18, 2014, Okinawa, Japan, pp. 36-37.
13. N. Tate, T. Kawazoe, and M. Ohtsu, "Speckle Reduction by Current-Induced Magneto-Optical Effect Using P-type ZnO Device," Proceedings of The International Display Workshops, Vol. 21, December 3-5, 2014, Niigata, Japan, pp. 1090-1093.
14. M. Ohtsu, "Dressed photon technology," Core-to-Core Japan Workshop 2014 Nanoscale electron-photon interactions via energy dissipation and fluctuation, November 17, 2014, Tokyo, p. 4-5.

15. Naoya Tate, Makoto Naruse, Tadashi Kawazoe, and Motoichi Ohtsu, "Processing based on fluctuations in a nanometric space and corresponding optical applications in a macroscopic space," Proceedings of the 2014 International Symposium on Nonlinear Theory and its Applications (NOLTA2014), September 17, 2014, Luzern, p. 586-589.
16. M. Naruse, M. Aono, S.-J. Kim, N. Tate, and M. Ohtsu, "Near-Field Nanophotonics for Intelligent Information Functions," Proceedings of the 2014 International Symposium on Nonlinear Theory and its Applications (NOLTA2014), September 17, 2014, Luzern, p. 498.
17. M. Ohtsu, "Dressed Photon Technology," International Conference on Electronic Materials 2014 (IUMRS-ICEM2014), p.11, June 10-14, 2014, Taipei, Taiwan.
[Plenary talk]
18. N. Tate and M. Ohtsu, "Nanophotonic droplet: a novel optical device consists of autonomously-coupled quantum dots," Program & Abstracts of 2013 Energy Materials Nanotechnology Meeting (2013 EMN Fall), December 7-10, 2013, Orlando, USA, p. 172.
19. M. Naruse, N. Tate, M. Aono, S.-J. Kim, and M. Ohtsu, "Nanophotonics for computing and security applications," 2013 Energy Material & Nanotechnology Meeting (2013 EMN FALL), PROGRAM & ABSTRACTS, p. 160 (Orlando 2013.12.9)
20. M. Naruse, N. Tate, M. Aono, and M. Ohtsu, "Near-field nanophotonics for computing and security," International conference on Hot Topics in Physical Informatics (HotPI), November 10-13, 2013, Changsha, China
21. T. Yatsui and M. Ohtsu, "Dressed Photon-phonon Technology for Ultra Flat Surface," Proceedings of the International Conference Nanomaterials: Application & Properties '2013 (NAP), September 16-21, 2013, Kremia, Ukraine, paper number: 5.2, 01PCS109.
[Plenary talk]
22. N. Tate, M. Naruse, and M. Ohtsu, "Basics of optical processing system based on nanophotonic droplets," Abstracts of The JSAP-OSA Joint Symposia 2013, September 16-20, 2013, Kyoto, Japan, paper number: 17p-D5-1
23. M. Naruse, M. Aono, S.-J. Kim, N. Tate, M. Ohtsu, "Information Systems based on Optical Near-Field Processes at the Nanoscale," The 12th Workshop on Information Optics (WIO), July 15-19, 2013, Tenerife, Spain.
24. M. Ohtsu, "Dressed photon science and technology for novel devices, fabrications, and energy conversion systems" Book of Abstracts, The 9th Asia-Pacific Conference on Near-field Optics, July 3-6 2013, Singapore, Singapore, pp. 21-22
[Plenary talk]
25. Yatsui, M. Ohtsu, and G.-C. Yi, "ZnO quantum structure based nanophotonic device," Book of Abstracts, 16th International Symposium on the Physics of Semiconductors and Applications (ISPSA-2013), July 2-5 2013, Jeju, Korea, paper number D2-I-01
26. M. Naruse, N. Tate, M. Aono, S.-J. Kim, and M. Ohtsu, "Intelligence by Nanophotonics," Solution Searching and Information Security Applications, 2013 Asia-Pacific Workshop on Fundamentals and Applications of Advanced Semiconductor Devices (AWAD), June. 26-28. 2013, Seoul, Korea, pp. 185-188
27. T. Yatsui and M. Ohtsu, "A dressed-photon phonon etching of substrate," Abstracts of IUMRS-International Conference on Electronic Materials, Sep. 23-28, 2012, Kanagawa, Japan, D-9-O24-002
28. T. Yatsui, W. Nomura, and M. Ohtsu, "Nanophotonic polishing of substrate with angstrom scale," CCMR 2012 Program and Abstract, Springer, June 15-29, 2012, Seoul, South Korea, pp. 12-13.

29. T. Yatsui and M. Ohtsu, "Nanophotonic device utilizing a dipole-forbidden energy state," Program & Abstracts of 2012 EMN meeting, OAHOST, April 16-20, 2012, Orlando, FL, USA, pp.103-104 , paper number A51.
30. T. Yatsui, H. Fujita, and M. Ohtsu, "Self-assembled QD based nanophotonic device," Proceedings of IDW'11, The Institute of Image Information and Television Engineers (ITE) and the Society for Information Display (SID), The 18th International Displays Workshop (IDW'11), Nagoya, Aichi, Japan, Dec. 8, December 7-9, 2011, pp. 1189 -1190
31. M. Ohtsu, "Dressed Photon Technology," Abstracts, Symposium on Global Research in Advanced Photonics and Energy(GRAPE) , University of Yamanashi, December 6, 2011, Kofu, Yamanashi, Japan, , p. 9
32. T. Yatsui, W. Nomura, and M. Ohtsu, "Nanophotonic Fabrication Using a Dressed Photon," Proceedings, Research Institute of Electronics, Shizuoka University, December 5-6, 2011, Hamamatsu Shizuoka, Japan, Vol. 2, pp. S3-1-1 - S3-1-18.
33. M. Ohtsu, "The Magic of the Dressed Photon," Technical Digest & Conference Program, 30th International Congress on Applications of Lasers & Electro-Optics (ICALEO), Orlando, FL., USA, Laser Institute of America, Oct. 24, October, 23-27, 2011, Orlando, FL., p. 58, OP4
[Plenary presentation]
34. T. Yatsui, W. Nomura, and M. Ohtsu, "Nanophotonic Polishing of Substrate for Application to Hard-Disk and Optical-Disk Processing," Technical Digest of Joint International Symposium on Optical Memory & Optical Data Storage (ISOM/ODS 2011), Optical Society of America, Washington D. C., USA, July 17-20, 2011, Kauai, HI, USA, paper number OTuA1
35. T. Yatsui, W. Nomura, and M. Ohtsu, "Nanophotonic etching of glass substrate for A-scale surface roughness," Abstract of the 12th International Symposium on Laser Precision Microfabrication (LPM2011), Japan Laser Processing Society, Tokyo, Japan, June 7-10, 2011, Takamatsu, Kagawa, Japan, paper number Fr2-I-1.
36. T. Yatsui and M. Ohtsu, "Self-Organized Nanophotonic Device," Abstract of 219th Electrochemical Society Meeting (219th ECS Meeting), Electrochemical Society, Pennington, NJ, USA, May 1-6, 2011, Montreal, QC, Canada, paper number 1265.
37. T. Yatsui and M. Ohtsu, , "Increased Spatial Homogeneity in a Light-Emitting InGaN Thin Film Using a Phonon-Assisted Optical Near-Field Process," Proceedings of The 17th International Display Workshops (IDW'10), The Institute of Image Information and Television Engineers, Tokyo, Japan, December 1-2, 2010, Fukuoka, Japan, pp. 1619-1622, paper number MEET5-1.
38. M. Ohtsu, "Nanophotonics: Dressed photon science and technology," Book of Abstracts France-Japan Workshop on Nanophotonics, November 4-5, 2010, Paris, France, p. 1.
39. M. Ohtsu, "Nanophotonics: Dressed photon science and technology," Abstracts of 3rd German-Japanese Seminar on Nanophotonics, September 26-29, 2010, Ilmenau, Germany, p. 1.
40. M. Ohtsu, "Phonon-assisted nanophotonic fabrication and its application," Book of Abstracts The seventh International Conference on Photo-Excited Processes and Applications (ICPEAP7), August 16-20, 2010, Copenhagen, Denmark, Invited 7, p. 19.
41. M. Naruse, N. Tate, and M. Ohtsu, "Information theoretical aspects innanophotonics," Proceedings, SPIE Optics + Photonics 2010, August 1-5, 2010, San Diego, CA, USA, paper number 7757-75.
42. M. Ohtsu, "Dressed photon technology for innovative optical devices, fabrications, and systems," Abstract Booklet of the 2010 International Symposium on Organic and Inorganic Electronic Materials and Related Nanotechnologies, The Japan Society of Applied Physics, June 22-25, 2010, Toyama, Japan, p. 26 (B-1)

43. M. Ohtsu, "Nanophotonics: Dressed Photon Technology for innovative devices, fabrications, and systems," Proceedings of The International Conference of Nanophotonics 2010, May 30-June 3, 2010, Ibaragi, Japan, p. 1
[Keynote Lecture]
44. M. Ohtsu, "Nanophotonic Devices by Dressed Photon Exchange," Technical Digest, Optical Fiber Communication Conference 2010, March 21-25, 2010, San Diego, CA, USA p. 54, (OMH2)
45. T. Yatsui, and M. Ohtsu, "Progress in developing nano-scale photonic devices driven by an optical near-field," Frontier Photonics and Electronics, Proceedings of the Joint Workshop on Frontier Photonics and Electronics, March 4-5, 2010, Sydney, Australia, pp. 23-26
46. T. Yatsui, and M. Ohtsu, "Nanophotonic fabrication in sub-nm scale, " Photonic West 2010, Proceedings of SPIE Vol. 7586, Jan. 23-28, 2010, San Francisco, CA, USA, pp.75860D 1-8
47. M. Ohtsu, "Nanophotonics: Application to nonadiabatic fabrication," Technical Digest, The 7th Asia-Pacific Conference on Near-Field Optics, November 25-27, 2009, Jeju, Korea, p. 5
[Plenary presentation]
48. M. Ohtsu, "Nanophotonics: Dressed photon science and technology," Abstracts of Final Program μ TAS 2009 The 13th International Conference on Miniaturized Systems for Chemistry and Life Sciences, November 1-5, 2009, Jeju, Korea, pp. 39-40
[Plenary presentation]
49. T. Yatsui and M. Ohtsu, "Progress in developing nanophotonic fabrication," 2009 IEEE LEOS Annual Meeting Conference Proceedings Pre-Proceedings, The 22nd Annual Meeting of the IEEE Photonics Society, October 4-8, 2009, Antalya, Turkey, pp. 22-23 (MC1)
50. M. Ohtsu, "Tutorial: Nanophotonics: Dressed Photon Technology for Innovative Optical Devices, Fabrications and Systems," Proceedings of the 35th European Conference on Optical Communication, September 20-24, 2009, Vienna, Austria, p. 32, (3.6.1)
[Tutorial presentation]
51. M. Naruse, N. Tate, and M. Ohtsu, "System Architectures for Nanophotonics for Information and Communications Applications," Proceedings of The 8th Pacific Rim Conference on Lasers and Electro-Optics (CLEO Pacific Rim 2009), August 31-September 3, 2009, Shanghai, China (WJ2-2)
52. M. Ohtsu, "Nanophotonics: Exchanging the dressed photons," Abstracts, Finland-Japan Workshop on Nanophotonics and Related Technologies, July 1-2, 2009, Espoo, Finland (pp. 11-14)
[Plenary presentation]
53. M. Ohtsu, "Nanophotonics: Exchanging the dressed photons," Proceedings of the Sweden-Japan Workshop on Nanophotonics and Related Technologies, June 29-30, 2009, Stockholm, Sweden (pp. 6-7)
[Plenary presentation]
54. M. Ohtsu, "Nanophotonics for Analytical spectroscopy and application to Nanofabrication," Extended Abstracts, Japan Symposium The State-of-the-Technologies from Japan with/for Nano-Technology, PITCON Conference & EXPO 2009, March 8-13, 2009, Chicago, Illinois U.S.A., (pp. 9-12)
55. M. Ohtsu, "Nanophotonics: Exchanging the Dressed Photons," Abstracts, Multifunctional Nanoscale Materials for The 21st Century, March 6-7, 2009, Chicago, Illinois U.S.A, (pp. 41-42)
[Plenary presentation]
56. T. Yatsui, G.-C. Yi, and M. Ohtsu, "Progress in developing nanophotonic integrated circuits using ZnO nanorod quantum-well-structures," Meeting Abstracts, 214th Meeting of ECS, October 2-17, 2008, Honolulu, HA, USA (p. 2357)

57. N. Tate, W. Nomura, T. Yatsui, M. Naruse, and M. Ohtsu, "Hierarchical architectures based on optical near-field interactions," Proceedings, SPIE Optics+Photonics, Vol.7033, August 10-14, 2008, San Diego, CA, USA, (pp. 703305-1-9)
58. W. Nomura, T. Yatsui, T. Kawazoe, M. Naruse, N. Tate, and M. Ohtsu, "Unidirectional signal transfer in quantum-dot systems via optical near-field interactions," Proceedings, SPIE Optics+Photonics, Vol.7032, August 10-14, 2008, San Diego, CA, USA, (pp. 703215-1-10)
59. M. Ohtsu, "Nanophotonics and application to future storage technology," Technical Digest, The Joint Int. Symp. on Optical Memory and Optical Data Storage 2008 (ISOM/ODS'08), July 13-17, 2008, Hawaii, HI, USA, pp. 24-26, (paper number MA01 TD05-01)
[Plenary presentation]
60. M. Ohtsu, "Nanophotonics: Energy transfer of virtual exciton-polariton and its application to nano-devices and fabrications," Proceedings of The 3rd International Laser, Light-Wave and Microwave Conference 2008, April 23, 2008, Yokohama, Kanagawa, Japan, pp. 14-17, (paper number 23-IT-2)
61. M. Ohtsu, "Nanophotonic devices and fabrication," Abstracts of The 212th ECS Meeting, The Electrochemical Society, October 7-12, 2007, Washington, D.C., USA, p. 1199
62. T. Yatsui, G.-C. Yi, and M. Ohtsu, "Progress in developing nanophotonic devices driven by an optical near-field," Proceedings of SPIE, The Society of Photo-Optical Instrumentation Engineers, September 9-12, 2007, Boston, MA, USA, pp. 677906-1 - 677906-8, (paper number 6779-5)
63. M. Naruse, and M. Ohtsu, "Hierarchy and energy dissipation in optical near-fields and their system applications," Plasmonics: Nanoimaging, Nanofabrication, and Their Applications III, edited by Satoshi Kawata, Vladimir M. Shalaev, Din-Ping Tsai, Proc. of SPIE, Vol. 6642, August 26-30, 2007, San Diego, CA, USA, (paper number 66420N 1-12)
64. M. Ohtsu, "Concepts of nanophotonic devices and fabrications," Abstracts of Optical MEMS & Nanophotonics 2007, International Conference on Optical MEMS and Nanophotonics, August 12-16, 2007, Hualien, Taiwan, pp.1-2
65. M. Ohtsu, "Nanophotonics," Abstracts of The 6th Asia-Pacific Conference on Near-Field Optics, National Natural Science Foundation of China, June 13-17, 2007, Yellow mountain, China , p. 1
66. T. Yatsui, G.-C. Yi, and M. Ohtsu, "Progress in developing nanophotonic integrated circuits," The 1-st International Conference on Industrial Applications of Lasers 2007 (INDLAS 2007), National Institute for Laser, May 23-25, 2007, Bran, Romania,
67. T. Kawazoe, T. Yatsui, and M. Ohtsu, "Nanophotonic devices using excitation energy transfers," First European Topical Meeting on Nanophotonics and metamaterials," Abstracts of Nanometa 2007, European Physical Society, January 9, 2007, Seefeld, Tirol, Austria, (Paper number TUE1o.1)
68. T. Kawazoe, and M. Ohtsu, "Nanophotonics using Optical Near-field," Abstract in 9th International Conference on Near-field Optics, Nanophotonics & Related Techniques, Plasmo-nano-devices, September 10-15, 2006, Lausanne, Switzerland (paper number Th5-1) p.245
69. T. Yatsui, M. Naruse, and M. Ohtsu, "Plasmonic circuits for nanophotonic devices," Proc. of SPIE Optics & Photonics 2006, SPIE, Vol. 6323, August 13-17, 2006, San Diego, CA, USA (paper number 6323-25) pp. 632300-1-632300-9
70. M. Naruse, T. Miyazaki, T. Kawazoe, T. Yatsui, S. Sangu, K. Kobayashi, and M. Ohtsu, "From optical near-field interaction to nanophotonic information systems," Nanophotonics for Communication: Materials and Devices II (Nibir K. Dhar, Achyut K. Dutta, Kiyoshi Asakawa Eds.), Proc. SPIE Vol. 6017, October , 2005, pp. 1-13
71. G.-C. Yi, W. I. Park, J. Yoo, D.-W. Kim, T. Joo, T. Yatsui, J. Lim, and M. Ohtsu, "Photoluminescent

- characteristics of ZnO nanorods and ZnO/ZnMgO nanorod heterostructures,” Proc. SPIE, Vol. 6013, October, 2005, pp.601301-1–601301-8
72. M. Ohtsu, “Nanophotonics: Devices, Fabrication and Systems,” Proceeding of the International Symposium on Advanced Electronics for Future Generations - “Secure-Life Electronics” for Quality Life and Society-, October 11- 12, 2005, Tokyo, JAPAN (paper number 479-486)
 73. T. Yatsui, W. Nomura, and M. Ohtsu, “Size- and position-controlled nano-scale fabrication for nanophotonic devices,” Proc. SPIE, Vol. 5927, July 31–August 4, 2005, San Diego, CA, USA, pp.59270Q-1–59270Q-8
 74. T. Yatsui, and M. Ohtsu, “Fabrication of nanophotonic devices and their integration by optical near-field”, Technical Digest of the Pacific Rim Conference on Lasers and Electro-Optics 2005, July 11-15, 2005, Tokyo, Japan (paper number CThN2-5-INV)
 75. T. Yatsui, W. Nomura, and M. Ohtsu, “Size-, position-, and separation-controlled one-dimensional alignment of nanoparticles using an optical near field”, Technical Digest of the Conference on Lasers and Electro-Optics, May 22-27, 2005, Baltimore, USA (paper number CThL1)
 76. M. Ohtsu, “Nanophotonics: Optical near field phenomena and applications to devices, fabrication, and systems”, Abstract of the 4th US-Japan Joint Symposium on Nanophotonics: Beyond the limit of Optical Technology, October 26-27, 2004, Tokyo, Japan (paper number 1)
 77. M. Ohtsu, “Nanophotonics: Devices, fabrications, and systems”, Technical Digest of 2004 ICO International Conference on Optics & Photonics in Technology Frontier, July 12-15, 2004, Makuhari, (paper number 13C4-2)
 78. T. Yatsui and M. Ohtsu, “Development of nanophotonic devices and their integration by optical near-field”, Proceedings of the 5th International Symposium on MEMS and Nanotechnology, June 7-10, 2004, Costa Mesa, CA, pp.10-15
 79. T. Yatsui, W. Nomura, M. Kourogi, and M. Ohtsu, “Plasmon polariton transfer along a nano-dot coupler for optical far/near field conversion”, Technical Digest of International Quantum Electronics Conference, May 16-21, 2004, San Francisco, CA, (paper number IFC3)
 80. T. Kawazoe and M. Ohtsu, “Adiabatic and nonadiabatic nanofabrication by localized optical near fields”, Technical Summary Digest of Photonics West, January 24-29, 2004, San Jose, USA, p.274
 81. M. Ohtsu, “Nanophotonics: Devices, fabrications, and systems”, Abstract of the International Symposium, Nanoscale and Nanotechnology on Quantum Particles, December 15-17, 2003, Tokyo, Japan, p.3
 82. T. Yatsui and M. Ohtsu, “Nanophotonics; for size- and position-controlled nanofabrication by optical near fields”, Proceeding of Korea-Japan Joint Symposium on Nanoengineering 2003, November 27-28, 2003, Daejeon, Korea, pp.85-88
 83. M. Ohtsu, “Nanophotonics: Devices, Fabrications, and Systems”, Abstract of the Seminar on Micro-, Nano- and Optical Technologies in Germany, November 10, 2003, pp.21-23
 84. M. Ohtsu, “Nanophotonics: Definition and true nature”, Proceedings of the 4th Asia-Pacific International Conference on Near-Field Optics”, October 13-16, 2003, Taroko, Taiwan, p.9
 85. M. Ohtsu, “What is nanophotonics?”, The International Nanophotonics Symposium Handai, July 24-26, 2003, Osaka, (paper number IL-19)
 86. M. Ohtsu, “Physics and Applications of Nanophotonics”, International Symposium on New Frontiers for Ubiquitous IT Services, May 26-27, 2003, Atsugi, Kanagawa, (paper number 7)
 87. M. Ohtsu, “Operation and Fabrication of Nanophotonic Devices”, The First International Congress

on Bio-Nanointerface, May 19-24, 2003, Tokyo, (paper number 23D-15-KL2)

88. M. Ohtsu, "Optical near-field phenomena and their applications I: Nanophotonics", The first German-Japanese Symposium on Spatially resolved spectroscopy and fabrication of nano-structures for nano-atom photonics, March 17-19, 2003, Berlin, Germany (paper number, MoAM)
89. M. Ohtsu, "Nanophotonic Devices: Their Functions and Fabrications", Proceedings of the Taiwan-Japan Symposium on Nanophotonics Technology, Osaka, November 5-6. 2002, pp.21-22
90. M. Ohtsu, "Nanophotonics: Design, Fabrication, And Operation of Nanophotonic Devices", Workshop on Optical Storage and Communication, Taipei, Taiwan, October 19-20, 2002, (paper number P-3)
[Plenary presentation]
91. T. Yatsui and M. Ohtsu, "Development of nano-photonic devices and their integration by optical near field", 2002 IEEE/LEOS International Conference on Optical MEMs, August 20-23, 2002, Lugano, Switzerland, (paper number FB1)
92. M. Ohtsu, "Nano- and atom-photonics: Beyond the fundamental limit of light", Abstract of the 7th "Science in Japan" Forum, - Nanoscale Science and Technology -, June 14, 2002, Washington, D.C. p.18
93. T. Kawazoe and M. Ohtsu, "Near-Field Optical Microscopy and Application to Nano-Photonics", Abstract of the 14th International Conference on Confocal Microscopy and the 15th International Conference on 3D Image Processing in Microscopy, April 7-10, 2002, Kaohsiung, Taiwan, p.32 (paper number MpB1)
94. T. Yatsui and M. Ohtsu, "Development of nano-photonic devices and their integration by optical near field", Abstract of the MRS 2002 Spring Meeting, April 1-5, 2002, San Francisco, CA, p.126 (paper number S7.1)
95. T. Kawazoe, T. Yatsui, and M. Ohtsu, "Nano Photonic Device and Nano Optical Process using Optical Near-Field", Technigal Digests of SEMI Technology Symposium 2001, December 5-7, 2001, Makuhari, Chiba, pp.4-27 -4-32
96. M. Ohtsu, "Design, fabrication, and operation of nano-photonic devices by optical near-field", Proceedings of the Australasian Conference on Optics, Lasers and Spectroscopy 2001, December 3-6 2001, Brisbane, Australia, p.27 (paper number Plenary 3)
[Plenary presentation]
97. M. Ohtsu, "Developing nano-photonic devices and their integration by optical near-field", Abstract of the 3rd Asia Pacific Workshop on Near Field Optics, November 28-December 1, 2001, Melbourne, Australia, p.29
98. M. Ohtsu, "Nanotechnology and nano/atom photonics by optical near-field," Proceedings of SPIE, Vol.4416, International Conference on Optical Engineering for Sensing and Nanotechnology (ICOSN 2001), June 6-8, 2001, Yokohama, Japan, pp.1-13
[Plenary presentation]
99. M. Ohtsu, "Photochemical vapor deposition by optical near field toward nanometric photonic integration," Abstracts of Tokyo-2001: Scanning Probe Microscopy, Sensors, and Nanostructures, May 27-31, 2001, Makuhari, Japan, p.10
100. M. Kourogi and M. Ohtsu, "Past, present, and future of optical comb generation," Proceedings of SPIE, Vol.4269, Conference on Laser Frequency Stabilization, Standards, Measurement, and Applications, January 24-26, 2001, San Jose, CA, pp.59-71
101. M. Ohtsu, "Overview," in *Near-Field Optics: Principles and Applications*, The Second Asia-Pacific Workshop on Near Field Optics, ed. by X. Zhu and M. Ohtsu, World Scientific, Singapore, 2000,

pp.1-8

[Introductory Talk]

102. M. Ohtsu, "Near field optical technology for high density optical storage and nano-deposition," Abstracts of the International Union of Materials Research Societies, 6th International Conference in Asia, July 23-26, 2000, Hong Kong, China (paper number e3.1b)
103. T. Ikeda, Y. Narita, T. Williams, and M. Ohtsu, "Design and application of an ultra-high spatial resolution mapping system using near-field spectroscopy," Abstract of the Second Meeting of the International Union of Microbeam Analysis Societies, July 9-14, 2000, Hawaii, pp.117-118
104. M. Ohtsu and G.H. Lee, "Chemical vapor deposition of nanometric materials by optical near field toward nano-photonics integration," Technical Digest of the NAIR/OITDA Workshop on Ultrahigh Density Optical Storage and Related Techniques, March 7-8, 2000, Tsukuba, Japan, pp.1-23
105. M. Ohtsu, "Near-field nano-optics toward nano/atom deposition," Technical Digest of the 18th Congress of the International Commission for Optics (SPIE Vol. 3749), August 2-6, 1999, San Francisco, CA, pp.478-479
106. K. Kobayashi and M. Ohtsu, "Quantum theory and virtual photon model of near field optics," Technical Digest of the SPIE Conference on Near-Field Optics: Physics, Devices, and Information Processing, July 22-23, 1999, Denver, CO, Vol.3791, pp.10-20
107. M. Ohtsu, "Nano/atom fabrication and manipulation by near-field optics," Technical Digest of the 1998 Asian-Pacific Forum on Science and Technology: Optical Probing and Creation of Advanced Photoactive Materials, November 10-13, 1998, Ishikawa, Japan, p.28
108. M. Kourogi, T. Yatsui, S. Ishimura, M.B. Lee, N. Atoda, and M. Ohtsu, "A near field planar apertured probe array for optical near field memory," Technical Digest of the International Symposium on Optical Memory 1998, October 20-22, 1998, Tsukuba, Japan, pp.150-151
109. M. Ohtsu, "Nano-fabrication and atom manipulation by near-field optics," Abstract of the 3rd International Forum on Hyper-Structured Molecules for Organic Quantum Device Applications, June 9-11, 1998, Ohtsu, Japan (paper number 10p2)
110. H. Ito, K. Otake, and M. Ohtsu, "Near-field optical guidance and manipulation of atoms," Technical Digest of the SPIE Conference on Far-and Near-Field Optics: Physics and Information Processing, July 23-24, 1998, San Diego, CA, Vol.3467, pp.250-257
111. M. Ohtsu, "Atom guidance and manipulation by optical near field for atomic-level deposition," Abstract of the 3rd International Symposium on Advanced Physical Fields, February 18-20, 1998, Tsukuba, Japan, p.O-26
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