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,” Proceedins of the Northern Optics & Photonics 2015, June 2-4, 2015, Lappeenranta, Finland, p.18.
    [Plenary Talk]
11. Tadashi Kawazoe, Katsuhiro Nishioka, and Motoichi Ohtsu, “SiC light emitting diode and its polarization control using dressed photons,” Proceesings 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-magnetooptic light modulator using p–n homojunction-structured ZnO crystal,” Proceesings 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,” Proceesings 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, November17, 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), September17, 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), September17, 2014, Luzern, p. 498.

17. M. Ohtsu, “Dressed Photon Technology,” International Conference on Electronic Materials 2014 (IUMRS-ICEM2014), p.11, June10-14, 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, Orlandp, 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, Cremia, Ukraine, paper number: 5.2, 01PCSI09.
[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

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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 nanohphotonic 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 Appications 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 Memoroy & Optical Data Storage (ISOM/ODS 2011), Optical Society of America, Washington D. C., USA, July 17-20, 2011, Kauai, HI, USA, paper number OTuA1

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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.

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[Keynote Lecture]

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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

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[Plenary presentation]

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[Plenary presentation]

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[Tutorial presentation]

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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]

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[Plenary presentation]

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[Plenary presentation]

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[Plenary presentation]

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[Plenary presentation]

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[Plenary presentation]

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[Introductory Talk]

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