

*Invited plenary lectures at conferences/meetings*

1. May 1998, "Modeling of power dependence on flow parameters in the transonic mixing COIL," COIL-R&D Workshop, Prague'98, Czech Republic.
2. August 1998, "COIL investigations in Israel," XII International Symposium on Gas Flow and Chemical Lasers and High Power Laser Conference, St.Petersburg, Russia (Ref. 18).
3. Sept. 1999, "Iodine dissociation and small signal gain in supersonic COILs," COIL-R&D Workshop, Prague'99, Czech Republic.
4. May 2001, "One-Dimensional Modeling of the Gain and Temperature in a Supersonic Chemical Oxygen-Iodine Laser with Transonic Mixing of Iodine," COIL-R&D Workshop, Prague'2001, Czech Republic.
5. Aug. 2002, "Mechanisms of COIL operation: experiment and modeling," XIV International Symposium on Gas Flow and Chemical Lasers and High Power Laser Conference, Wroslav, Poland (Ref. 27).
6. Sept. 2003, "Experimental study of the gain, temperature and iodine dissociation in a supersonic COIL," COIL-R&D Workshop, Stuttgart'2003, Germany.
7. Sept. 2005, "Detailed Diagnostic Studies and Analysis of a Highly Efficient Supersonic COIL," COIL-R&D Workshop, Stuttgart'2005, Germany.
8. June 2006, "Detailed diagnostic study of the iodine dissociation in a highly efficient supersonic COIL," Laser Optics 2006 Conference, St-Petersburg, Russia.
9. Oct. 2006, "Energy losses for iodine dissociation in the chemical oxygen - iodine laser," ILLA/LTL '2006 (International conference on laser and laser-information technologies/symposium on laser technologies and lasers), Smolyan, Bulgaria.
10. May 2007, "Dissociation of  $I_2$  in chemical oxygen-iodine lasers: experiment, modeling and pre-dissociation by electrical discharge," ICONO/LAT 2007 (Int'l Conference on Coherent and Nonlinear Optics/Lasers, Applications and Technologies), Minsk, Belarus (Ref. 36).
11. June 2008, "Supersonic COILs at Ben-Gurion University: experimental and theoretical studies," Laser Optics 2008 Conference, St-Petersburg, Russia.
12. Oct. 2009, "Modeling of Lasing in Chemical Oxygen-Iodine Lasers with Unstable Resonators," COIL-R&D Workshop, Stuttgart'2009, Germany.
13. Oct. 2009, "Modeling of lasing in chemical oxygen-iodine lasers with unstable resonators," ILLA / LTL '2009 (International conference on laser and laser-information technologies/symposium on laser technologies and lasers), Smolyan, Bulgaria (Proc. of Int. conference and symposium: X International Conference "Laser and laser-information technologies: fundamental problems and applications", ILLA'2009; VI International Symposium "Laser technologies and lasers", LTL'2009. Published by: OPTELA-Laser Technologies JSC, March, 2010, ISSN 1314-068X, 133-145).
14. June 2010, " $I_2$  dissociation and lasing in supersonic chemical oxygen-iodine lasers: recent kinetic-fluid dynamics modeling," Laser Optics 2010 Conference, St-Petersburg, Russia.
15. Aug. 2010, "Lasing and  $I_2$  dissociation in supersonic chemical oxygen-iodine lasers: recent modeling and comparison with experiment," ICONO/LAT 2010 (Int'l Conference on Coherent and Nonlinear Optics/Lasers, Applications and Technologies), Kazan, Russia.
16. June, 2012, "Revisiting mechanisms of  $I_2$  dissociation in the chemical oxygen-iodine laser using three- and one- dimensional computational fluid dynamics modeling," Laser Optics 2012 Conference, St-Petersburg, Russia.

17. Feb. 2014, "Semi-analytical and 3D CFD DPAL modeling: Feasibility of supersonic operation," LASE 2014: High Energy/Average Power Lasers and Intense Beam Applications VII, San Francisco, USA (Ref. 47).
18. Feb. 2016, "Modeling of static and flowing-gas diode pumped alkali lasers," LASE 2016, LASE 2016: High Energy/Average Power Lasers and Intense Beam Applications IX, San Francisco, USA (Ref. 57).
19. June, 2017, "DPAL studies in Israel," 2017 Symposium on Laser Science and Technology, Chengdu, China.