

Invited Talks at the Conferences (24)

- 1. International Conference ICTON 2012, Special Session on *Microresonators and Photonic Molecules***, Coventry, University of Warwick, UK, July 2-5, 2012
“Resonant Optical Propelling of Microspheres – A Path to Selection of Almost Identical Photonics Atoms”
- 2. IEEE Photonics 2011 Conference (IPC11) (formerly Photonics Society Annual Meeting), Special Symposium – Innovative Optical Microresonators**, Arlington, Virginia, October 9-13, 2011
“Resonant coupling to microspheres and light pressure effects in microfluidic fiber-integrated platforms”
- 3. International Conference ICTON 2011 Special Session on *Microresonators and Photonic Molecules: trapping, harnessing and releasing light***, Stockholm, Sweden, June 26-30, 2011
“Photonic nanojet-induced modes: from physics to applications”
- 4. NSF ECCS Grantees Meeting**, Honolulu, U.S.A., November 30-December 2, 2010
“Mesoscale Structures and Photonic Devices based on Coupled Spherical Cavities”
- 5. Int. Progress in Electromagnetic Research Symposium, PIERS-2010**, Cambridge, U.S.A., July 5-8, 2010
“Focusing Microprobes Based on Integrated Chains of Microspheres”
- 6. International Conference ICTON 2010 Special session on *Microresonators and Photonic Molecules: trapping, harnessing and releasing light***, Munich, Germany, June 27- July 1, 2010
“Light focusing microprobes for biomedical and photonics applications based on integrated microsphere arrays”
- 7. Photonics West 2010**, San Jose, January 23-28, 2010
“Integrated microsphere resonator arrays: light focusing and propagation effects”
- 8. International Conference ICTON 2009 Special session on *Microresonators and Photonic Molecules: trapping, harnessing and releasing light***, Island of San Miguel, Azores, Portugal, June 28- July 2, 2009
“Fundamentals and Applications of Microsphere Resonator Circuits”
- 9. 2009 Summer Charlotte Research Institute Workshop on Metamaterials**, Charlotte, June 27-30, 2009
“Optical Mesomaterials: Coupled Microresonator Arrays”
- 10. Photonics West 2009**, San Jose, January 24-29, 2009 “Fundamentals and Applications of Microsphere Resonator Circuits”
- 11. Photonics West 2008**, San Jose, January 19-24, 2008 “Optical Transport in Coupled Spherical Cavities with Tunable Whispering Gallery Modes”
- 12. 2007 Summer Charlotte Research Institute Workshop on Physics of Microresonators**, Charlotte, June 6-9, 2007 “Optical Transport Phenomena in Coupled Spherical Cavities
- 13. International Conference ICTON 2007 Special session on *Microresonators and Photonic Molecules: trapping, harnessing and releasing light***, Rome, Italy, July 1-5, 2007
“Optical transport phenomena in coupled spherical cavities”
- 14. Int. Progress in Electromagnetic Research Symposium, PIERS-2007**, Beijing, China, March 26-30, 2007.
“Optical Properties of Mesoscopic Systems of Coupled Microspheres”
- 15. Int. Progress in Electromagnetic Research Symposium, PIERS-2007**, Beijing, China, March 26-30, 2007.
Observation of Whispering Gallery Resonances in Circular and Elliptical Semiconductor Pillar Microcavities
- 16. International Conference ICTON 2006 Special session on: *Microresonators and Photonic Molecules: trapping, harnessing and releasing light***, Nottingham, UK, June 19-20, 2006
“Integrated complex networks of coupled microspheres for optoelectronics applications”

17. **89th OSA Annual Meeting: Frontiers in Optics**, Tucson, Arizona, October 16-20, 2005
 “Circuits of Microspheres for Applications in Integrated Optoelectronics and Controllable Delay Lines”, conference program p. 78.
18. **Optics in the Southeast 2004 OSA Meeting**, Charlotte, North Carolina, November 4-5, 2004
 “Coupled Resonator Optical Waveguides Formed by Dielectric Microspheres”, Abstracts p.32.
19. **2004 Inaugural Summer Charlotte Research Institute Workshop on Slow Light**, Charlotte, July 11-12, 2004, “Optical Transport in Disordered CROWs: Coupled Microsphere Waveguides”, Abstracts, p.8.
20. **Optics in the Southeast 2003 OSA Meeting**, Orlando, Florida, November 12-13 2003
 “Periodic Defect States in $\text{Al}_x\text{Ga}_{1-x}\text{As}$ Photonic Crystal Waveguides Studied by Variable Angle Surface Coupling Techniques”, Abstracts, SE 02-A1.
21. **International Alaska Meeting on Fundamental Optical Processes in Semiconductors (AMFOPS)**, Girdwood, Alaska, 5-10 August 2001
 “Stimulated Scattering in Semiconductor Microcavities”, Abstracts, ThC2.
22. **1st UK Meeting on Waveguide Based Photonic Crystal Structures** (organised by G. Parry and R.M. De La Rue), Imperial College, Dep. of Physics, London 23rd May 2000
 “Electromagnetic Properties, Band Structure & Light-Matter Interactions in Semiconductor Photonic Crystals”.
23. **European Research Conference on Photonic and Electromagnetic Crystal Structures (PECS-3)**, St. Andrews, Scotland, UK, 9-14 June 2001
 “External Coupling Properties of Photonic Crystal Waveguides”, Abstracts, Session II: Photonic Crystal Components and Systems II.
24. **3rd Biennial Russian Semiconductor Physics Conference**, Moscow, Russia, 1-5 December 1997
 “Photonic Crystals at Optical Wavelengths”, Abstracts of the 3rd Russian CPS, p.336, 1997.