

Irina Novikova, Ph.D.

Department of Physics
College of William&Mary
P.O. Box 8795
Williamsburg, VA 23187-8795

Phone: (757) 221-3693
FAX: (757) 221-3540
E-mail: inovikova@physics.wm.edu

Professional experience

- 2006-present** Assistant Professor, Department of Physics, The College of William&Mary
2003 - 2006 Postdoctoral Fellow, Harvard-Smithsonian Center for Astrophysics

Education

- 1998 – 2003** Ph.D., Physics Department, Texas A&M University
Dissertation: Nonlinear magneto-optical effects in optically thick atomic vapor.
- 1992 - 1998** Diploma with honors, Moscow State Engineering Physics Institute, Russia
Diploma project: Study of the whispering-gallery eigenmodes of fused silica microsphere via tunable diode laser.

Grants

- 2008**
- National Science Foundation (2008-2011) "Highly efficient photon-matter interfaces for quantum information applications" (\$380,000)
 - Army Research Office (2008) "DURIP: Widely tunable laser system for quantum optics and laser spectroscopy" (\$152,000)
 - Reves Center Faculty International Travel Grant (The College of William&Mary)
- 2007**
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- 2006**
- Jeffress Research Grant (2007-2008) "Investigation of All-Optical Resonances for Compact Atomic Clocks using VCSEL-based Laser System" (\$34,000)

Awards

- 2003**
- Harvard-Smithsonian Center for Astrophysics Postdoctoral Fellowship.
 - Distinguished Graduate Student Doctoral Research Award of the Association of Former Students, Texas A&M University
 - American Association of Physics Teachers Outstanding Teaching Assistant Award, Department of Physics, Texas A&M University.
- 2002**
- Texas A&M University Student Research Week 2002 Award: First Place in Physical Sciences I, Graduate
 - Graduate Student Research and Presentation Grant
- 2001**
- Optical Society of America New Focus Student Award (Grand Prize)
 - Ethel Ashworth-Tsutsui Memorial award for research
- 1997**
- First prize in the Moscow conference of young scientists (Quantum electronics)

Membership

American Physical Society, Optical Society of America, American Association of Physics Teachers

Peer reviewer

Physical Review Letters, Physical Review A, Optics Letters, Journal of the Optical Society of America B, Optics Communications, Journal of Modern Optics; National Science Foundation.