

# 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

- 2007**
- Reves Center Faculty International Travel Grant (The College of William&Mary)
- 2006**
- Jeffress Research Grant “Investigation of All-Optical Resonances for Compact Atomic Clocks using VCSEL-based Laser System”
  - Wren Summer Research Award (The College of William&Mary) (*declined*)

## Awards

- 2003**
- Harvard-Smithsonian Center for Astrophysics Postdoctoral Fellowship for 2003-2005 academic years.
  - 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 section

## 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