

Irina Novikova, Ph.D.

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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

- 2010**
- National Science Foundation (20010-2013) (co-PI) " Plasmon resonances and metal insulator transitions in highly correlated thin film systems" (\$390,000)
 - APS international travel grant (with Dr. Arturo Lezama, Uruguay) (\$2,000)
 - Reves Center Faculty International Travel Grant (The College of William&Mary)
- 2009**
- "LaserFest on the Road" outreach grant (\$5,840)
- 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)
 - Morton Science Fund "Upgrades for Experimental Atomic Physics course" (\$8,100)
 - Reves Center Faculty International Travel Grant (The College of William&Mary)
- 2007**
- Reves Center Faculty International Travel Grant (The College of William&Mary)
- 2006**
- Jeffress Research Grant (2007-2009) "Investigation of All-Optical Resonances for Compact Atomic Clocks using VCSEL-based Laser System" (\$44,000)

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
 - AAPT Outstanding Teaching Assistant Award, Department of Physics, Texas A&M University.
- 2001**
- Optical Society of America New Focus Student Award (Grand Prize)
 - Ethel Ashworth-Tsutsui Memorial award for research

Membership

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

Peer reviewer

Physical Review Letters, Nature Photonics, Physical Review A, Optics Letters, Journal of the Optical Society of America B, Optics Communications, Journal of Modern Optics, Optics Communications; National Science Foundation, Swiss National Science Foundation, Sandia National Laboratory, CRDF.