

# Michael W. Noel

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## Education

**University of Rochester**, The Institute of Optics, Rochester, NY  
, February 1996







Chairman of the Department of Physics, 2007 – 2010  
Committee on Academic Priorities, 2007 – 2010 (Chair 2009 – 2010)  
Chairman of the Search Committee for an Assistant Professor of Physics at BMC, 2008 – 2009  
Task Force on Balancing Mission and Resources, 2007 – 2008  
Search Committee for an Assistant Professor of Physics at Bryn Mawr College, 2006 – 2007  
Search Committee for an Assistant Professor of Physics at Haverford College, 2005 – 2006  
Search Committee for an Assistant Professor of Physics at Bryn Mawr College, 2004 – 2005  
Search Committee for a Postdoctoral Fellow supported by the HHMI, 2005  
Graduate Council, 2005 – 2008  
Undergraduate Council, 2004 – 2007  
Committee on Academic Computing, 2001 – 2003  
Committee on Laboratories, 2001 – 2002  
Library and Information Technology Advisory Group, 2002 – 2003  
Faculty Steering Committee for the Sciences Library and Computing Node, 2000 – 3 (Chair 2001 – 3)  
Search Committee for the Science Unix system administrator for the sciences, 2002

### **Professional Service:**

Referee for  
Referee for  
Referee for the  
Reviewer for  
Reviewer for

### **Workshops:**

International Workshop on Ultracold Rydberg Physics, Recife, Brazil, November 2010.  
International Workshop on Correlated and Many-Body Phenomena in Dipolar Systems, Dresden, Germany, May 2006.  
Encouraging and Responding to Student Writing in Quantitatively Demanding Disciplines, Bryn Mawr College, June 2005.  
Math Science Pedagogy Seminar, Bryn Mawr College, Sponsored by the Math Science Partnership of Greater Philadelphia, 2004-2005.

- [29] Vincent C. Gregoric, Jason J. Bennett, Bianca R. Gaultiere, Ankitha Kannad, Zhimin Cheryl Liu, Zoe A. Rowley, Thomas J. Carroll, and Michael W. Noel, "Improving the state selectivity of field ionization with quantum control," *Phys. Rev. A* **98** 063404 (2018).
- [28] Vincent C. Gregoric, Xinyue Kang, Zhimin Cheryl Liu, Zoe A. Rowley, Thomas J. Carroll, and Michael W. Noel, "Quantum control via a genetic algorithm of the field ionization pathway of a Rydberg electron," *Phys. Rev. A* **96** 023403 (2017).
- [27] Jacob L Bigelow, Jacob T Paul, Matan Peleg, Veronica L Sanford, Thomas J Carroll and Michael W Noel, "Simulations of the angular dependence of the dipole–dipole interaction among Rydberg atoms," *J. Phys. B: At. Mol. Opt. Phys.* **49** 164003 (2016).
- [26] Rachel Feynman, Jacob Hollingsworth, Michael Vennettilli, Tamas Budner, Ryan Zmiewski, Donald P. Frydry, Thomas J. Carroll, and 4 (r)4 (o)1 (l)5 (, )10 (a)2 (n)1aGroodence of t6eBT9.84 1 0 Td[(Si)5SiSicenw(i)8 (u
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- [14] Michael W. Noel, W. M. Griffith, and T. F. Gallagher, "Dynamic Stabilization in Strong Microwave Fields through Excitation to Extremely Highly Excited States," Division of Atomic, Molecular, and Optical Physics Annual Meeting, paper JB13 9, Atlanta, Georgia, March (1999).
- [13] Michael W. Noel, W. M. Griffith, and T. F. Gallagher, "Microwave Ionization of Lithium Rydberg Atoms Near Classical Resonances," Division of Atomic, Molecular, and Optical Physics Annual Meeting, paper J6 3, Santa Fe, New Mexico, May (1998).
- [12] W. M. Griffith, Michael W. Noel, and T. F. Gallagher, "Ionization and State Redistribution of Lithium Rydberg Atoms by Short 8 GHz Microwave Pulses," Division of Atomic, Molecular, and Optical Physics Annual Meeting, paper J6 8, Santa Fe, New Mexico, May (1998).
- [11] Michael W. Noel, W. M. Griffith, and T. F. Gallagher, "Phase Dependence in Strongly Driven Multiphoton Processes," Gordon Research Conference on Multiphoton Processes, Tilton, New Hampshire, June (1998).
- [10] Michael W. Noel, W. M. Griffith, and T. F. Gallagher, "Frequency Modulated Excitation of a Two-Level Atom," Gordon Research Conference on Atomic Physics, New England College, Henniker, New Hampshire, July (1997).
- [9] Michael W. Noel, "Atomic Electron Wave Packet Interference and Control," Division of Atomic, Molecular, and Optical Physics Annual Meeting, paper A16 3 (Invited), Washington, D.C., April (1997).
- [8] Michael W. Noel, W. M. Griffith, and T. F. Gallagher, "Square Wave Population Oscillations in a Two-Level Atom," Division of Atomic, Molecular, and Optical Physics Annual Meeting, paper E13-1, Washington, D.C., April (1997).
- [7] W. M. Griffith, Michael W. Noel, and T. F. Gallagher, "Phase and Rise Time Dependence of RF Pulses in Multiphoton Processes," Division of Atomic, Molecular, and Optical Physics Annual Meeting, paper E12-5, Washington, D.C., April (1997).
- [6] Michael W. Noel, David L. Aronstein, and C. R. Stroud, Jr., "Phase evolution of an atomic electron