

Maura Ann McLaughlin

Associate Professor

Department of Physics

West Virginia University

Morgantown WV 26506-6315

Telephone: 304-293-3422 x 1475

Email: maura.mclaughlin@mail.wvu.edu

<http://astro.wvu.edu/~people/maura>

EDUCATION

August 2001 **Ph.D. in Astronomy and Space Sciences**

Thesis: "Multi-Wavelength Studies of Rotation-Driven Pulsars"
Cornell University, Ithaca, NY

October 1997 **M.S. in Astronomy and Space Sciences**

Cornell University, Ithaca, NY

May 1994 **B.S. in Astronomy and Astrophysics with high honors**

Penn State University, University Park, PA

RESEARCH EXPERIENCE

8/2011–present **Associate Professor**

Dept. of Physics, West Virginia University, Morgantown WV

9/2008–9/2010 **Alfred P. Sloan Fellow**

5/2006–8/2011 **Assistant Professor**

Dept. of Physics, West Virginia University, Morgantown WV

5/2006–present **Adjunct Staff Scientist**

National Radio Astronomy Observatory, Green Bank, WV

10/2003–5/2006 **Research Associate**

Jodrell Bank Observatory, University of Manchester, UK

9/2001–9/2003 **NSF Math and Physical Sciences Distinguished Research Fellow**

Jodrell Bank Observatory, University of Manchester, UK

1994–9/2001 **Graduate Research Assistant**

Dept. of Astronomy, Cornell University, Ithaca, NY

1992–1994 **Undergraduate Research Assistant**

Dept. of Astronomy and Astrophysics, Penn State University, University Park, PA

RESEARCH INTERESTS

Multi-wavelength observations of neutron stars, including: radio, X-ray and γ -ray searching and timing; detection of gravitational waves through pulsar timing; radio and high-energy emission mechanisms; binary interactions and evolution; isolated neutron star evolution; the transient radio sky; propagation effects and the interstellar medium.

REFEREED PUBLICATIONS

Names with a “*” are students or postdoctoral research associates working directly under my supervision.

- [93] Perera*, B. B P., Lomiashvili, D., Gourgouliatos, K. N., **McLaughlin, M. A.**, & Lyutikov, M., 2011, “PSR J0737–3039B: A probe of radio pulsar emission heights”, ApJ, accepted.
- [92] Ellis*, J. A., **McLaughlin, M. A.** & Verbiest, J. P., 2011, “The impact of a stochastic gravitational wave background on pulsar timing parameters”, MNRAS, 417, 2318.
- [91] Palliyaguru*, N. **McLaughlin, M. A.**, Keane, E. F., Kramer, M., Lyne, A. G., Lorimer, D. R., Manchester, R. N., Camilo, F. & Stairs, I. H., 2011, “Radio Properties of Rotating Radio Transients I: searches for randomness and periodicities in pulse arrival times”, MNRAS, 417, 1871.
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- [87] Bhat, N. D. R., Cordes, J. M., Cox, P. J., Deneva, J. S., Hankins, T. H., Lazio, T. J. W. & **McLaughlin, M. A.**, 2011, “An Arecibo Search for Pulsars and Transient Sources in M33”, ApJ, 732, 14.
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- [85] Bates, S. D., Johnston, S., Lorimer, D. R., Kramer, M., Possenti, A., Burgay, M., Stappers, B., Keith, M. J., Lyne, A., Bailes, M., **McLaughlin, M. A.**, O’Brien, J. T. & Hobbs, G., 2011, “A 6.5-GHz multibeam pulsar survey”, MNRAS, 411, 1575.

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- [80] Perera*, B. B. P., **McLaughlin, M. A.**, Kramer, M., Stairs, I. H., Ferdman, R. D., Freire, P. C. C., Possenti, A., Breton, R. P., Manchester, R. N., Burgay, M., Lyne, A. G. & Camilo, F., 2010, “The Evolution of PSR J0737–3039B and a Model for Relativistic Spin Precession”, ApJ, 721, 1193.
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Deneva, J. S., Bhat, N. D. R., Cognard, I., Crawford, F., Jenet, F. A., Kasian, L., Lazarus, P., van Leeuwen, J., **McLaughlin, M. A.**, Stairs, I. H., Stappers, B. W. & Venkataraman, A. 2008, “PSR J1856+0245: Arecibo Discovery of a Young, Energetic Pulsar Coincident with the TeV-Ray Source HESS J1857+026”, ApJ, 682, L41.

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- [12] **McLaughlin, M. A.** & Cordes, J. M. 2003, “Searches for Giant Pulses from Extra-galactic Pulsars”, ApJ, 596, 982.
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- [8] **McLaughlin, M. A.**, Arzoumanian, Z., Cordes, J. M., Backer, D. C., Lommen, A. N., Lorimer, D. R., & Zepka, A. F. 2002, “PSR J1740+1000: A Young Pulsar Well Out of the Galactic Plane”, ApJ, 564, 333.
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- [5] Lommen, A. N., Zepka, A., Backer, D. C., **McLaughlin, M. A.**, Cordes, J. M., Arzoumanian, Z., & Xilouris, K. 2000, “New Pulsars from an Arecibo Drift Scan Search”, ApJ, 545, 1007.
- [4] Nicastro, L., Gaensler, B. M., & **McLaughlin, M. A.** 2000, “Radio observations of the 33.8 ms X-ray pulsar SAX J0635+0533”, A&A, 362, L5.
- [3] **McLaughlin, M. A.** & Cordes, J. M. 2000, “The Gamma-Ray Pulsar Population”, ApJ, 538, 818.
- [2] **McLaughlin, M. A.**, Cordes, J. M., Hankins, T. H., & Moffett, D. A. 1999, “A VLA Search for the Geminga Pulsar: A Bayesian Limit on a Scintillating Source”, ApJ, 512, 929.

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INVITED REVIEWS

- [4] Keane, E. F. & **McLaughlin, M. A.**, 2011, “Rotating Radio Transients”, in “Bulletin of the Astronomical Society of India on Transients at Different Wavelengths”, eds D. J. Saikia and D. A. Green, arXiv:1109:6896.

- [3] **McLaughlin, M. A.**, 2010, “Radio Searches for Pulsars and Short-Duration Transients”, in “Proceedings of ASTRONS 2010”, AIP conference series, arXiv:1103.1278.

- [2] **McLaughlin, M. A.**, 2007, “X-Ray and Radio Observations of Rotating Radio Transients”, in “Neutron Stars and Pulsars”, ed. W. Becker, Astronomy and Space Science Library, 357.

- [1] Cordes, J. M., Lazio, T. J. W., & **McLaughlin, M. A.**, 2004, “The Dynamic Radio Sky”, *Science with the Square Kilometer Array*, eds. C. Carilli and S. Rawlings, New Astronomy Reviews.

TEACHING EXPERIENCE

WVU had only one astronomy faculty and no graduate program in astrophysics before Duncan Lorimer and I arrived in 2006. The “*’s indicate new courses that I developed.

| | |
|---|---|
| <i>1/2009 – 5/2009</i> | Pulsar Search Collaboratory* |
| <i>1/2010 – 5/2010</i> | (high-school students receive college credit) |
| <i>1/2011 – 5/2011</i> | Department of Physics, West Virginia University Department of Astronomy, University of Virginia |
| <i>8/2009 – 12/2009</i> | Astrophysics I (undergraduate) |
| <i>8/2011 – 12/2011</i> | Department of Physics, West Virginia University |
| <i>1/2009 – 5/2009</i> | Observational Astrophysics* (undergraduate) Department of Physics, West Virginia University |
| <i>8/2008 – 12/2008,</i> <i>9/2010 – 12/2010</i> | Stellar Structure & Evolution* (graduate) Department of Physics, West Virginia University |
| <i>1/2008 – 5/2008,</i> <i>1/2010 – 5/2010</i> | Computational Astrophysics* (graduate) Department of Physics, West Virginia University |
| <i>1/2007 – 5/2007</i> | Introductory Astronomy (undergraduate survey course) Department of Physics, West Virginia University |
| <i>10/2003 – 6/2004</i> | First Year Undergraduate Physics Recitations Department of Physics and Astronomy, University of Manchester |
| <i>10/2002 – 6/2003</i> | Third Year Undergraduate Radio Astronomy Lab |
| <i>10/2001 – 6/2002</i> | Department of Physics and Astronomy, University of Manchester |

STUDENTS SUPERVISED

Names with a “*” are co-supervised with Duncan Lorimer.

| | |
|-------------------------|---|
| <i>9/2011 – present</i> | Gary Marchiny, undergraduate, West Virginia University “Pulse Amplitude Distributions of Pulsars” |
| <i>9/2011 – present</i> | Bingyi Cui, Candidate for PhD in Physics, West Virginia University “Timing Observations of Rotating Radio Transients” |
| <i>8/2010 – present</i> | Peter Gentile, Candidate for PhD in Physics, West Virginia University “X-Ray Observations of Black Widow Pulsars” |
| <i>8/2010 – present</i> | Joseph Swiggum*, Candidate for PhD in Physics, West Virginia University “Optimizing Pulsar Timing Algorithms for Gravitational Wave Detection” |
| <i>6/2010 – present</i> | Angela Cortes Nieves, undergraduate, West Virginia University “An Arecibo Drift-Scan Search for Pulsars” |

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|-------------------------|---|
| <i>9/2010 – 8/2011</i> | Caitlin Ahrens, undergraduate, West Virginia University “X-ray Observations of Black Widow Pulsars” |
| <i>8/2009 – 7/2011</i> | Priyadarshini Bangale, Candidate for M.S. in Physics Visiting from Chalmers Institute of Technology, Sweden “Searching for Radio Pulsations from Unidentified Gamma-Ray Sources” |
| <i>9/2009 – present</i> | Justin Ellis, Candidate for PhD in Physics, West Virginia University “Detecting Continuous Gravitational Wave Sources through Pulsar Timing” |
| <i>Summer of 2008</i> | Marc Eimers*, REU summer student, University of Colorado “A Pulsar Data Acquisition System for the 140-ft Green Bank Telescope” |
| <i>6/2008 – 8/2010</i> | Tabitha Smith, undergraduate, West Virginia University “A Search for Radio Bursts from M31” |
| <i>6/2008 – present</i> | Nipuni Palliyaguru, Candidate for PhD in Physics, West Virginia University “Studying the On/Off Timescales of the Rotating Radio Transients” |
| <i>1/2008 – present</i> | Mitchell Mickaliger*, Candidate for PhD in Physics, West Virginia University “A Real-Time Detection System for Transient Radio Signals” |
| <i>1/2008 – present</i> | Josh Miller, Candidate for PhD in Physics, West Virginia University “Multi-wavelength studies of Rotating Radio Transients” |
| <i>1/2007 – present</i> | Benetge Perera, Candidate for PhD in Physics, West Virginia University “Green Bank Observations of the Double Pulsar System” |
| <i>1/2007 – present</i> | Jason Boyles*, Candidate for PhD in Physics, West Virginia University “A Drift-Scan Survey for Pulsars with the Green Bank Telescope” |
| <i>6/2006 – 2009</i> | Dominic Ludovici, University High School, now WVU undergraduate “A Search for Pulsars Using the Giant Meterwave Radio Telescope” Won fourth place in National Siemens’s Science Competition |
| <i>9/2006 – 5/2007</i> | George Habib, undergraduate, West Virginia University “A Search for Transients in a Parkes High-Latitude Pulsar Survey” |
| <i>Summer of 2007</i> | Courtney Epstein*, REU summer student, Oberlin University “Known Pulsar Detections in a Green Bank Telescope Drift-Scan Survey” |
| <i>6/2006 – 8/2006</i> | Jonathon Otero*, REU summer student, University of Puerto Rico Karla Vargas*, REU summer student, University of Puerto Rico “A Study of Pulsar Intensities” |
| <i>2003 – 2005</i> | Oliver Hewitt, Candidate for MSc. in Radio Astronomy, University of Manchester “A Long-Period Pulsar Search with the Giant Meterwave Radio Telescope” |
| <i>2004 – 2005</i> | David Tideswell, Candidate for MSc. in Radio Astronomy, University of Manchester “A Binary Pulsar with a Massive Main Sequence Companion” |
| <i>2003 – 2004</i> | Danielle Fenech, undergraduate, University of Manchester “A Single-Pulse Search of the Parkes Multibeam Pulsar Survey” |

PROFESSIONAL AND UNIVERSITY ACTIVITIES

- 2011* Presented at WVU ‘Preparing Future Faculty’ Work Life Balance Workshop (with Duncan Lorimer)
- 2011 – 2012* Member of Vision 2015 (WV Science and Technology Strategic Plan) Panel
- 2011–2013* NRAO Visiting Committee Member
- 2010–present* Chair of NANOGrav
(North American Nanohertz Observatory of Gravitational Waves)
- 2011–2012* Scientific Organizing Committee Member
IAU Symposium 291, Beijing, China
- 2011 – 2016* Member, WVU ADVANCE Internal Advisory Board
- 2011 – 2012* Chair, Department of Physics Colloquium Committee
- 2010* Member, West Virginia University Discovery and Innovation Committee
- 2010* Member, Department of Physics Quantum Mechanics
Qualifying Exam Committee
- 2010* Organizer, Plenary session on “Radio Astronomy”,
West Virginia Academy of Science
- 2009 – 2010* Member, National Academies Decadal Review Panel on
Radio and Submillimeter Astronomy
- 2008 – present* Chair, Department of Physics Graduate recruitment committee
- 2008 – 2009* Chair, Department of Physics Website committee
- 2008 – present* AWIS (Association of Women in Science) Member
- 2007 – 2011* Member of NANOGrav
(North American Nanohertz Observatory of Gravitational Waves)
- 2003 – present* ALFA Pulsar Consortium member
- 2003 – present* Fermi Pulsar Science Working Group member
- 2004, 2008* Chandra Review Panel member
- 2004 – 2006* Green Bank Telescope proposal reviewer
- 1998 – present* Regular reviewer of ApJ, ApJ Letters, AJ, MNRAS and PASP

AWARDS

- 2011* Harley Kilgore Award for Promoting Public Understanding of Science and Research
- 2010* Eberly College of Arts & Sciences Outstanding Researcher Award
- 2009* Cottrell Scholar Award from the Research Corporation
- 2008* Alfred P. Sloan Research Fellow
- 2001* National Science Foundation Distinguished Research Fellowship

GRANTS

I am PI on all of these grants unless otherwise noted.

| | |
|-------------------|--|
| 12/2011 – 12/2013 | Smithsonian Astrophysical Observatory (\$11k) “Grand Unification in Neutron Stars: The High-B Pulsars” |
| 5/2011 – 5/2013 | Smithsonian Astrophysical Observatory (\$24k) “Exploring the Unusual Extended Emission Around the Highly Magnetic RRAT J1819–1458” |
| 5/2011 – 5/2013 | Smithsonian Astrophysical Observatory (\$31k) “First X-Ray Observations of Four New Fermi-Associated ‘Black-Widow’ Pulsars” |
| 2/2011 – 2/2013 | Smithsonian Astrophysical Observatory (\$27k) “X-ray Observations of a Nearby, Old Rotating Radio Transient” |
| 11/2010 – 11/2011 | Smithsonian Astrophysical Observatory (\$29k) “Crab Giant Pulses: A Correlation Study at Radio and X-rays” |
| 9/2010 – 9/2011 | National Radio Astronomy Observatory Student Support (\$23k) “Timing and General Relativity in the Double Pulsar System” |
| 8/2010 – 8/2015 | National Science Foundation PIRE Program (\$6.5M total, \$1.1M to WVU) “An International Pulsar Timing Array for Gravitational Wave Detection” |
| 12/2009 – 12/2010 | NASA Fermi Observer Support (\$60k) “Constraining Pulsar Emission Physics Through Radio/Gamma-Ray Correlation of Crab Giant Pulses” |
| 9/2009 – 9/2012 | Research Corporation Cottrell Scholar Award (\$100k) “Detecting Gravitational Waves Through Pulsar Timing: Drift-Scan Searches for Millisecond Pulsars” |
| 6/2009 – 6/2010 | National Radio Astronomy Observatory Student Support (\$22k) “Timing of New and Old Rotating Radio Transient Sources” |
| 2/2009 – 2/2011 | Smithsonian Astrophysical Observatory <i>Chandra</i> Observer Support (\$49k) “Is the High-B Radio Pulsar J1718–3718 a Quiescent Magnetar?” |
| 7/2008 – 7/2009 | NASA XMM-Newton Observer Support (\$50k) “Where are the RRATs in the Neutron Star Zoo?” |
| 9/2008 – 6/2011 | Alfred P. Sloan Foundation Fellowship (\$50k) |
| 8/2008 – 8/2009 | Smithsonian Astrophysical Observatory <i>Chandra</i> Observer Support (\$15k) “Searching for X-Ray Variability in Rotating Radio Transients” |
| 7/2008 – 8/2008 | National Radio Astronomy Observatory Summer Salary Support (\$10k) “Radio Observations of Neutron Stars” |
| 10/2006 – 10/2008 | “Searching for X-Ray Variability in Rotating Radio Transients” |
| | National Radio Astronomy Observatory Postdoc Support (\$45k) “Radio Telescope Studies of Neutron Stars” |
| 1/2008-1/2011 | NSF iTEST Program (\$344k to WVU; PI Heatherly) “The Pulsar Search Collaboratory - A Comprehensive Project for Students and Teachers” |
| 10/2007-10/2008 | National Radio Astronomy Observatory Student Support (\$6k) |

| | | |
|-----------------|--|---|
| | | “Green Bank Studies of Rotating Radio Transients” |
| 7/2007 – 8/2007 | National Radio Astronomy Observatory Summer Salary Support (\$8k) | “Radio Observations of Neutron Stars” |
| 7/2007 – 7/2012 | West Virginia EPSCOR Research Challenge Grant (\$1.4M) | “A Center for Astrophysics at West Virginia University” |
| 4/2007 – 4/2008 | National Radio Astronomy Observatory Student Support (\$8k) | “Green Bank Studies of Rotating Radio Transients” |
| 8/2006 – 8/2008 | NASA <i>XMM-Newton</i> Observer Support (\$43k) | “X-Ray Observations of a New Class of Radio Bursting Neutron stars” |

PUBLIC OUTREACH

I have not included the numerous talks and lectures I give to the Pulsar Search Collaboratory students throughout the year and during the three-week summer workshop.

| | |
|-------------|--|
| 11/2011 | “The Dark Side” TedX Pittsburgh, Nemacolin, PA http://tedxtalks.ted.com/video/TEDxPittsburgh-Dr-Maura-McLaugh |
| 10/2011 | “An International Pulsar Timing Array for Gravitational Wave Detection” Carnegie Science Museum, Pittsburgh, PA |
| 2/2011 | “Einstein’s Unfinished Symphony: Detecting Gravitational Waves Using Pulsars” WVU Festival of Ideas, Morgantown, WV |
| 4/2010 | “Detecting Gravitational Waves using Pulsars” West Virginia Academy of Science, Morgantown, WV |
| 10/2009 | “Wild and Wonderful Pulsars” Appalachian Lifelong Learners, Morgantown, WV |
| 9/2009 | “Wild and Wonderful Pulsars” Lost Creek High School, Lost Creek, WV |
| 4/2009 | “Wild and Wonderful Pulsars” International Year of Astronomy Lecture, Morgantown, WV |
| 10/2007 | Interviewed for public television “Outlook” program about our work with the Green Bank Telescope” |
| 8/2007 | “Pulsar Studies with the Green Bank Telescope” West Virginia Governor’s School for Exceptional High School Students |
| 3/2007 | “Careers in Astronomy and Physics” Girl Scouts of Morgantown, WV |
| 2/2007 | “Pulsar Studies with the Green Bank Telescope” Appalachian Lifelong Learners, Morgantown, WV |
| 10/2006 | Homecoming Lecture: “Looking at the Sky with Radio Eyes” West Virginia University, Morgantown, WV |
| 9/2006 | Interview for nationally syndicated radio program “Earth and Sky” “The double pulsar system: Einstein’s dream come true” |
| 7/2006 | Public Lecture: “Double the Pulsar, Double the Fun” Delaware Valley Amateur Astronomers, Philadelphia, PA |
| 1994 – 2000 | Expanding Your Horizons Volunteer |

| | |
|--------------------|--|
| <i>1994 – 2000</i> | Focus For Teens Volunteer |
| <i>5/2000</i> | Public Lecture: “Pulsars as Celestial Clocks” Delaware Valley Amateur Astronomers, Philadelphia, PA |
| <i>9/1998</i> | Public Lecture: “Pulsars as Probes of the Universe” Delaware Valley Amateur Astronomers, Philadelphia, PA |

COLLOQUIA AND SYMPOSIA

All talks but those italicized are by invitation.

- 12/2011* “An International Pulsar Timing Array for Gravitational Wave Detection”
Department of Physics Colloquium, McGill University
- 10/2011* “An International Pulsar Timing Array”
WVU International Research Symposium
- 10/2011* “A Pulsar Timing Array for Gravitational Wave Detection”
Department of Physics Colloquium, Northwestern University
- 10/2011* ”An International Pulsar Timing Array for Gravitational Wave Detection”
WVU International Research Symposium, Morgantown, WV
- 1/2011* “A Pulsar Timing Array for Gravitational Wave Detection”
Department of Physics Colloquium, University of British Columbia”
- 1/2011* “SKA Pathfinders for Pulsar Timing and Gravitational Wave Detection”
217th American Astronomical Meeting
- 1/2011* “The Pulsar Search Collaboratory: Three Years of Discovery”
217th American Astronomical Meeting
- 12/2010* “A Pulsar Timing Array for Gravitational Wave Detection”
Department of Physics Colloquium, University of Pittsburgh
- 8/2010* “Searches for Radio Pulsars and Rapid Radio Transients”
ASTRONS 2010, Cesme, Turkey
- 7/2010* “Searches for Radio Pulsars and Rapid Radio Transients”
National Radio Astronomy Observatory, Green Bank, WV
- 4/2010* “A Pulsar Timing Array for Gravitational Wave Detection”
University of Washington Department of Physics Colloquium
- 3/2010* “A Pulsar Timing Array for Gravitational Wave Detection”
Michigan State University Department of Physics Colloquium
- 12/2009* “Probing Fundamental Physics with Radio Pulsars”
Princeton University Department of Physics Colloquium
- 9/2009* “Searching High and Low: Pulsar Discoveries with the GBT and Arecibo”
University of Maryland Department of Astronomy Colloquium
- 9/2009* “Searching High and Low: Pulsar Discoveries with the GBT and Arecibo”
Goddard Space Flight Center Colloquium
- 8/2009* “Probing Fundamental Physics with Radio Pulsars”
IAU General Assembly, Brazil
- 5/2009* “Searching High and Low: Pulsar Discoveries with the GBT and Arecibo”
Purdue University Department of Physics Colloquium

- 4/2009 "Searching High and Low: Pulsar Discoveries with the GBT and Arecibo"
 Penn State Center for Gravitational Wave Physics Seminar
- 12/2008 "New Results on Rotating Radio Transients"
 Department of Astronomy Colloquium, University of Amsterdam, Netherlands
- 12/2008 "New Results on Rotating Radio Transients"
 LOFAR Workshop, Amsterdam, Netherlands
- 5/2008 "Peek-A-Boo Pulsars: Transient Radio Emission from Neutron Stars"
 Department of Astronomy Colloquium, University of California, Berkeley, CA
- 5/2008 "Peek-A-Boo Pulsars: Transient Radio Emission from Neutron Stars"
 Astrophysics Group Colloquium, Lawrence Livermore National Laboratories, CA
- 4/2008 "On the Present and Future of Pulsar Astronomy"
 Space Science Board 50th Anniversary Meeting, Fairmont, WV
- 4/2008 "Peek-A-Boo Pulsars: Transient Radio Emission from Neutron Stars"
 Department of Physics Colloquium, University of Colorado, Boulder, CO
- 9/2007 "Transient Studies with Arecibo"
 "Frontiers of Astronomy with the World's Largest Radio Telescope", Washington, DC
- 9/2007 "Pulsar Studies with the Green Bank Telescope"
 Keynote speaker, STAR Symposium, Morgantown, WV
- 5/2007 "Where are the RRATs in the Neutron Star Zoo?"
 Pulsar Populations Workshop, Green Bank, WV
- 5/2007 "X-Ray and Radio Observations of Rotating Radio Transients"
 Department of Astronomy Colloquium, Ohio University, Athens, OH
- 3/2007 "X-Ray and Radio Observations of Rotating Radio Transients"
 Department of Physics Colloquium, University of Wisconsin, Madison, WI
- 12/2006 "X-Ray and Radio Observations of Rotating Radio Transients"
 National Radio and Astronomy Observatory Colloquium, Charlottesville, VA
- 10/2006 "New Results on Rotating Radio Transients"
 Department of Astronomy Colloquium, Penn State University, University Park, PA
- 10/2006 "Computational Requirements of Pulsar Searches"
 Supercomputing Science Consortium, Morgantown, WV
- 8/2006 "An Infestation of RRATS: New Results on Rotating Radio Transients"
 IAU JD02, Prague
- 11/2004 "Magnetospheric Interactions in the Double Pulsar Binary System"
 Physics and Astronomy Colloquium, Clemson University, South Carolina
- 8/2004 "RRATS: Repeating Radio Transients"
 Physics Colloquium, University of Sydney, Australia
- 7/2004 "Double Neutron Star Binaries"
 Astrophysics Colloquium, Max Planck Institute, Munich
- 5/2004 "A Double Pulsar Binary System"
 Astronomy Colloquium, NRAO, Green Bank, WV
- 5/2004 "Single Pulse Pulsar Searches"
 ALFA Pulsar Consortium Workshop, McGill University, Canada
- 4/2004 "RRATS: Repeating Radio Transients"
 National Astronomy Meeting, Milton Keynes, UK
- 3/2004 "The First Double Pulsar Binary System"
 Astronomy Colloquium, University of Edinburgh, Scotland

- 1/2004 "New Binary and Millisecond Pulsars from Arecibo Drift-Scan Searches"
 Aspen Conference on *Binary and Millisecond Pulsars*
- 6/2003 "The Gamma-Ray Pulsar Population: Modeling, the Parkes Multibeam
 Pulsar Survey, and Searches"
 The 4th AGILE Science Workshop, Rome
- 8/2002 "New Pulsars from Arecibo Drift Scan Searches"
 Crete Conference on *Radio Pulsars*
- 11/2002 "A Pilot L-band Arecibo Pulsar Search"
 The First ALFA Pulsar Consortium Workshop, Arecibo Observatory, Puerto Rico
- 10/2002 "Pulsars as Probes of the Physical Universe"
 Physics Colloquium, Oberlin College, Ohio
- 3/2000 'Pulsars Across the Spectrum'
 Arecibo Pulsar Workshop, Arecibo Observatory, Puerto Rico
- 9/1999 "Gamma Ray Pulsars"
 Fifth Compton Symposium, Portsmouth, New Hampshire
- 9/1999 "Gamma Ray Pulsar Luminosities"
 MIT Colloquium, Boston, Massachusetts
- 8/1999 "The Gamma Ray Pulsar Population"
 IAU Colloquium 177, Bonn, Germany