

Biographical sketch: John H. Palmieri

PROFESSIONAL PREPARATION

- Undergraduate education: Swarthmore College; major: mathematics; B. A. with highest honors, 1986.
- Graduate education: Massachusetts Institute of Technology; major: mathematics; Ph.D., 1991.
- Postdoctoral institutions: University of Minnesota, mathematics, 1991–1993; Massachusetts Institute of Technology, mathematics, 1994–1997.

APPOINTMENTS

- Fall 2002–present. Associate Professor of Mathematics, University of Washington.
- Fall 1999–Spring 2002. Assistant Professor of Mathematics, University of Washington.
- Fall 1997–Spring 1999. Visiting Assistant Professor of Mathematics, University of Notre Dame.
- Fall 1995–Spring 1997. National Science Foundation Post-Doctoral Fellow and Instructor in Pure Mathematics, Massachusetts Institute of Technology.
- Fall 1994–Spring 1995. National Science Foundation Post-Doctoral Fellow. Host institution: Massachusetts Institute of Technology.
- Spring 1994: Visiting Assistant Professor of Mathematics, University of Wisconsin.
- Fall 1991–Fall 1993: Visiting Assistant Professor of Mathematics, University of Minnesota.
- Fall 1990–Spring 1991: Lecturer of Mathematics, Boston College.

PUBLICATIONS

- Most relevant publications:
 1. J. H. Palmieri, *Stable homotopy over the Steenrod algebra*, Mem. Amer. Math. Soc. **151** (2001) no. 716, xiv+172.
 2. J. H. Palmieri, *Quillen stratification for the Steenrod algebra*, Ann. of Math. (2) **149** (1999), 421–449.
 3. J. H. Palmieri, *Some quotient Hopf algebras of the dual Steenrod algebra*, Trans. Amer. Math. Soc. **358** (2006), no. 2, 671–685.
 4. D. M. Lu, J. H. Palmieri, Q. S. Wu, and J. J. Zhang, *Regular algebras of dimension 4 and their A_∞ -Ext-algebras*, Duke Math. J. **137** (2007), no. 3, 537–584.
 5. J. H. Palmieri, *The Lambda algebra and Sq^0* , in Geometry & Topology Monographs **11** (2007) 201–216, Proceedings of the School and Conference in Algebraic Topology (The Vietnam National University, Hanoi, 9-20 August 2004). Editors: John Hubbuck, Nguyen H. V. Hung and Lionel Schwartz. Available on-line: <http://www.msp.warwick.ac.uk/gtm/2007/11/p010.xhtml>

- Other publications:

1. M. Hovey, J. H. Palmieri, and N. P. Strickland, *Axiomatic stable homotopy theory*, Mem. Amer. Math. Soc. **128** (1997), no. 610, x+114.
2. W. G. Dwyer and J. H. Palmieri, *Ohkawa's theorem: there is a set of Bousfield classes*, Proc. Amer. Math. Soc. **129** (2001), 881–886.
3. M. Hovey and J. H. Palmieri, *The structure of the Bousfield lattice*, Homotopy invariant algebraic structures (J.-P. Meyer, J. Morava, and W. S. Wilson, eds.), Contemp. Math., vol. 239, Amer. Math. Soc., Providence, RI, 1999, 175–196.
4. D. M. Lu, J. H. Palmieri, Q. S. Wu, and J. J. Zhang, *Koszul equivalences in A_∞ -algebras*, New York J. Math. **14** (2008), 325–378. Available on-line: <http://nyjm.albany.edu:8000/j/2008/14-16.html>
5. W. G. Dwyer and J. H. Palmieri, *The Bousfield lattice for truncated polynomial algebras*, Homology, Homotopy, and Applications **10** (2008), no. 1, 413–436. Available on-line: <http://intlpress.com/HHA/v10/n1/a18/>

SYNERGISTIC ACTIVITIES

- Currently organizing a broad collaboration between the Department of Mathematics at the University of Washington and Vietnam National University (Hanoi).
- Received a “4 × 4 Writing-Integrated Course Design Initiative” award by the University of Washington to integrate writing into the undergraduate course “Introduction to Modern Algebra.”
- Author of “bibweb,” which is a perl program which automatically retrieves bibliographical information from MathSciNet.
- Curriculum development: co-developed and co-taught a liberal arts math course called “What is Mathematics?” at the University of Wisconsin, with R. Pemantle.

COLLABORATORS AND OTHER AFFILIATIONS

- Collaborators:
 - William G. Dwyer, Department of Mathematics, University of Notre Dame
 - Diming Lu, Department of Mathematics, Zhejiang University
 - Quanshui Wu, Institute of Mathematics, Fudan University
 - Jian (James) Zhang, Department of Mathematics, University of Washington
- Graduate advisor: Haynes R. Miller, Department of Mathematics, M. I. T.
- Postdoctoral advisors: Mark Feshbach, Department of Mathematics, Univ. of Minnesota; Michael J. Hopkins, Department of Mathematics, M. I. T. (now at Harvard).
- PhD students: Sunil Chebolu (PhD 2005, University of Washington, now at Illinois State University), David Rosoff (PhD 2009, University of Washington, now at University of Washington)