

## Publications of W. Stephen Wilson

- [1] W. S. Wilson. A new relation on the Stiefel-Whitney classes of spin manifolds. *Illinois Journal of Mathematics*, 17:115–127, 1973.
- [2] W. S. Wilson. The  $\Omega$ -spectrum for Brown-Peterson cohomology, Part I. *Commentarii Mathematici Helvetici*, 48:45–55, 1973.
- [3] D. C. Johnson and W. S. Wilson. Projective dimension and Brown-Peterson homology. *Topology*, 12:327–353, 1973.
- [4] D. C. Ravenel and W. S. Wilson. Bipolynomial Hopf algebras. *Journal of Pure and Applied Algebra*, 4:41–45, 1974.
- [5] D. C. Ravenel and W. S. Wilson. The Hopf ring for complex cobordism. *Bulletin of the American Mathematical Society*, 80:1185–1189, 1974.
- [6] W. S. Wilson. The  $\Omega$ -spectrum for Brown-Peterson cohomology, Part II. *American Journal of Mathematics*, 97:101–123, 1975.
- [7] W. S. Wilson. The  $\Omega$ -spectrum for Brown-Peterson cohomology, Part III. Unpublished, 1975.
- [8] D. C. Johnson and W. S. Wilson. BP-operations and Morava’s extraordinary K-theories. *Mathematische Zeitschrift*, 144:55–75, 1975.
- [9] H. R. Miller and W. S. Wilson. On Novikov’s  $\text{Ext}^1$  modulo an invariant prime ideal. In D. Davis, editor, *Reunion Sobre Teoria de homotopia, Universidad de Northwestern, Agosto 1974*, number 1 in Serie notas de matemática y simposia, pages 159–166, Mexico, D.F., 1975. Sociedad Matematica Mexicana.
- [10] D. C. Johnson, H. R. Miller, W. S. Wilson, and R. S. Zahler. Boundary homomorphisms in the generalized Adams spectral sequence and the nontriviality of infinitely many  $\gamma_t$  in stable homotopy. In D. Davis, editor, *Reunion Sobre Teoria de homotopia, Universidad de Northwestern, Agosto 1974*, number 1 in Serie notas de matemática y simposia, pages 47–63, Mexico, D.F., 1975. Sociedad Matematica Mexicana.
- [11] H. R. Miller, D. C. Ravenel, and W. S. Wilson. Novikov’s  $\text{Ext}^2$  and the nontriviality of the gamma family. *Bulletin of the American Mathematical Society*, 81:1073–1075, 1975.
- [12] H. R. Miller and W. S. Wilson. On Novikov’s  $\text{Ext}^1$  modulo an invariant prime ideal. *Topology*, 15:131–141, 1976.
- [13] D. C. Ravenel and W. S. Wilson. The Hopf ring for complex cobordism. *Journal of Pure and Applied Algebra*, 9:241–280, 1977.
- [14] H. R. Miller, D. C. Ravenel, and W. S. Wilson. Periodic phenomena in the Adams-Novikov spectral sequence. *Annals of Mathematics*, 106:469–516, 1977.
- [15] D. C. Johnson and W. S. Wilson. The projective dimension of the complex bordism of Eilenberg-Mac Lane spaces. *Osaka Journal of Mathematics*, 14:533–536, 1977.
- [16] D. M. Latch, R. W. Thomason, and W. S. Wilson. Simplicial sets from categories. *Mathematische Zeitschrift*, 164:195–214, 1979.

- [17] D. C. Ravenel and W. S. Wilson. The Morava  $K$ -theories of Eilenberg-Mac Lane spaces and the Conner-Floyd conjecture. *American Journal of Mathematics*, 102:691–748, 1980.
- [18] R. W. Thomason and W. S. Wilson. Hopf rings in the bar spectral sequence. *Quarterly Journal of Mathematics*, 31:507–511, 1980.
- [19] W. S. Wilson. Unstable cohomology operations. In *Topics in homotopy theory and cohomology theory. Proceedings of a Symposium held at the Research Institute for Mathematical Sciences, Kyoto University, Kyoto, October 27-29, 1980*, volume 419, pages 18–25, Kyoto University, Kyoto, Japan, March 1981. RIMS Kokyuroku.
- [20] W. S. Wilson. *Brown-Peterson homology: an introduction and sampler*. Number 48 in C.B.M.S. Regional Conference Series in Mathematics. American Mathematical Society, Providence, Rhode Island, 1982.
- [21] W. S. Wilson. Towards  $BP_*X$ . In S. Gitler, editor, *Symposium on Algebraic Topology in Honor of José Adem*, Contemporary Mathematics, pages 345–351, Providence, Rhode Island, 1982. American Mathematical Society.
- [22] W. S. Wilson. The complex cobordism of  $BO_n$ . *Journal of the London Mathematical Society*, 29(2):352–366, 1984.
- [23] W. S. Wilson. Brown-Peterson metastability and the Bendersky-Davis conjecture. *Publications of Research Institute of Mathematical Sciences, Kyoto University*, 20:1037–1051, 1984.
- [24] W. S. Wilson. The Hopf ring for Morava  $K$ -theory. *Publications of Research Institute of Mathematical Sciences, Kyoto University*, 20:1025–1036, 1984.
- [25] D. C. Johnson and W. S. Wilson. The Brown-Peterson homology of elementary  $p$ -groups. *American Journal of Mathematics*, 107:427–454, 1985.
- [26] H. S. Song and W. S. Wilson. On the non-immersion of products of real projective spaces. *Transactions of the American Mathematical Society*, 318:327–334, 1990.
- [27] D. C. Johnson, W. S. Wilson, and D. Y. Yan. Brown-Peterson homology of elementary  $p$ -groups, II. *Topology and its Applications*, 59:117–136, 1994.
- [28] J. M. Boardman, D. C. Johnson, and W. S. Wilson. Unstable operations in generalized cohomology. In I. M. James, editor, *The Handbook of Algebraic Topology*, chapter 15, pages 687–828. Elsevier, 1995.
- [29] D. C. Ravenel and W. S. Wilson. The Hopf ring for  $P(n)$ . *Canadian Journal of Mathematics*, 48(5):1044–1063, 1996.
- [30] W. S. Wilson. Wei-Liang Chow. *Notices of the American Mathematical Society*, 43(10):1117–1124, October 1996. Organizer.
- [31] P. J. Eccles, P. R. Turner, and W. S. Wilson. On the Hopf ring for the sphere. *Mathematische Zeitschrift*, 224(2):229–233, 1997.
- [32] D. C. Johnson and W. S. Wilson. On a theorem of Ossa. *Proceedings of the American Mathematical Society*, 125(12):3753–3755, 1997.
- [33] W. S. Wilson. Hopf ring. In *Encyclopaedia of Mathematics, Supplementary Volume I*, pages 299–300. Kluwer Academic Publishers, 1997.

- [34] M. J. Hopkins, D. C. Ravenel, and W. S. Wilson. Morava Hopf algebras and spaces  $K(n)$  equivalent to finite Postnikov systems. In Paul S. Selick et. al., editor, *Stable and Unstable Homotopy*, volume 19 of *The Fields Institute for Research in Mathematical Sciences Communications Series*, pages 137–163, Providence, R.I., 1998. American Mathematical Society.
- [35] D. C. Ravenel, W. S. Wilson, and N. Yagita. Brown-Peterson cohomology from Morava  $K$ -theory. *K-Theory*, 15(2):149–199, 1998.
- [36] H. Sadofsky and W. S. Wilson. Commutative Morava homology Hopf algebras. In M. E. Mahowald and S. Priddy, editors, *Homotopy Theory in Algebraic Topology*, volume 220 of *Contemporary Mathematics*, pages 367–373, Providence, Rhode Island, 1998. American Mathematical Society.
- [37] W. S. Wilson. Brown-Peterson cohomology from Morava  $K$ -theory, II. *K-Theory*, 17:95–101, 1999.
- [38] W. S. Wilson.  $K(n+1)$  equivalence implies  $K(n)$  equivalence. In J.-P. Meyer, J. Morava, and W. S. Wilson, editors, *Homotopy invariant algebraic structures: a conference in honor of J. Michael Boardman*, volume 239 of *Contemporary Mathematics*, pages 375–376, Providence, Rhode Island, 1999. American Mathematical Society.
- [39] J. M. Boardman, R. Kramer, and W. S. Wilson. The periodic Hopf ring of connective Morava  $K$ -theory. *Forum Mathematicum*, 11:761–767, 1999.
- [40] J.-P. Meyer, J. Morava, and W. S. Wilson, editors. *Homotopy invariant algebraic structures: a conference in honor of J. Michael Boardman*, volume 239 of *Contemporary Mathematics*. American Mathematical Society, Providence, Rhode Island, 1999.
- [41] W. S. Wilson. The impossible made easy: Learning to calculate with generalized cohomology. In *46-th Annual Japanese Topology Symposium Proceedings, Hokkaido University*, pages 20–30, Hokkaido, Japan, July 1999.
- [42] W. S. Wilson. Hopf rings in algebraic topology. *Expositiones Mathematicae*, 18:369–388, 2000.
- [43] J. M. Boardman and W. S. Wilson. Unstable splittings related to Brown-Peterson cohomology. In J. Aguadé, C. Broto, and C. Casacuberta, editors, *Cohomological Methods in Homotopy Theory, Barcelona Conference on Algebraic Topology, Bellaterra, Spain, June 4-10, 1998*, volume 196 of *Progress in Mathematics*, pages 35–45, Basel/Switzerland, 2001. Birkhäuser Verlag.
- [44] T. Kashiwabara and W. S. Wilson. The Morava  $K$ -theory and Brown-Peterson cohomology of spaces related to  $BP$ . *Journal of Mathematics of Kyoto University*, 41(1):43–95, March 2001.
- [45] D. Davis, J. Morava, G. Nishida, W. S. Wilson, and N. Yagita, editors. *Recent Progress in Homotopy Theory: Proceedings of a conference on Recent Progress in Homotopy Theory March 17-27, 2000, Johns Hopkins University, Baltimore, MD.*, volume 293 of *Contemporary Mathematics*. American Mathematical Society, Providence, Rhode Island, 2002.
- [46] N. Kitchloo, G. Laures, and W. S. Wilson. The Morava  $K$ -theory of spaces related to  $BO$ . *Advances in Mathematics*, 189(1):192–236, 2004.

- [47] N. Kitchloo, G. Laures, and W. S. Wilson. Splittings of bicommutative Hopf algebras. *Journal of Pure and Applied Algebra*, 194:159–168, 2004.
- [48] W. S. Wilson and D. Q. Naiman. K-12 calculator usage and college grades. *Educational Studies in Mathematics*, 56:119–122, 2004.
- [49] E. C. Scott with a few hundred Steves including W. S. Wilson. The morphology of Steve. *Annals of Improbable Research*, 10(4):24–29, July/August 2004.
- [50] David Klein, with Bastiaan J. Braams, Thomas Parker, William Quirk, Wilfried Schmid, and W. Stephen Wilson. Technical assistance from Ralph A. Raimi and Lawrence Braden. Analysis by Justin Torres. Foreword by Chester E. Finn, Jr. *The State of the State MATH Standards*. Thomas B. Fordham Foundation, Washington, D.C., January 2005.
- [51] W. S. Wilson. Short response to Tunis’s letter to the editor on technology in college. *Educational Studies in Mathematics*, 58:415–420, 2005.
- [52] Barbara Reys, Carolyn Baldree, Donna Taylor, and W. S. Wilson. Grade 6: Process and standards. In Johnny W. Lott and Kathleen Nishimura, editors, *Standards & Curriculum: A view from the Nation*, pages 29–32, Reston, Virginia, 2005. NCTM.
- [53] N. Kitchloo and W. S. Wilson. On fibrations related to real spectra. In M. Ando, N. Minami, J. Morava, and W. S. Wilson, editors, *Proceedings of the Nishida Fest (Kinosaki 2003)*, volume 10 of *Geometry & Topology Monographs*, pages 237–244, 2007.
- [54] M. Ando, N. Minami, J. Morava, and W. S. Wilson, editors. *Proceedings of the Nishida Fest (Kinosaki 2003)*, volume 10 of *Geometry & Topology Monographs*, 2007.
- [55] N. Kitchloo and W. S. Wilson. On the Hopf ring for  $ER(n)$ . *Topology and its Applications*, 154:1608–1640, 2007.
- [56] J. M. Boardman and W. S. Wilson.  $k(n)$ -torsion-free  $H$ -spaces and  $P(n)$ -cohomology. *Canadian Journal of Mathematics*, 59(6):1154–1206, 2007.
- [57] W. S. Wilson. What do college students know? *Education Next*, 8(4):88, Fall 2008.
- [58] W. S. Wilson. Elementary school mathematics priorities. *American Association of School Administrators*. To appear.
- [59] N. Kitchloo and W. S. Wilson. The second real Johnson-Wilson theory and non-immersions of  $RP^n$ . *Homology, Homotopy and Applications*, 10(3):223–268, 2008.
- [60] N. Kitchloo and W. S. Wilson. The second real Johnson-Wilson theory and non-immersions of  $RP^n$ , Part 2. *Homology, Homotopy and Applications*, 10(3):269–290, 2008.
- [61] J. González and W. S. Wilson. The BP-theory of two-fold products of projective spaces. *Homology, Homotopy and Applications*, 10(3):181–192, 2008.
- [62] Linda Plattner with W. S. Wilson. Washington state mathematics standards: Review and recommendations. On-line at Washington State Board of Education, August 2007.

- [63] Linda Plattner with W. S. Wilson. A report to the Washington State Board of Education: Follow-up to Review and Recommendations. On-line at Washington State Board of Education, February 2008.
- [64] Linda Plattner with W. S. Wilson. A report to the Washington State Board of Education: Second review of Washington K-12 mathematics standards. On-line at Washington State Board of Education, March 2008.
- [65] Linda Plattner with W. S. Wilson. Revised K-8 mathematics standards, Washington state. On-line at Washington State Board of Education, April 2008.
- [66] Linda Plattner with W. S. Wilson. Revised 9-12 mathematics standards, Washington state. On-line at Washington State Board of Education, July 2008.
- [67] W. S. Wilson. Review of mathematical soundness: Background notes for WA state curriculum study. On-line at Washington State Board of Education, October 2008.