

PUBLICATIONS

- (1) Topological Hochschild Homology of ℓ and ko . (Joint with V. Angeltveit and T. Lawson). To appear in *American Journal of Mathematics*.
- (2) The spectra ko and ku are not Thom spectra: an approach using THH (with V. Angeltveit and T. Lawson). *Geometry and Topology Monographs* **16** (2009), 1-8.
- (3) The String bordism of BE_8 and $BE_8 \times BE_8$ through dimension 14. To appear in *Illinois Journal of Mathematics*.
- (4) On the existence of a v_2^{32} -self map on $M(1, 4)$ at the prime 2. (Joint with M. Behrens, M. Hopkins, and M. Mahowald). *Homology, Homotopy, and Applications* **10** (3) (2008), 45-84.
- (5) The 5-local homotopy of eo_4 . *Algebraic and Geometric Topology* **8** (2008), 1741–1761.
- (6) Cyclic comodules, the homology of j , and j -homology. *Topology and Its Applications* **155** (2008), no. 15, 1730–1736.
- (7) The 3-local tmf homology of $B\Sigma_3$. *Proceedings of the American Mathematical Society* **135** (2007), no. 12, 4075–4086.

SUBMITTED

- (8) Ext and the motivic Steenrod algebra over \mathbb{R} . Submitted.
- (9) Automorphic forms and cohomology theories associated to Shimura varieties of small discriminant (with T. Lawson). Submitted to *Advances in Mathematics*.
- (10) A cohomological obstruction to String orientability (Joint with C. Douglas and A. Henriques).

PREPRINTS

- (11) On the non-existence of Kervaire Invariant One Manifolds (Joint with M. Hopkins and D. Ravenel)
- (12) Computations in motivic homotopy theory.
- (13) The homotopy of EO_{2p-2} (Joint with M. Hopkins and D. Ravenel).

IN PREPARATION

- (14) The action of finite subgroups of the Morava stabilizer group on π_*E_n (Joint with M. Hopkins and D. Ravenel).
- (15) The homotopy of $EO_{f(p-1)}(\mathbb{Z}/p)$ (Joint with M. Hopkins and D. Ravenel).