

DANIEL K. BISS  
PUBLICATION LIST

**Research Publications**

1. "Coxeter matroids, Schubert cells, and homogeneous spaces for reductive groups," in preparation.
2. "Morphisms and topology of combinatorial differential manifolds," in preparation.
3. "Oriented matroids, complex manifolds, and a combinatorial model for  $BU$ ," submitted.
4. "The homotopy type of the matroid Grassmannian," submitted.
5. "The mod 2 equivariant cohomology of real loci," with Victor Guillemin and Tara Holm, submitted.
6. "The topological fundamental group and generalized covering spaces," to appear, *Topology Appl.*
7. "A presentation for the unipotent group over rings with identity," with Samit Dasgupta, *J. Algebra* **237** (2001), no. 2, 691–707.
8. "Hamiltonian decomposition of recursive circulant graphs," *Discrete Math.* **214** (2000), no. 1-3, 89–99.
9. "On the symmetry groups of hypergraphs of perfect cwatsets," *Ars Combin.* **56** (2000), 271–288.
10. "A lower bound on the number of functions satisfying the strict avalanche criterion," *Discrete Math.* **185** (1998), no. 1-3, 29–39.
11. "A presentation for the unipotent group over  $\mathbf{F}_2$ ," *Comm. Algebra* **26** (1998), no. 9, 2971–2975.

**Expository Writing**

1. "Which functor is the projective line?" to appear, *Amer. Math. Monthly*.
2. "A generalized approach to the fundamental group," *Amer. Math. Monthly* **107** (2000), no. 8, 711–720.
3. "Student mentors in the Duluth mathematics REU," with Daniel Isaksen, *CUR Quarterly*, June 2000, 163–164, 166–167.
4. "Homotopy theory with a view toward stable computations," A.B. thesis, Harvard University, 1998.