

RESUME

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- Education** BA (Mathematics), University of Hawaii, May, 1967
Ph.D. (Mathematics), UCLA, September, 1969
MA (Biblical Studies), Dallas Seminary, 1984
- Experience** Westmont College, 1985 – present, Professor (promoted 1994)
McKenzie University, Sao Paulo, Brazil, Visiting Professor, June-July 1992
Universidad de Granada, Granada, Spain, Visiting Professor, June-July 1988
Missouri Western State College, Associate Professor, 1977-1985
Case Western Reserve University, Visiting Associate Professor, 1982-1983
University of Tennessee, Assistant Professor, 1971-1977

Publications

- On maximal idempotent-closed subrings of $M_n(F)$* (with K. Cvetko-Vah), International Journal of Algebra and Computation, accepted.
- Rings whose idempotents form a multiplicative set* (with K. Cvetko-Vah), Communications in Algebra, accepted.
- Cancellation in skew lattices* (with K. Cvetko-Vah, M. Kinyon and M. Spinks), Order, 28 (2011), 9 - 32.
- Skew Boolean algebras derived from generalized Boolean algebras* (with M. Spinks), Algebra Universalis, 58 (2008), 287-302.
- Associativity of the ∇ -operation on bands in rings* (with K. Cvetko-Vah), Semigroup Forum, 76 (2008), 32-50.
- Magic squares, finite planes and simple quasilattices*, Ars Combinatoria, 77 (2005), 75-96.
- Small Skew Lattices in Rings*, Semigroup Forum, 70 (2005), 307-311.
- Green's equivalences on noncommutative lattices* (with G. Laslo), Acta Sci. Math. (Szeged), 68 (2002), 501-533.
- Symmetric groupoids, free categories and E^* -unitary inverse monoids*, Proceedings of the Royal Society of Edinburgh (Series A), 129 (1999), 959-985.
- Dual symmetric inverse monoids and representation theory* (with D. FitzGerald), Journal of the Australian Mathematical Society (Series A), 64 (1998), 345-367.
- On the foundations of inverse monoids and inverse algebras*, Proceedings of the Edinburgh Mathematical Society, 41 (1998), 1-21.
- Recent developments in the theory of skew lattices*, Semigroup Forum, 52 (1996), 7-24.
- Skew Boolean algebras and discriminator varieties* (with R. J. Bignall), Algebra Universalis, 33 (1995), 387-398.
- Inverse monoids with a natural semilattice ordering*, Proceedings of the London Mathematical Society, 70 (1995), 146-182.
- The geometric structure of skew lattices*, Transactions of the American Mathematical Society, 335 (1993), 823-845.
- Normal skew lattices*, Semigroup Forum, 44 (1992), 1-8.
- Skew Boolean algebras*, Algebra Universalis, 27(1990), 497-506.
- Skew lattices in rings* Algebra Universalis, 26 (1989), 48-72.

Constructing inverse monoids from small categories, Semigroup Forum, 36 (1987), 89-116.
The \mathcal{D} -category of a monoid, Semigroup Forum, 34 (1986), 89-116.
Towards a theory of noncommutative lattices, Semigroup Forum, 34 (1986), 117-120.
Cohomology theory for monoid congruences,
Houston Journal of Mathematics, 11 (1985), 207-223.
Extending groups by monoids, Journal of Algebra, 74 (1982), 1-19.
The \mathcal{D} -category of a semigroup, Semigroup Forum, 11(1976), 283-296.
The structure of a band of groups, Memoirs of the American Mathematical Society, 157 (1975), 67-95.
 \mathcal{H} -coextensions of monoids, Memoirs of the American Mathematical Society, 157 (1975), 1-66.

Other publications

Triangles with vertices at roots of unity, American Math. Monthly, 87 (1980), 674.
Filling an open set with squares of specified area, American Math. Monthly, 87 (1980), 755-456.

In Preparation

Distributivity in skew lattices, to be submitted, (with M. Kinyon).

Some Presentations of Research

Mathematics Seminar, University of Tasmania, Hobart, Tasmania, March 2006.
Linear Algebra Workshiop, Lake Bled, Slovenia, May 2005.
Algebra Symposium, Babes-Bolyai University, Cluj-Napoca, Romania, May 2005
Special Session on Lattice Theory and Applications, American Mathematical Society,
National Meeting, San Diego, January 2002.
The Ninth International Colloquium on Numerical Analysis and Computer Science,
Plovdiv, Bulgaria, August 2000.
Symposium on Universal Algebra and Multiple-Valued Logic,
Winter Meeting of the Canadian Mathematical Society, Kingston, Ontario, Dec. 1998.
Workshop on Semigroup Theory in Honor of John W. Howie,
Universidade de Lisboa, Lisbon, Portugal, May 1996.
Conference on Semigroup Theory and its Applications in Memory of Alfred H. Clifford,
Tulane University, New Orleans, Louisiana, March 1994.
Special Session on Algebraic Semigroups,
Regional Meeting of the American Mathematical Society, Springfield, MO, March 1994.
International Conference on Lattices, Semigroups and Universal Algebras,
Lisbon, Portugal, June 1988.
Algebra Colloquium, Departamento de Algebra, Universidad de Granada,
Granada, Spain, June 1988.
Ring Theory Seminar, University of California, Santa Barbara, October 1986.
NIH Conference on Universal Algebra and Lattice Theory, Bethesda, Maryland, August 1986.

Other Scholarly and Professional Activities

Frequent reviewer for Mathematical Reviews.
Referee of numerous articles for various professional journals.
External reader for various doctoral dissertations.
Templeton-Oxford Seminars on Science and Religion, Oxford University, 1999–2001.
Workshop on Mathematics in the Arts and Humanities, Dartmouth, July 1998.
Workshop on Universal Algebra and Category Theory, MSRI, Berkeley, July 1993.
20th International Congress of Mathematicians in Berkeley, August 1986.