William Lindall Paschke (1946-2019)

V. Manuilov

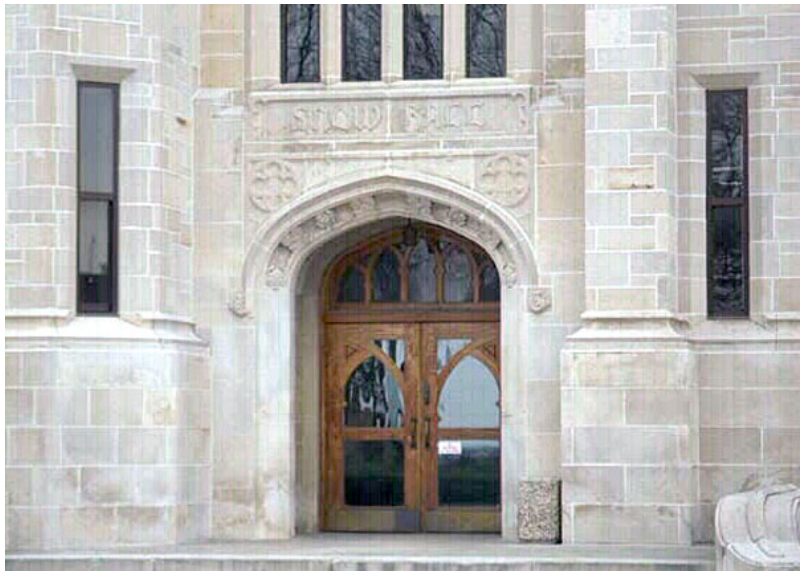
Hilbert C^*-Modules Online Weekend
December 5-6, 2020

William L. Paschke (1946–2019)

Biography

- 1946 — born in New York City.
- 1967 — earned a B.A. in mathematics from Dartmouth College.
  Served as the classical music director and disc jockey for the campus radio station at the time of undergraduate studies.
- 1969 — received an M.A. from the University of Oregon.
- 1972 — received a Ph.D. from the University of Oregon under the direction of Paul Civin.
  Ph.D. Thesis: “Hilbert B-Modules and Completely Positive Maps”
- 1972 — took a position at the University of Kansas, where he was a faculty member for 39 years, until retirement.

Math Department of KU



In the second half of the last century, Mathematical Department of the University of Kansas was an outstanding place for functional analysis and operator theory:

In 1951-1977 the analysis group was leaded by Nachman Aronszajn.

In the last decades of the last century, the analysis group united professors John Bunce, Norberto Salinas, Harald Upmeier and Bill Paschke.

Lawrence, KS

Since 1972 lived in Lawrence, Kansas.

Lawrence: a town with history.

Local elections in 1856 were one of the starting points of the civil war.

One can still find a horse hitching post in the downtown.

Publications by W. L. Paschke

- Completely positive maps on U^*-algebras. *Proc. Amer. Math. Soc.* **34** (1972), 412–416 [cited: 1].
- A factorable Banach algebra without bounded approximate unit. *Pacific J. Math.* **46** (1973), 249–251 [cited: 4].
- Inner product modules over B^*-algebras. *Trans. Amer. Math. Soc.* **182** (1973), 443–468 [cited: 236].
- The double B-dual of an inner product module over a C^*-algebra B. *Canad. J. Math.* **26** (1974), 1272–1280 [cited: 9].
- Inner product modules arising from compact automorphism groups of von Neumann algebras. *Trans. Amer. Math. Soc.* **224** (1976), 87–102 [cited: 10].
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- (with J. W. Bunce) Quasi-expectations and injective operator algebras. *Lecture Notes in Math.,* **650**, 123–125, Springer, 1978.
- Relative commutant of a von Neumann algebra in its crossed product by a group action. *Math. Z.* **163** (1978), 5–13.
- (with N. Salinas) Matrix algebras over O_n. *Michigan Math. J.* **26** (1979), 3–12 [cited: 14].
- (with N. Salinas) C^*-algebras associated with free products of groups. *Pacific J. Math.* **82** (1979), 211–221 [cited: 22].
- The crossed product of a C^*-algebra by an endomorphism. *Proc. Amer. Math. Soc.* **80** (1980), 113–118 [cited: 59].
- (with J. W. Bunce) Derivations on a C^*-algebra and its double dual. *J. Funct. Anal.* **37** (1980), 235–247 [cited: 7].
- K-theory for commutants in the Calkin algebra. *Pacific J. Math.* **95** (1981), 427–434 [cited: 29].

- K-theory for actions of the circle group on C^*-algebras. *J. Operator Theory* **6** (1981), 125–133 [cited: 14].
- K-theory for actions of the circle group on C^*-algebras. *Contemp. Math.,* **10**, 139–141, Amer. Math. Soc., 1982.
- On the mapping torus of an automorphism. *Proc. Amer. Math. Soc.* **88** (1983), 481–485 [cited: 5].
- $\mathbb{Z}_2$-equivariant K-theory. *Lecture Notes in Math.*, **1132**, 362–373, Springer, 1985 [cited: 3].
- (with J. Anderson) The K-theory of the reduced C^*-algebra of an HNN-group. *J. Operator Theory* **16** (1986), 165–187 [cited: 3].
- (with J. Anderson) The rotation algebra. *Houston J. Math.* **15** (1989), 1–26 [cited: 36].
- Some operator-algebraic aspects of the theory of infinite graphs. *Contemp. Math.,* **120**, 123–125, Amer. Math. Soc., 1991.
- The flow space of a directed G-graph. *Pacific J. Math.* **159** (1993), 127–138.

- Lower bound for the norm of a vertex-transitive graph. *Math. Z.* **213** (1993), 225–239 [cited: 7].
- A numerical invariant for finitely generated groups via actions on graphs. *Math. Scand.* **72** (1993), 148–160 [cited: 2].
- An invariant for finitely presented $\mathbf{C}G$-modules. *Math. Ann.* **301** (1995), 325–337 [cited: 3].
- L_2-homology over traced $*$-algebras. *Trans. Amer. Math. Soc.* **349** (1997), 2229–2251 [cited: 2].
- Pure eigenstates for the sum of generators of the free group. *Pacific J. Math.* **197** (2001), 151–171 [cited: 9].
- Some irreducible free group representations in which a linear combination of the generators has an eigenvalue. *J. Aust. Math. Soc.* **72** (2002), 257–286 [cited: 6].
- (with L. H. Mitchell) Simplicity of C^*-algebras using unique eigenstates. *J. Operator Theory* **64** (2010), 321–347.