

Curriculum Vitæ

Helmut Knaust

Associate Professor

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Professional Preparation

1974–1977 Universität Bielefeld, Germany. Studies in Mathematics and Economics.

1977–1983 Rheinische Friedrich-Wilhelms Universität, Bonn, Germany. Studies in Mathematics, Economics and Educational Sciences. Degree: Diplom-Mathematiker, 1983.

1983–1989 The University of Texas at Austin. Degree: Ph.D., Mathematics, 1989.

Appointments

2003–2008 Department Chair, Department of Mathematical Sciences, The University of Texas at El Paso.

2001–2003 Associate Dean, Colleges of Science and Engineering, The University of Texas at El Paso.

2001–2003 Director of *CircLES*, the Entering Students Program for Science, Engineering and Mathematics, The University of Texas at El Paso.

1997–present Associate Professor, The University of Texas at El Paso.

1991–1997 Assistant Professor, The University of Texas at El Paso.

1989–1991 Visiting Assistant Professor, Oklahoma State University, Stillwater OK.

Relevant Publications

1. Ariana Arciero-Pino, Benjamin Flores, and Helmut Knaust. *The University of Texas System Louis Stokes Alliance for Minority Participation: A State-wide Initiative to Promote STEM Undergraduate Research*. Proceedings of the 42nd ASEE/IEEE Frontiers in Education Conference, 2012.
2. Tuncay Aktosun, Ariana Arciero, Benjamin Flores, Helmut Knaust, and Cristina Villalobos. *The Bridge to the Doctorate Experience: A Reflection on Best Practices and Project Outcomes*. Proceedings of the 41st ASEE/IEEE Frontiers in Education Conference, 2011.
3. Ariana Arciero, Benjamin Flores, and Helmut Knaust. *International Conference Participation for Undergraduate Scholars through the University of Texas System Louis Stokes Alliance for Minority Participation*. Proceedings of the 40th ASEE/IEEE Frontiers in Education Conference, 2010.
4. Benjamin Flores, James Becvar, Ann Darnell, Helmut Knaust, Jorge Lopez and Josefina Tinajero. *Implementing Peer Led Team Learning in Gateway Science and Mathematics Courses for Engineering Majors*. Proceedings of the 2010 American Society for Engineering Education Annual Conference and Exposition, 2010.

5. Connie Kubo Della-Piana, Ann Darnell, Julia Bader, Lilly Romo, Nohemi Rubio, Benjamin Flores, Helmut Knaust, Thomas Brady, and Andrew Swift. *A Longitudinal Study of Student Persistence in Science, Technology, Engineering, and Mathematics (STEM) at a Regional Urban University*. Proceedings of the 2003 American Society for Engineering Education Annual Conference and Exposition, 2003.

Other Significant Publications

1. Helmut Knaust. *Analysis on the Real Line*. Accepted for publication in the “Journal of Inquiry-Based Learning in Mathematics” (September 2009).
2. M.A. Khamsi, H. Knaust, N.T. Nguyen and M.D. O’Neill. *Lambda-Hyperconvexity in Metric Spaces*. *Nonlinear Analysis* 43 (2001), 21-31.
3. H. Knaust, E. Odell and Th. Schlumprecht. *On Asymptotic Structure, the Szlenk Index and UKK Properties in Banach Spaces*. *Positivity* 3 (1999), 173-199.
4. Helmut Knaust. *Some isomorphic preduals of ℓ_1 which are isomorphic to c_0* . *Rocky Mountains Journal of Mathematics* 27 (1997), 181-186.
5. H. Knaust. *Angelic spaces with the Ramsey property*. pp. 267–273, in: “Interaction Between Functional Analysis, Harmonic Analysis and Probability, Proceedings”, N. Kalton, E. Saab, S. Montgomery-Smith (eds.), Marcel Dekker, New York, 1995.

Synergistic Activities

- LSAMP: Undergraduate research experiences for STEM students at the University of Texas System and at participating community colleges; mentoring of two cohorts of beginning Ph.D. students at UTEP.
- I-STAR: Implementation of *Peer-Led Team-Learning* in freshmen chemistry, mathematics and physics courses at UTEP.
- Programa MECESUP: Higher education consulting for several Chilean universities.
- S.O.S. Mathematics: Creation and maintenance of a commercial mathematics help website (<http://www.sosmath.com>).

Collaborators & Other Affiliations

Collaborators: Tuncay Aktosun (UT Arlington), Bruce Atwood (Beloit College, St. Beloit WI), Catherine Bénéteau (University of South Florida, Tampa), Philip Cohen (UT Arlington), Benjamin C. Flores (UTEP), Ann Gates (UTEP), Juan González (UT Dallas), Susana G. González (Universidad del Bío-Bío, Concepción, Chile), Joe A. Guthrie (UTEP), Caroline Haddad (SUNY Geneseo), Raul Jimenez Alarcon (Universidad Católica del Norte, Antofagasta, Chile), Jorge Lopez (UTEP), Patricia Nava (UTEP), Joanne Peeples (El Paso Community College), David Ruch (Metropolitan State University of Denver), Emil D. Schwab (UTEP), Gabriela Schwab (El Paso Community College), Patrick Van Fleet (University of St. Thomas, St. Paul MN), Cristina Villalobos (UT Pan American, Edinburg)

Ph.D. Advisors: Haskell P. Rosenthal (UT Austin, retired), Edward W. Odell (UT Austin, deceased).

Master Thesis Supervised: Adrian Delgado (UTEP, 2012).