

## **Tenzer Family University Professor in Instructional Technology 2006-2011**

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The inaugural recipient of this professorship (for 2001-2006) was Dennis Trinkle. For 2006-2011, we have appointed two of our faculty colleagues, David Berque and Robert Hershberger, each of whom has been notable for innovative use of information technology and each of whom has already demonstrated a remarkable commitment to supporting and mentoring faculty colleagues' uses of information technology in their teaching.

**David Berque** joined the faculty at DePauw in 1992 as Assistant Professor of Computer Science after earning the B.A. degree in Computer Science (as an Independent Major) in 1985 from Haverford College, and the M.S. degree in 1987 and the Ph.D. degree in 1991 in Computer Science from Rensselaer Polytechnic Institute. He was promoted to associate professor in 1997 and to professor in 2005.

He is an inspiring teacher as evidenced by the enthusiastic assessments of his teaching by both colleagues who team-teach with him and students in his classes at all levels. His students uniformly praise him for the clarity of his explanations of concepts. They describe him as the best, or one of the best, professors they have had at DePauw, even as they rank his courses as rigorous, demanding, and challenging. He was invited to speak at the senior convocation the evening before commencement in both 1996 and 1998. He has taught a wide range of Computer Science courses at all levels including a First Year Seminar entitled, "The Science of Design," Computer Science I and II, Data Structures & Algorithms, Computer Organization, Compilers, Operating Systems, Theory of Computation, and Seminar in Human Computer Interaction (HCI).

He describes the setting up of an optimal learning environment as being "like building a chain from interconnected links. Each individual link in the chain must be strong, the connections between the links must hold fast, and the chain must be used with the understanding the even a single weak link can be disastrous. Similarly, when conducting a course it is clear that class sessions must be well-planned, assignments must be challenging but not impossible, tests must be fair, and feedback must be both timely and constructive." His students respond in kind with admiration and respect. They credit him with being one of the most influential players in their DePauw experiences and in their lives. They cite him as one of the few "deserving all 6's on a 6-point scale." And they say, as one notes, "he has a genuine concern for the students both in class and with their futures. He helps me whenever I need it."

He is well known among his colleagues for his disciplined approach to scheduling appointments, for his prompt and efficient conduct of meetings and for his interest in promoting all aspects of the liberal arts residential community. He served on the Student Achievement Committee for six years, chaired the President's Task Force to Review University Judicial Procedures, chaired the advising committee for three years, served a three-year term and as chair for the First-Year Seminar Committee, served as a member of the Management Fellows Steering Committee for five years, served as a founding member and later chair of the Academic Computing Advisory Task Force (now termed the Academic Technology Advisory Committee), and served as the UNIX system administrator and laboratory manager for the Computer Science Department's network of SUN workstations from 1994-2002. He is legendary as a faculty adviser to students at all levels, with his number of advisees reaching more than 40 in several different years. He has also served as the faculty advisor to the Inter Fraternity Council.

In his research, he has focused on the design and development of computer supported cooperative work, groupware that uses electronic whiteboards and pen-based computers to enhance the way teachers and students share written information during class. This research has been pursued vigorously at DePauw with colleagues in the department and with undergraduate collaborators. Among the co-authors on his last four papers, students outnumber faculty members two to one, and he and his colleagues at DePauw have garnered NSF support to manage a site for undergraduate research in computer science for nine straight years, serving about seventy-five computer science students from DePauw and other colleges and universities. He has served as the principal investigator for the management of these summer research programs, which have received over four hundred thousand dollars of grant support.

For the past decade, he has been working on a prototype of a groupware system called DEBBIE (DePauw Electronic Black Board for Interactive Education), for which he has gained private and federal funding, and which has gained widespread recognition and acclaim in its several successive iterations, now commercialized as DyKnow Vision. He has worked as a FITS program

advisor to support faculty colleagues wishing to use DyKnow in their teaching. In 2005, his chapter "Teaching as a Balancing Act: Strategies for Managing Competing Objectives" appeared in *The Art of College Teaching: 28 Takes*. He has also served as project leader for the work of a liberal arts college team seeking to develop and deploy a database of useful questions drawn from the ETS Major Field Test for Computer Science.

A colleague writes: "I am very impressed by what he has been able to accomplish at DePauw. His dedication to and enthusiasm for teaching are exemplary. His investigations into ways to enhance education through innovative uses of technology have produced results, which compare favorably with, and even surpass, those obtained at 'big name' graduate research institutions with their armies of graduate students and strong external funding."

He was recognized in 1997 by the Carnegie Foundation for the Advancement of Teaching as the Outstanding Baccalaureate Colleges United States Professor of the Year and by DePauw for his sustained excellence in teaching, scholarship and service with the award of a University Professorship for 2001-2005.

His national and international conference presentations include: "Promoting Classroom Interactivity with Electronic Whiteboards, Tablet PC's, and DyKnow" (2004), "New Directions in K-12 educational technology - handheld computing and Tablet PCs in the K-12 classroom," "Promoting Student Engagement with DyKnow Vision software and Tablet PCs, Standard Laptops or PCs" (2005).

He recently received the basic patent on the DEBBIE system (# 7,003,728 B2 entitled "System for Knowledge Transfer in a Group Setting," issued on February 21, 2006). He is co-author on a number of other patent applications for further developments in the system.

**Robert Hershberger** joined the faculty in 1998 as Assistant Professor in Modern Languages - Spanish and was promoted to associate professor in 2004. For 2006-09 he will serve as chair of the Modern Languages Department. He earned the B.A. degree from Grinnell College in 1987, the M.A. degree from the University of New Mexico in 1992, and the Ph.D. degree from the University of Kansas in 1999. For 2006-2009 he will serve as chair of the Modern Languages Department.

Recognized by his students and colleagues as a master teacher, he is ever willing to consult with and assist his colleagues in their teaching and is dedicated to the success of each individual student. He has taught Spanish language and literature at many different levels in the DePauw curriculum. His advanced courses include Spanish Cinema, Latin American Fiction, Spanish Literature under Franco, Ecuadorian Literature, Literature of Spain and the Senior Seminar. He has taught a first-year seminar "The 20th Century through the Camera's Eye: An International Perspective" and a Modern Languages and Film Studies course on European Cinema. He is innovative in his teaching in using objects, text and computer-based materials drawing on resources in Spanish-speaking communities, and in creating web-based materials. He has shared these resources with the Spanish Instructional Communities through adopting the publication of textbooks and other instructional materials as a major aspect of his scholarly work. He is also an effective practitioner of "service learning," engaging his students in community service projects ranging from translations and language lessons to community-based information technology initiatives which enhance student engagement and student learning.

He has shared his passion for teaching and learning with students and colleagues in other countries. Prior to coming to DePauw, he taught Spanish and English as a Second Language in several colleges and universities and in Nanjing, China; Mokpo, South Korea; and Santiago de Compostela, Spain. In summer 2004, he served as a visiting faculty member at the AHA Segovia Program where he taught Postmodernist Spanish Literature.

He was recognized by DePauw and the General Board of Higher Education of the United Methodist Church with the Exemplary Teaching Award in fall 2004 and he was recognized for his sustained excellence in teaching and service in the award of DePauw's Distinguished Professor Award for 2005-2007.

In his service, he has provided an exemplary mix of departmental, University, community and professional contributions. He has led three Winter Term in Service (WTIS) Trips and contributes regularly to the WTIS steering committee, the Hartman Center steering committee and the Bonner Scholar steering committee. He has served as a Faculty Instructional Technology Support (FITS) liaison, working especially closely with colleagues in the Modern Languages Department. He organized the Crimmel Colloquium in fall 2003 entitled, "Service-Learning and Community-Based Research in Liberal Education." He edited the DePauw magazine of art and languages *Integrare* for spring 2002. He served as coordinator and co-chair of the Film Studies Program from fall 2001-2005. He has represented DePauw at meetings of Campus Compact and the Bonner Scholars Program.

One of his most remarkable service endeavors is the design and leadership of one of the most effective and innovative of our community service programs, the Community Technology Enhancement Program (CTEP), an organization of students, staff, faculty members and community partners who refurbish computers and place them with community service organizations and students and families; over 200 computers have been placed in Putnam County under this program.

In spring 2004, he was elected to a three-year term on the Committee on Faculty after completing a three-year term on the Student Life and Academic Atmosphere Committee which he chaired for a year. He serves on the editorial board for Spanish of the REALIA Project and as a Translation Coordinator for the Prosecuting Attorney for Allen County, Indiana. He has been host and

sponsor for a number of student interns in Modern Languages, Film Studies, and the CTEP program. He has earned both his Speaking and Listening and Writing competency certifications and has taught courses contributing to both programs. He has served as the faculty academic adviser for SAE fraternity. He is the faculty sponsor for the Students Promoting Active Citizen Engagement program at DePauw, served as a member of the Community Conduct Council, and directs the "Amigos de Greencastle" program, a teacher training program.

In addition to serving as a FITS liaison, particularly for language instruction, he has also contributed to regional and national information technology workshops on such topics as "Film and/or media: together or separate?" (2004), "Creating and Using MP3 Voice Files in Spanish Conversation and Phonetics classes" (2004), "Taking the Next Step: Creating and Using Interactive, Configurable Instructional Materials" (2001), and "Using Technology Wisely in the College Spanish Classroom." (2000).

His work was recognized with the Liberty Bell Award in April 2004 from the Indiana State Bar Association for his "Community Service which Strengthens the American System of Freedom Under Law." He also received the Indiana Campus Compact Community Service Director Fellowship in 2002-2003 and the NAACP-ACT-SO Award for Community Service in 2002. He is also widely recognized by members of the Greencastle community and the DePauw Community for his patient and helpful response to every request for assistance.

His publications include two editions of a first-year Spanish textbook *Plazas: Lugar de encuentro para la hispanidad* which first appeared in 2000 and a new second-year textbook *Rumbos* which appeared in November 2005. He has also produced 5 CD ROMs as instructional aids, contributed five articles published in refereed journals, made twenty formal meeting presentations, and offered a dozen workshops. Of particular note is that he has drawn his colleagues in as collaborators on many of his projects to develop texts and supporting instructional materials.

During his current sabbatical in Spain he is also supervising ITAP students and has launched an on-line literary magazine called *El Adelantado de Indiana* which he is co-editing with colleagues Francisco Otero and Ramón Mayrata. The magazine is being published as a collaborative effort between a group of Segovian writers and artists and their counterparts at universities in the Americas and beyond. He has supervised Jordan Harp, DePauw ITAP Associate on assignment in Segovia, who created the electronic template that makes this publication possible. In order to view the journal, visit <http://www.adelantadodeindiana.co.nr>