

## **Dr. Brent Donham**

Dean, College of Science & Engineering  
Texas A&M University-Commerce  
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### **EDUCATION**

Ed.D. in Educational Administration  
Texas A&M University – Commerce, Commerce, Texas

M.S. in Electrical Engineering  
Stanford University, Stanford, California

B.S. in Electrical Engineering  
New Mexico State University, Las Cruces, New Mexico

### **APPOINTMENTS**

Aug. 2014 - Present	Dean, College of Science & Engineering Texas A&M University-Commerce, Commerce, Texas
Jan. 2009 - July 2014	Department Head & Associate Professor, Engineering & Technology Texas A&M University-Commerce, Commerce, Texas
Sept. 2008 - Jan. 2009	Associate Vice President, Engineering & Tech/Educational Transitions Richland College, Dallas, Texas
Sept. 2005 - Aug. 2008	Executive Dean, School of Engineering & Technology Richland College, Dallas, Texas
Sept. 2000 - Aug. 2005	Dean of Instruction, Engineering Technology & Emerging Programs Richland College, Dallas, Texas
Sept. 1998 - Aug. 2000	Associate Dean, Technology Programs Richland College, Dallas, Texas
Aug. 1996 - Aug. 1998	Teaching Administrator Richland College, Dallas, Texas

## TEACHING EXPERIENCE

- 2009 – Present      Courses Taught  
CONS 471 Construction Internship  
IT 471 Industrial Internship  
IT 112 Product Design & Development  
IE 431 Principles of Programmable Automation  
TMGT 595 Applied Research in Engineering & Technology
- 1996 – 2008      Courses Taught  
CETT 1403 DC Circuits  
CETT 1425 Digital Fundamentals  
CETT 2337 Microcomputer Control  
NANO 1301 Introduction to Nanotechnology  
SMFT 1343 Semiconductor Manufacturing I  
SMFT 2343 Semiconductor Manufacturing II  
TECM 1341 Technical Algebra

## PUBLICATIONS

- Elam, M. E., Donham, B. L., & Solomon, S. R. (2012). An engineering summer program for underrepresented students from rural school districts. *Journal of STEM Education: Innovations and Research*, 13(2), 35-44.
- Donham, B. L. (2012). Attitude or emotion: Impact of summer engineering camps. *Proceedings of the 2012 American Society for Engineering Education Gulf-Southwest Conference*.
- Donham, B. L. (2011). Impact of engineering summer camps on rural students. *Proceedings of the 2011 American Society for Engineering Education Gulf-Southwest Conference*.
- Donham, B.L., & Elam, M. (2010). Promoting interest in engineering in rural school districts through summer camps. *Proceedings of the 2010 American Society for Engineering Education Gulf-Southwest Conference*.
- Donham, B. L. (2009). Articulated Associate in Science engineering degree. *Proceedings of the 2009 American Society for Engineering Education Gulf-Southwest Conference. Faculty Third Place Best Paper Award*.
- Donham, B., Jones, W., & Ntafos, S. (2008). The Telecom Corridor Alliance. *Proceeding from the 2008 Texas Engineering and Technical Consortium Best Practices Conference*. Southern Methodist University, February 28-29, 2008, Session 2, Advancing Successful Articulation and Transfer Agreements with Community Colleges.
- Donham, B. L. (2006). A comparative analysis of student performance and attitudes in traditional advanced placement courses and advanced placement courses with dual credit overlay. *Dissertation Abstracts International*, 66(11), 3873A. (UMI No. 3196384). *NCPEA - Mophet Dissertation Award Winner*
- Donham, B. (2003, October/November). Maintaining high-tech programs on a low-tech budget. *Community College Journal*, 74(2), 23-34.

Gilbert, B., Randall, B., Donham, B., Schwab, D., Benson, D., Tuckerman, D., & Goodwin, W. (1997, February). Implementation of a gallium arsenide multichip digital circuit operating at 500-1000 MHz clock rate using a Si/Cu/SiO<sub>2</sub> MCM-D technology. *IEEE Transactions on Components, Packaging, and Manufacturing Technology – Part B*, 20(1), 17-26.

Randall, B., Schwab, D., Donham, B., Tuckerman, D., Benson, D., Jsu, R., Brathwaite, N., Enquist, S., Carr, K., Wendel, S., Seawright, K., Goodwin, W., & Gilbert, B. (1993, September). GaAs digital MCM in Si/Cu/SiO<sub>2</sub> technology for clock rates up to 1 GHz. *Proceedings International Electronics Packaging Conference, San Diego, California, 1*, 615-627.

<b>SELECT PRESENTATIONS</b>
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“STEM Education”, Society for Design and Process Science (SDPS) 2015 International Conference, Ft. Worth, TX. *Invited keynote.*

“Implementation of a Technology Management Skills & Knowledge Analysis”, The Association of Technology, Management, and Applied Engineering (ATMAE) 2014 Annual Conference, St. Louis, MO.

“Attitude or emotion: Impact of summer engineering camps” American Society for Engineering Education Gulf-Southwest Conference, El Paso, Texas 2012.

“Impact of Engineering Summer Camps on Rural Students”, American Society for Engineering Education Gulf-Southwest Conference, Houston, Texas, 2011.

“Promoting Interest in Engineering in Rural School Districts through Summer Camps”, American Society for Engineering Education Gulf-Southwest Conference, Lake Charles, Louisiana, 2010.

“Community College Partnerships – Sharing of Best Practices”, Texas A&M System Engineering Consortium, College Station, Texas, 2010. *Invited presentation.*

“An Articulated Engineering Transfer Program Model”, Texas Association of College Technical Educators Spring 2009 Conference, Austin, Texas, 2009.

“Articulated Associate in Science Engineering Degree”, American Society for Engineering Education Gulf-Southwest Conference, Waco, Texas, 2009. *Faculty Third Place Best Paper Award.*