

DANIEL M. HULL
Executive Director, OP-TEC: The National Center for Optics and Photonics Education
Executive Director, CORD Foundation
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PROFESSIONAL PREPARATION

UNIVERSITY OF TEXAS Bachelor of Science, Electrical Engineering	1960
JOHNS HOPKINS UNIVERSITY Graduate Studies, Electrical Engineering	1961–1962
UNIVERSITY OF PITTSBURGH Master of Science, Electrical Engineering	1963

APPOINTMENTS

OP-TEC: THE NATIONAL CENTER FOR OPTICS AND PHOTONICS EDUCATION, Waco, Texas Executive Director	July 2006– Present
CORD FOUNDATION, Waco, Texas Executive Director	July 2006– Present
CORD, Waco, Texas President and Chief Executive Officer	1979–2006
TECHNICAL EDUCATION RESEARCH CENTERS, Waco, Texas Manager, SW Center: Development of original Laser Electro/Optical Technician curriculum	1973–1979
LOCKHEED ELECTRONICS CORPORATION, Houston, Texas (NASA) Lasers and Avionics Engineering Supervisor, Manager	1968–1973
SANDIA CORPORATION, Albuquerque, New Mexico Staff Engineer: Research in Lasers and Explosives Photoinitiation	1964–1968 1968–1970
Consultant to the U.S. Atomic Energy Commission on Lasers and High Intensity Light Sources	
WESTINGHOUSE ELECTRIC CORPORATION, Baltimore Maryland Laser Engineer: HeNe and Ruby Laser Development; High Energy Laser Damage Effects	1960–1964

PUBLICATIONS

- ◆ *Photonics Alumni Council for Technicians: Presentation Book*, Waco TX, OP-TEC, 2009
- ◆ Hull, Dan, and Chrys Panayiotou, *Infusing Defense and Homeland Security Photonics Education into Electronics Engineering Technology AAS Programs: A Program Planning Guide*. Waco, Texas: OP-TEC, 2008.
- ◆ Hull, Dan, and Chrys Panayiotou, *Infusing Biomedical Applications of Photonics into Electronics Engineering Technology AAS Programs: A Program Planning Guide*. Waco, Texas: OP-TEC, 2008.
- ◆ Hull, Dan, Greg Kepner, Bill Gray, and Frank Reed. *Infusing Photonics Education into Manufacturing Technology AAS Programs: A Program Planning Guide*. Waco, Texas: OP-TEC, 2008.
- ◆ Hull, Dan, Fred Seeber, and Raman Kolluri, *Infusing Photonics Education into Telecommunication Technology AAS Programs: A Program Planning Guide*. Waco, Texas: OP-TEC, 2008.
- ◆ Hull, Dan, and John Pedrotti, *Infusing Photonics Education into Optoelectronics AAS Programs (Semiconductors, MEMS, and Nanotechnology): A Program Planning Guide*. Waco, Texas: OP-TEC, 2008.

- ♦ Hull, Dan, and Richard Hinckley, *Career Pathways for Adults: Providing a Second Chance in Public Education*. Waco TX: CORD Communications, 2007.
- ♦ Hull, Dan. *Career Pathways: Education with a Purpose*. Waco, TX: CORD Communications, 2005
- ♦ “Redefining CTE: Seizing a Unique Opportunity to Help the ‘Neglected Majority’ Become World-Class Students, Workers and Citizens,” *Techniques*, May 2003.
- ♦ Hull, Dan, and Julie Hull Grevelle. *Tech Prep: The Next Generation*. Waco, Texas: CORD Communications, Inc., 1998.
- ♦ “The Coming Challenge” (with John Souders), *Community College Journal*, Oct/Nov 1996.
- ♦ Hull, Dan. *Who Are You Calling Stupid? The Revolution That’s Changing Education*. Waco, Texas: CORD Communications, Inc., 1995.
- ♦ “Changing the Way We Teach to Match the Way We Learn: The Case for Contextual Learning in Our Schools,” *The Journal of the Texas Association of Colleges for Teacher Education*, 1995.
- ♦ “Adaptability Through Modular Instructional Materials,” *Technical Education Reporter*, 1994.
- ♦ Hull, Dan. *Opening Minds, Opening Doors: The Rebirth of American Education*. Waco, Texas: CORD Communications, Inc., 1995.
- ♦ *Tech Prep: An Innovative Approach in Workforce Training*. Westerville, Ohio: International Vocational Education and Training Association, Spring 1994.
- ♦ “Tech Prep for Engineering Technology Education,” *Frontiers in Education*, ASEE, 1993.
- ♦ Hull, Dan, and Dale Parnell. *Tech Prep Associate Degree: A Win/Win Experience*. Waco, Texas: Center for Occupational Research and Development, 1991.
- ♦ Many articles in *Connections* (NTPN newsletter). Sample titles: “Tech Prep As a Change Agent” (vol. 13, no. 2), “Making Transitions Possible for All Students” (vol. 13, no. 1), “Contextual Teaching: The Unique Contribution of Tech Prep” (vol. 12, no. 8), “Career Cluster Curriculum: The Blueprint for Change” (vol. 12, no. 7), “Using CTE As the Context for Restructuring High Schools: What help will the CTE teachers require?” (vol. 12, no. 5), “Tech Prep and Career Academies: A ‘marriage made in high school’” (vol. 12, no. 4).

SYNERGISTIC ACTIVITIES

National/International Leadership in Career and Technical Education—

Partnered OP-TEC with the NSF/ATE ICT Center and the MATEC Center to organize HI-TEC, a national conference designed to highlight the products, services, and leadership activities of NSF/ATE projects and centers, 2008. HI-TEC expanded to include more Centers in 2009, 2010.

Partnering with seven EU countries to form EduPhotonics (Bordeaux FR) an EU organization modeled after OP-TEC.

Writes a weekly blog on the OP-TEC website highlighting issues and initiatives in emerging technologies that influence postsecondary technical education.

Founded Tech Prep, a nationwide, federally funded education reform initiative designed to facilitate student movement along career pathways, enhance students’ academic achievement and career focus, and facilitate transitions from secondary to postsecondary education (especially two-year colleges).

Organizational Management—As CEO of CORD Communications, Inc., and CORD International; Executive Director and Trustee of CORD Foundation; and President and CEO of CORD, directed a staff of over 60 employees, controlled aggregate annual budget in excess of \$12 million, and managed an investment fund. (1979-2006)

Coalition Building—Founded the National Coalition of Advanced Technology Centers (NCATC). Founded CORD President’s Council for Community and Technical Colleges.

Technology Development and Integration into Teaching and Learning—Designed the Virtual Teaching Center and the Learning Technology Center in Waco, Texas, to train educators in the use of videoconferencing, multimedia, and other high-tech tools. Established the Roney Teaching Center, wherein over 10,000 secondary educators were taught the “hands-on,” contextual teaching approach to mathematics and science education.

Technology Curriculum Design and Use—Developed and taught courses in high-tech fields such as lasers, fiber optics, electronic devices, and nuclear radiation protection. Wrote training materials for laser/electro-optics technology curricula. At Lockheed was responsible for the retraining of approximately 600 engineers.