Jerry O'Connor, M.S. 1300 San Pedro Ave, San Antonio, TX 78212 Office: (210) 486-1300 joconnor@alamo.edu

Current Title. Chair of Physics, Engineering, and Architecture Department

Education.

M.S. - Physics; Murray State University; Murray, KY (1981)

B.S. - Physics; Northern Michigan University; Ann Arbor, MN (1976)

Professional Society Memberships.

American Association of Physics Teachers American Society for Engineering Education

Administrative Experience.

Coordinator of the San Antonio College Judging Team; Mayor's Teacher Recognition Award (2009)

Co-Developer of Physics Outreach Program for San Antonio Teacher (2008 - 2010)

Coordinator for 4th, 5th, and 6th Annual Science and Mathematics Saturday (October 2005, 2006, 2007)

Budget Manager of National Science Foundation Grant; San Antonio College (1996 - Present)

Budget Manager of Department Education Grant; San Antonio College (1996 - Present)

Campus Coordinator; Texas AMP; San Antonio College (1994 - 2002)

Chair of Physics, Engineering, and Architecture Department; San Antonio College (1992 - Present)

Teaching Experience.

Instructor, Assistant Professor, and Associate Professor of Physics; San Antonio College (1987 - Present)

Adjunct Instructor of Physics; Lexington Community College; (January - December 1984)

Visiting Instructor of Physics; University of Kentucky; Lexington, KY (September 1979 - December 1984)

Committee Service.

College Academic Council; San Antonio College (1993 - Present)

Screening Committees for Faculty, Staff, and Administrators; San Antonio College

Schedule Validation Task Force; San Antonio College

Medical Advisory Committee

Lewis Environmental Fund Committee

Seminars and Conference Presentations.

Publishing Teamwork; AAPT Summer Meeting; University of Michigan; Ann Arbor, MN (July 2009)

EDGE 2008 Program - The First Signs of Maturity; ASEE Annual Conference; Austin, TX (June 2009)

Teaching by Design; AAPT-Texas Section Spring Meeting (2004)

Publications.

O'Connor, J. and Marshall, J. (2010); "From Collaboration to Publication"; The Physics Teacher

Marshall, J., Hagedorn, E, and O'Connor, J. (2009); "Anatomy of a physics test: Validation of the physics items on the Texas Assessment of Knowledge and Skills"; Physical Review

O'Connor, J., Peterson, E., Gomes, J., and Cocke, D.L. (2006); "Helical Learning Model", GIREP

Dimitriu, D. and O'Connor, J. (2010); "Community Colleges Can Help Universities During ABET Accreditation Efforts"; ASEE

Dimitriu, D. and O'Connor, J. (2009); "EDGE 2008 Program - The First Signs of Maturity"; ASEE

Dimitriu, D. and O'Connor, J. (2008); "Introduction of Service Learning in a Freshman Engineering Course"; ASEE

Dimitriu, D. and O'Connor, J. (2008); "The Fifth Year of the EDGE Program - A New Beginning"; ASEE

Dimitriu, D. and O'Connor, J. (2007); "The Need for a Quality Control System for Community College Engineering Education"; ASEE

Dimitriu, D. and O'Connor, J. (2007); "The evolution of the EDGE Program in its Fourth Year"; ASEE

Peterson, E., Cocke, D., Gomes, J., Casillas, H., Reed, M., and O'Connor, J. (2007); "Helical Learning Model Applied in an Industrial Electrochemistry Engineering Course"; ASEE

Dimitriu, D. and O'Connor, J. (2006); "The EDGE Summer Program in its Third Year"; ASEE

Dimitriu, D. and O'Connor, J. (2006); "The Advantages of Starting an Engineering Education at a Community College"; ASEE

Dimitriu, D. and O'Connor, J. (2005); "A Strategy for Success: The EDGE Program in the Second Year"; ASEE

Dimitriu, D. and O'Connor, J. (2004); "Forging Stronger Ties between Community Colleges and Four Year Universities"; ASEE

Dimitriu, D. and O'Connor, J. (2004); "Getting an EDGE in Engineering Education"; ASEE O'Connor, J. and Davenport, M. (1995); "Lab Manual for PHYS 1570 ©" O'Connor, J. (1993); "Instructor's Solutions Manual for Facets of Physics"; Culver ©

Professional Development.

AAPT Winter Meeting; Developing Pedagogical Content Knowledge (PCK) for Physics (2009)

National Laser LASER K-*Middle School Science Education Planning Symposium; Washington, D.C (December 1-5, 2005)

National LASER K-8 Science Education Strategic Planning Institute; Washington, D.C. (March 1-6, 2004)

How to Engineer Engineering Education; Bucknell University (July 6-11, 2003)

Quantum Optics; Texas A&M University (PEPTYC II) (2000 - 2003)

Physics Enhancement Program for Two Year College Faculty; Texas A&M University; College Station, TX (1991 - 1993)