

TEXAS STATE VITA

I. Academic/Professional Background

A. Name and Title

Name: Dr. David Donnelly

Title: Professor

B. Educational Background

<i>Degree</i>	<i>Year</i>	<i>University</i>	<i>Major</i>	<i>Thesis/Dissertation</i>
PHD	1990	Univ of California, Santa Barbara	Physics	
BA	1984	Univ of California, Berkeley	Physics	

C. University Experience

<i>Position</i>	<i>University</i>	<i>Comments</i>	<i>Dates</i>
Professor, Not Specified	Texas State University., TX		September 2013 - Present
Professor and Chair, Not Specified	Texas State University., TX		February 2007 - August 2013
Professor, Not Specified	Texas State University., TX		September 2002 - January 2007
Associate Professor, Not Specified	Southwest Texas State University., TX		August 2000 - August 2002
Associate Professor, Not Specified	Sam Houston State University., TX		September 1998 - July 2000
Assistant Professor, Not Specified	Sam Houston State University., TX		January 1992 - September 1998
Staff Researcher, QUEST	U. C. Santa Barbara., CA		April 1991 - November 1991
Research Assistant, Dept. of Physics	U. C. Santa Barbara., CA		January 1987 - December 1990
Teaching Assistant, Dept. of Physics	U. C. Santa Barbara., CA		September 1985 - December 1986

II. TEACHING

A. Teaching Honors and Awards:

Award / Honor Recipient: Presidential Award for Excellence in Teaching, Texas State University.

January 1, 2004

Additional Comments: \-----

The month is also required for the date, entered 01 as default.

B. Courses Taught:

Texas State University:

PHYS 1110 - ELEMENTARY PHY LAB

PHYS 1140 - INTR LAB ASTRON

PHYS 1410 - GENERAL PHYSICS I

PHYS 1430 - MECHANICS

PHYS 2150 - PROF DEV PHYS

PHYS 2230 - INTRO COMP MOD PHYS

PHYS 2425 - ELCTRCTY & MAGNENT

PHYS 2425 - ELECTRICITY AND MAGNETISM

PHYS 2435 - WAVES & HEAT

PHYS 3311 - MECHANICS I

PHYS 3312 - MODERN PHYSICS

PHYS 3320 - INTRO MATH PHYSICS

PHYS 3414 - MECHANICS

PHYS 4310 - ELEC FLD THEORY I

PHYS 4311 - CONDNSD MATTR PHYS

PHYS 4312 - QUANTUM MECH I

PHYS 4315 - ELECTRO THEORY II

PHYS 4320 - SEL STDS IN PHYS

PHYS 4321 - UNDERGRAD RESEARCH

PHYS 5110 - SEMINAR IN PHYSICS

PHYS 5199B - THESIS

PHYS 5302 - ELEC & MAGNETISM

PHYS 5303 - QUANTUM MECHANICS

PHYS 5313 - MATH MTHDS OF PHYS

PHYS 5313 - THEORETICAL PHYSICS

PHYS 5314 - STATISTICAL MECH

PHYS 5331 - ELECTROMAGNETIC FIELD THEORY

PHYS 5331 - ELECTROMG FLD THEO

PHYS 5370 - PROB ADV PHYS

PHYS 5395 - FUND OF RESEAR

PHYS 5398 - INDUSTRY INTERNSHP

PHYS 5399A - THESIS

PHYS 5399B - THESIS

PHYS 5401 - CLASSICAL MECHANCS

PHYS 5999B - THESIS

C. Directed Student Learning (i.e. theses, dissertations, exit committees, etc.):

Member, Master's Thesis, "Examining student thinkin on series approximations using limiting case analysis of charged rings.", Status: In Progress. (September 1, 2023 - Present). Physics, Texas State.

Student(s): Samuel Zamora, Graduate, M.S.

Supervisor / Chair, Independent Study, Status: Completed. (September 1, 2023 - December 5, 2023). Physics, Texas State University.

Student(s): Ikel Hernandez-Casillas, Undergraduate, B.S.

Itai Pomerantz, Undergraduate, B.S.

Additional Comments: Supervised two students in an independent study of Solid State Physics.

Member, Applied Research Project, "Multilevel Analysis of Concept Inventory Results in Introductory Mechanics", Status: Completed. (March 2017 - August 31, 2020).

Physics, Texas State.

Student(s): Jean-Michel Mailloux-Huberdoux, Undergraduate, BS.

Supervisor / Chair, Independent Study, "Quantum Mechanics II", Status: Completed.
(August 2019 - December 2019).

Student(s): Xandria Quichocho, Undergraduate, BS.
Alison Nichols, Undergraduate, BS.
Eugene Hanson, Undergraduate, BS.

Supervisor / Chair, Independent Study, "Nonlinear Dynamics", Status: Completed.
(January 2019 - May 2019). Physics, Texas State University.

Student(s): Gabriel Mestas, Undergraduate, BS.

Supervisor / Chair, Project, "Analysis of CLASS data", Status: Completed. (January 30, 2016 - April 15, 2016). Physics, Texas State.

Student(s): Nichole Libby, Undergraduate, B.S.

Supervisor / Chair, Master's Thesis, "Rasch Analysis of Student Attitude Surveys in a General Education Physics Course", Status: In Progress. (June 1, 2014 - June 1, 2015).

Student(s): Xi Tang, Graduate.

Member, Master's Thesis, "Metalorganic Chemical Vapor Deposition and Investigation of AlGaInN Microstructure", Status: Completed. (June 1, 2014). Physics, Texas State.

Student(s): Jonathan Anderson, Graduate.

Member, Master's Thesis, "The Electric, Magnetic, and Optical Characterization of Permalloy Oxide Grown By Dual Ion Beam Sputtering", Status: Completed. (June 1, 2014). Physics, Texas State.

Student(s): Maclyn Compton, Graduate.

Member, Master's Thesis, "'Quantitative Mobility Spectrum Analysis'", Status: Completed. (2012 - January 1, 2012). Texas State University.

Student(s): Theiss Cunningham, Graduate.

Supervisor / Chair, Master's Thesis, "'FTIR Analysis of Laser Shocked Silicon'". (January 1, 2012). Texas State University.

Student(s): Dominic Chiroro, Graduate.

Member, Subcategory Not Specified, "Effect of Plastic Deformation on a Series of Thin Magnetic Films", Status: Completed. (August 1, 2009 - January 1, 2010).

Student(s): Amanda Gregory, Graduate.

Member, Subcategory Not Specified, "First Principles Study of Thermoelectric Properties of Zinc Oxide Nanowires", Status: Completed. (August 1, 2009 - January 1, 2010). Texas State University.

Student(s): Peter Heinz, Graduate.

Supervisor / Chair, Subcategory Not Specified, "Attenuated Total Reflectance – Fourier Transform Infrared Spectroscopy Analysis of Pulsed Electron Deposited Silicon Dioxide Film on Silicon Substrate", Status: Completed. (January 1, 2009 - January 1, 2010). Texas State University.
Student(s): Patrick Ferguson, Graduate.

Supervisor / Chair, Subcategory Not Specified, "Investigating the Pyro-Optic Properties of Animony Sulfo-Iodide (SbSI)", Status: Completed. (January 1, 2005 - January 1, 2006). Texas State University.
Student(s): Eric Osei-Yiadom, Graduate.

Supervisor / Chair, Subcategory Not Specified, "Optical Properties of Thermally and Athermally Annealed Hafnium Oxide Thin Films on Silicon", Status: Completed. (January 1, 2003 - May 1, 2004). Texas State University.
Student(s): Heather Cain, Graduate.

Supervisor / Chair, Subcategory Not Specified, "Raman and Infrared Spectroscopy of Silicate Films", Status: Completed. (January 1, 1925 - December 1, 2003). Southwest Texas State University.
Student(s): Anita Acevedo, Graduate.

Supervisor / Chair, Subcategory Not Specified, "Effect of Thermal Annealing on Arsenic Ion-implanted Boron-doped Czochralski Silicon", Status: Completed. (January 1, 1996 - May 1, 1997). Sam Houston State University.
Student(s): Yan Bei, Graduate.

Supervisor / Chair, Subcategory Not Specified, "Thermal Annealing of Laser-shocked Silicon: Boron Doped by Ion Implantation with Arsenic", Status: Completed. (January 1, 1925 - January 1, 1996). Sam Houston State University.
Student(s): Jingwei Miao, Graduate.

Supervisor / Chair, Subcategory Not Specified, "Infrared and Electronic Spectral Studies of Electronically Excited C60 and Ag3C60 Films", Status: Completed. (January 1, 1925 - December 1, 1995). Sam Houston State University.
Student(s): Zhengchong Yang, Graduate.

Supervisor / Chair, Subcategory Not Specified, "Investigation of the Effects of Secondary Illumination on the Optical Absorption in Heavily-Doped N-Type GaAs/Al_{0.3}Ga_{0.7}As Multiple Quantum Wells", Status: Completed. (January 1, 1925 - May 1, 1995). Sam Houston State University.
Student(s): Andrew Gannon, Graduate.

Supervisor / Chair, Subcategory Not Specified, "Vibrational and Electronic Absorption Spectra of C60 and C60-", Status: Completed. (January 1, 1925 - May 1, 1994). Sam Houston State University.
Student(s): Jun Wu, Graduate.

Supervisor / Chair, Subcategory Not Specified, "Investigation of Intersubband Optical Absorption in Heavily-Doped N-Type GaAs/Al_{0.3}Ga_{0.7}As Multiple Quantum Wells", Status: Completed. (January 1, 1925 - May 1, 1994). Sam Houston State University.

Student(s): Xiqi Tang, Graduate.

D. Courses Prepared and Curriculum Development:

PHYS1430, Texas State University. Taught: August 2010 - December 2010.

PHYS3414, Texas State University. Taught: August 2000 - December 2004.

PHYS1110, Texas State University. Taught: January 2003 - January 2004.

PHYS 2150 (Professional Development), First Time Course Preparation, Texas State. Taught: August 2019 - December 2019.

Additional Comments: I taught this course the first time it was offered in fall, 2019.

Integrated reformed instruction methods into PHYS4310 and PHYS4315, First Time Course Preparation, Texas State University. Taught: September 2011 - May 2013.

E. Teaching Grants and Contracts

1. Funded External Teaching Grants and Contracts:

Close, H. (Principal), Donnelly, David (Co-Principal), Close, E. (Co-Principal). Communities and Pathways: Cultivating Science Educator Identity for Undergraduates through an Inclusive Physics Learning Assistant Program and Alignment of STEM Degrees with Teacher Certifications, Funding Source not specified, Other, \$350,000.00. (Submitted: January 1, 2013, Funded: January 1, 2013 - December 1, 2014). Grant.

Additional Comments: (NSF DUE - 1240036)

Funding Source not specified (Federal, State, Private, Institutional, etc.)

2. Submitted, but not Funded, External Teaching Grants and Contracts:

Garcia, Dana M (Co-Principal), Ali, Moonis (Co-Principal), Asiabanpour, Bahram (Co-Principal), Donnelly, David (Co-Principal), Feakes, Debra A (Co-Principal). Building our Baccalaureates through Community, Academics and Technology, NSF, Federal, \$1,999,998.00. (Funded: September 2008). Grant.

Garcia, Dana (Principal), Feakes, Debra (Co-Principal), Asiabanpour, Bahram (Co-Principal), Ali, Moonis (Co-Principal), Donnelly, David (Principal). Building Our Baccalaureates through Community, Academics, and Technology, National Science Foundation, Federal. (Submitted: September 1, 2008). Grant.

Geerts, Wilhelmus (Principal), Donnelly, David (Co-Principal), Stephan, Karl (Co-Principal). An Advanced Optics Course for Juniors, National Science Foundation, Federal. (Submitted: May 1, 2007). Grant.

Geerts, Wilhelmus (Principal), Donnelly, David (Co-Principal). An Advanced Optics Laboratory Course for Juniors, National Science Foundation, Federal. (Submitted: May 1, 2006). Grant.

Geerts, Wilhelmus (Principal), Crawford, James (Co-Principal), Donnelly, David (Co-Principal). An Applied Optics Laboratory Course, National Science Foundation, Federal. (Submitted: December 1, 2003). Grant.

3. Funded Internal Teaching Grants and Contracts:

Donnelly, David (Principal). Upgrade of the Physics 1430 Teaching Laboratory, Student Computing Resources Grant, Institutional (Higher Ed), \$7,872.00. (Submitted: January 1, 2010). Grant.

Donnelly, David (Principal). Upgrading the Physics 1430 Laboratory, Student Computing Resources Grant, Institutional (Higher Ed), \$10,108.00. (Submitted: January 1, 2002). Grant.

F. Other:

Lab, Continued revision of 1430 labs. (January 1, 2016 - December 31, 2016).

Member of Leadership Team for Learning Assistant Program. San Marcos, TX, United States. 100. (September 1, 2020 - May 15, 2023).

G. Teaching Professional Development Activities Attended

Workshop, "Engaged Pedagogy for Culturally Responsive Practices," Texas State. (February 17, 2022).

III. SCHOLARLY/CREATIVE

A. Works in Print (including works accepted, forthcoming, in press):

2. Articles:

a. Refereed Journal Articles:

Grun, J., Laming, M., Manka, C., Donnelly, D. W., Covington, B. C., Fischer, R. P., ... Khokhlov, A. (2016). Laser-Plasma Simulations of Astrophysical Phenomena and Novel Applications to Semiconductor Annealing. *Laser and Particle Beams*, 21. Published.

Additional Comments: \-----

The month is also required for the date, entered 01 as default.

Donnelly, D. W., Covington, B. C., Grun, J., Fischer, R. P., Peckerar, M., & Felix, C. L. (2016). Athermal Annealing of Low-Energy Boron Implants in Silicon. *Appl. Phys. Lett*, 78. Published.

Additional Comments: \-----

The month is also required for the date, entered 01 as default.

Grun, J., Fischer, R., Peckerar, M., Felix, C., Covington, B. C., Fatemi, M., ... Manka, C. (2000). Athermal Annealing of Phosphorus-Ion Implanted Silicon. *Appl. Phys. Lett*, 77. Published.

Additional Comments: \-----

The month is also required for the date, entered 01 as default.

Grun, J., Manka, C. K., Hoffman, C. A., Meyer, J. R., Glembocki, O., Kaplan, R., ... Covington, B. (1997). Athermal Annealing of Silicon. *Phys. Rev. Lett.*, 78. Published.

Additional Comments: \-----

The month is also required for the date, entered 01 as default.

Donnelly, D. W., Covington, B. C., Grun, J., Hoffman, C. A., Meyer, J. R., Manka, C. K., ... Skelton, E. F. (1997). Far-Infrared Spectroscopic, Magneto-Transport, and X-ray Study of Athermal Annealing in Neutron Transmutation Doped Silicon. *Appl. Phys. Lett*, 71. Published.

Additional Comments: \-----

The month is also required for the date, entered 01 as default.

Gannon, A., Donnelly, D., & Covington, B. (1996). Trapping Mechanism for Persistent Photo-effects in Heavily Doped GaAs/AlGaAs Quantum Wells. *Journ. App. Phys.*, 79. Published.

Additional Comments: \-----

The month is also required for the date, entered 01 as default.

Donnelly, D. (1995). Mode Assignment for Magnetic Excitations Associated With Co²⁺ Impurities in Antiferromagnetic FeF₂. *Phys. Rev. B*, 52. Published.

Additional Comments: \-----

The month is also required for the date, entered 01 as default.

Jana, P., Pandey, R. K., & Donnelly, D. W. (1994). Crystal Growth and Properties of a New Member of Pb-K-Niobate Series. *Ferroelectrics*, 151. Published.

Additional Comments: \-----

The month is also required for the date, entered 01 as default.

Dura, J. A., Zborowski, J. T., Golding, T. D., Donnelly, D., & Covington, B. C. (1993). Properties of InAs/(Ga,In)Sb Strained Layer Superlattices Grown on the {111} Orientations. *Journal of Electronic Materials*, 22. Published.

Additional Comments: \-----

The month is also required for the date, entered 01 as default.

Ohta, H., Donnelly, D., & Motokawa, M. (1992). FIR Measurements of CsFeCl₃ in Magnetic Fields. *Journ. of Magn. and Mag. Mat*, 104-107. Published.

Additional Comments: \-----

The month is also required for the date, entered 01 as default.

Donnelly, D., Hone, D., & Jaccarino, V. (1990). Indirect Impurity and Host Mode Excitation via FIR Level Crossing Spectroscopy in Antiferromagnets. *Phys. Rev. Lett*, 65. Published.

Wixforth, A., Sundaram, M., Donnelly, D., English, J. H., & Gossard, A. A. (1990). Graded Potential Wells With Quasi-Uniform Charge Distribution. *Surface Science*, 228. Published.

3. Conference Proceedings:

a. Refereed Conference Proceedings:

Close, E. W., Mailloux-Huberdeau, J.-M., Close, H. G., & Donnelly, D. (Accepted / In Press). Characterization of time scale for detecting impacts of reforms in an undergraduate physics program.

[EC-PERC2017-Timescale of reform \(Revised1\)-1.pdf](#)

Donnelly, D., Mailloux-Huberdeau, J.-M., Nissen, J., & Close, E. W. (Accepted / In Press). Comparison of normalized gain and Cohen's d for Force Concept Inventory results in an introductory mechanics course. San Marcos, United States.

[Revised version - reviewers comments - final-1.pdf](#)

Close, E. W., Mailloux-Huberdeaus, J.-M., Close, H. G., & Donnelly, D. (2018). Characterization of time scale for detecting impacts of reforms in an undergraduate physics program. In *AIP Conference Proceedings: 2017 Physics Education Research Conference*. American Institute of Physics.

Donnelly, D., Mailloux-Huberdeaux, J.-M., Nissen, J. M., & Close, E. W. (2018). Comparison of normalized gain and Cohen's d for Force Concept Inventory results in an introductory mechanics course. In *AIP Conference Proceedings: 2017 Physics Education Research Conference*. American Institute of Physics.

Schiber, C. C., Close, H. G., Close, E. W., & Donnelly, D. (2014). Student use of a material anchor for quantum wave functions. In P. V. Engelhardt, A. D. Churukian, & D. L. Jones (Eds.) (pp. 325–328). AIP Conference Proceedings.

<https://doi.org/10.1119/perc.2013.pr.069><http://dx.doi.org/10.1119/perc.2013.pr.069>

Schiber, C. C., Close, H. G., Close, E. W., & Donnelly, D. (2014). Student use of a material anchor for quantum wave functions. American Institute of Physics.

Close, H. G., Schiber, C. C., Close, E. W., & Donnelly, D. (2014). Students' dynamic geometric reasoning about quantum spin-1/2 states (pp. 325–328). American Institute of Physics.

Close, H. G., Close, G., & Donnelly, D. (2013). "Nesting in Graphical Representations in Physics" (Vol. 1513, pp. 97–100).

Close, E., Close, H. G., & Donnelly, D. (2013). "Understanding the Learning Assistant Experience with Physics Identity" (Vol. 1513, p. 110–).

Grun, J., Fischer, R. P., Peckerar, N., Felix, C. L., Covington, B. C., Donnelly, D. W., ... Manka, C. K. (2009). Athermal Annealing of Silicon Implanted with Phosphorus and Arsenic. In F. Roozeboom, J. C. Gelpey, M. C. Ozturk, K. Reid, & D. L. Kwong (Eds.) (Vol. 2000–9, p. 106–). Rapid Thermal and Other Short Time Processing Technologies I.

Additional Comments: \-----

The month is also required for the date, entered 01 as default.

Kotru, S., Surthi, S., Pandey, R. K., & Donnelly, D. (2002). Infrared Spectroscopy of Epitaxial Antimony Sulfo Iodide Thin Films (Vol. 688, p. 107–). Proceedings of the Materials Research Society.

Additional Comments: \-----

The month is also required for the date, entered 01 as default.

Donnelly, D. W., Covington, B. C., Grun, J., Fischer, R. P., Peckerar, M., Felix, C. L., ... Manka, C. K. (2001). Athermal Annealing of Ion Implanted Silicon. Proceedings of the IEEE 9th Conference on Rapid Thermal Processing.

Additional Comments: \-----

The month is also required for the date, entered 01 as default.

B. Works Not in Print:

1. Papers Presented at Professional Meetings:

Close, E., Conn, J., Donnelly, D., Close, H., Physics Education Research Conference, "Designing Learning Assistant Program Structures to Create Resilient Community," AAPT, Provo, UT, United States. (July 2019).

Donnelly, D., Joint Spring Meeting of Texas Sections of APS, AAPT, and SPS, "Teaching Graduate Electrodynamics Interactively: A Report from the Trenches," AAPT, Stephenville, TX, United States. (March 2018).

Donnelly, D., Joint Spring Meeting of APS, AAPT, and SPS, "A New Assessment Approach that Models Legitimate Practice," AAPT, San Antonio, TX, United States. (March 2017).

Donnelly, D., Wolf, s., Spring, 2016 Meeting of the Texas Section of the American Association of Physics Teachers, "Development of a Survey to Assess Transformative Experience in an Introductory Calculus-Based Mechanics Course," Texas Section of the American Association of Physics Teachers. (2016).

Donnelly, D., Sault, T., Wolf, S., 2016 meeting of the North Carolina Section of the American Association of Physics Teachers, "Transformative Experience in Physics," North Carolina Section of the American Association of Physics Teachers. (2016).

Close, H. G., Donnelly, D., Close, E. W., Four Corners / Texas Joint Meeting of the American Physical Society and the American Association of Physics Teachers, "Physics Teacher Education at Texas State," Las Cruces, NM, United States. (October 22, 2016).

Donnelly, D., Close, E., Close, H. G., ""Factors Contributing to CLASS Shifts in a General Education Physics Course"," Contributed talk at Joint Meeting of Texas Sections of the American Association of Physics Teachers and American Physical Society, and Zone 13 of Society of Physics Students, Lubbock, TX, United States. (October 12, 2016).

Galloway, H. C., Radican, K. P., McDonald, J., Martinez, C., Donnelly, D., Koeck, D. C., AVS National Symposium, "Etching of SiC and SiCN with Tetrafluoroethane/Oxygen Reactive Plasma," Anaheim, CA, United States. (October 4, 2016).

Gibson, W., Jarl, J., Botello, E., Covington, E., Donnelly, D., Galloway, H., Hartnett, P., Koeck, D., Moore, D., Beall, G., Booth, C., Cassidy, P., Murugesan, S., Joint Meeting of Texas Sections of APS and AAPT, "Non Preferential Surfaces for Self-Assembly of Patterned Copolymers," Baylor University, TX, United States. (October 4, 2016).

McDonald, J., Martinez, C., Radican, K., Botello, E., Koeck, D., Donnelly, D., Geerts, W., Spencer, G., Galloway, H., Joint Meeting of Texas Sections of APS and AAPT, "Reactive Ion Etching of SiC and SiCN using Tetrafluoroethane and Oxygen," Baylor University, TX, United States. (October 4, 2016).

Covington, E., McDonald, J., White, D., Williams, C., Arthur, M., Koeck, D. C., Donnelly, D., Galloway, H. C., Joint Meeting of Texas Sections of APS and AAPT, "Characterization of Planarized Low-k Dielectrics by Atomic Force Microscopy," Texas Tech University, TX, United States. (October 3, 2016).

Abrego, F., Stotts, B., Koeck, D. C., Donnelly, D., Galloway, H. C., Beall, G., Booth, C., Joint Meeting of Texas Sections of APS and AAPT, "Diblock Copolymer Patterning on Silicon Substrates," Texas Tech University, TX, United States. (October 3, 2016).

Botello, E., Radican, K., McDonald, J., Donnelly, D., Geerts, W., Spencer, G., Galloway, H. C., Joint Meeting of Texas Sections of APS and AAPT, "Microwave Characterization of Microstrip Transmission Lines," Texas Tech University, TX, United States. (October 3, 2016).

Kuczynski, B., Rincon, V., Vasudevan, H., Kotru, S., Donnelly, D., University of Alabama Undergraduate Research Conference, "Growth and Characterization of Thin Films by Pulsed Electron Deposition," AL, United States. (September 9, 2016).

Donnelly, D., Close, E., Close, H. G., Contributed talk at Summer 2012 meeting of American Association of Physics Teachers, ""Factors Contributing to CLASS Shifts in a General Education Physics Course"," Philadelphia, PA, United States. (August 12, 2016).

Donnelly, D., Close, H. G., Contributed talk at Joint Meeting of Texas Sections of the American Association of Physics Teachers and American Physical Society, and Zone 13 of Society of Physics Students, ""Student Understanding and Application of the Dirac Delta Function"," San Angelo, TX, United States. (March 12, 2016).

Donnelly, D., Contributed Talk at Joint Meeting of the Texas Sections of APS and AAPT, and Zone 13 of SPS, "Overview of the ComPADRE Digital Library." (March 6, 2016).

Williams, C., Covington, E., Arthur, M., White, D., McDonald, J., Koeck, D., Donnelly, D., Galloway, H. C., Joint Meeting of Texas Sections of APS and AAPT, "Analysis of Planarized Low-k Dielectrics by Atomic Force Microscopy," Southwest Texas State University, San Marcos, TX, United States. (March 3, 2016).

Pileggi, C., Covington, E., Galloway, H. G., Donnelly, D., Joint Meeting of Texas Sections of APS and AAPT, "FTIR Analysis of Planarized Low-k Dielectric Films," Southwest Texas State University, San Marcos, TX, United States. (March 3, 2016).

Mestayer, J., Donnelly, D., Joint Meeting of Texas Sections of APS and AAPT, "FTIR and Raman Spectroscopy of Optical Fibers," Southwest Texas State University, San Marcos, TX, United States. (March 3, 2016).

Cain, H., Gomez, R., Donnelly, D., Joint Meeting of Texas Sections of APS and AAPT, "FTIR of Athermally Annealed Samples," Southwest Texas State University, San Marcos, TX, United States. (March 3, 2016).

McDonald, J., Radican, K., Geerts, W., Spencer, G., Donnelly, D., Galloway, H., Joint Meeting of Texas Sections of APS and AAPT, "Photolithography to Prepare Waveguides on Low-k Dielectrics in SiC Underlayers," Southwest Texas State University, San Marcos, TX, United States. (March 3, 2016).

Covington, E., Williams, C., White, D., McDonald, J., Koeck, D., Donnelly, D., Galloway, H. C., Joint Meeting of Texas Sections of APS and AAPT, "Preparation

- and Planarization of Low-k Dielectrics," Southwest Texas State University, San Marcos, TX, United States. (March 3, 2016).
- Acevedo, A., Donnelly, D., Joint Meeting of Texas Sections of APS and AAPT, "Raman Spectroscopy Measurement of Lattice Damage to B-Doped Silicon for Athermal Laser Annealing," Southwest Texas State University, San Marcos, TX, United States. (March 3, 2016).
- Gomez, R., Cain, H., Donnelly, D., Joint Meeting of Texas Sections of APS and AAPT, "Spectroscopic Measurement of the Dielectric Constant of Pre- and Post-Annealed Hafnium Silicate Films," Southwest Texas State University, San Marcos, TX, United States. (March 3, 2016).
- Donnelly, D., Close, E., Close, H. G., Contributed talk at Winter 2013 meeting of American Association of Physics Teachers, ""Winter Break Effect in General Education CLASS Results"," New Orleans, LA, United States. (January 13, 2016).
- Donnelly, D., Close, H. G., Contributed talk at Winter 2012 meeting of American Association of Physics Teachers, ""Student Understanding and Application of the Dirac Delta Function"," Ontario, Canada. (January 12, 2016).
- Close, H. G., Schiber, C.S., Donnelly, D., Close, E.W., spring joint meeting of the Texas sections of the APS and AAPS, and Zone 13 of SPS, "Students dynamic geometric reasoning about quantum spin-1/2 states," Stephenville, TX, United States. (March 2013).
- Schiber, C.S., Close, H. G., Close, E. W., Donnelly, D., spring joint meeting of the Texas sections of the APS and AAPS, and Zone 13 of SPS, "Students gestures about complex wave functions for one-dimensional potentials," Stephenville, TX, United States. (March 2013).
- Close, H. G., Donnelly, D., winter meeting of the American Association of Physics Teachers, "Simulating the conference experience in upper-division theory courses," New Orleans, LA, United States. (January 2013).
- Schiber, C., Close, H. G., Donnelly, D., Close, E. W., winter meeting of the American Association of Physics Teachers, "Student gestures about complex wave functions for one-dimensional potentials," New Orleans, LA, United States. (January 2013).
- Close, H. G., Close, E.W., Donnelly, D., summer meeting of the American Association of Physics Teachers, "Nesting in Graphical Representations in Physics," Philadelphia, PA, United States. (July 2012).
- Close, E. W., Close, H. G., Donnelly, D., summer meeting of the American Association of Physics Teachers, "Understanding the Learning Assistant Experience with Physics Identity," Philadelphia, PA, United States. (July 2012).

Donnelly, D., Close, H. G., spring joint meeting of the Texas sections of the APS and AAPT, and Zone 13 of SPS, "Student Understanding and Application of the Dirac Delta Function," San Angelo, TX, United States. (February 2012).

Donnelly, D., Close, H. G., winter meeting of the American Association of Physics Teachers, "Student Understanding and Application of the Dirac Delta Function," Ontario, CA, United States. (January 2012).

Grun, J., Manka, C. K., Hoffman, C. A., Meyer, J. R., Glembocki, O. J., Qadri, S. B., Skelton, E. F., Donnelly, D., Covington, B., Sematech Source-Drain Engineering Working Group Meeting, "Athermal Annealing of Silicon," University of North Carolina, NC, United States. (August 1, 1999).

Donnelly, D., Sematech Source-Drain Engineering Working Group Meeting, "Dopant and Defect Metrology Using Infrared Absorption Spectroscopy," University of North Carolina, NC, United States. (August 1, 1999).

Grun, J., Manka, C. K., Hoffman, C. A., Meyer, J. R., Glembocki, O. J., Qadri, S. B., Skelton, E. F., Donnelly, D., Covington, B., Spring Meeting of the Texas Section of the American Physical Society, "Athermal Annealing of Silicon," San Antonio, TX, United States. (March 1, 1998).

Grun, J., Manka, C., Hoffman, C., Meyer, J., Kaplan, M., Glembocki, O., Bell, M., Qadri, S., Skelton, E., Donnelly, D., Covington, B., APS Shock 97 meeting, "Athermal Annealing of Semiconductor Wafers," Amherst, MA, United States. (August 1, 1997).

Grun, J., Manka, C., Hoffman, C., Meyer, J., Kaplan, M., Glembocki, O., Bell, M., Qadri, S., Donnelly, D., Covington, B., Meeting of the APS Division of Plasma Physics, "Mechanical Energy Annealing of Semiconductor Wafers." (November 1, 1996).

Grun, J., Manka, C., Hoffman, C., Meyer, J., Kaplan, M., Glembocki, O., Bell, M., Qadri, S., Donnelly, D., Covington, B., 1996 Government Microcircuit Applications Conference, "Shock Annealing of Semiconductor Wafers," Kissimmee, FL, United States. (January 1, 1996).

Additional Comments: \-----

The month is also required for the date, entered 01 as default.

Grun, J., Manka, C., Hoffman, C., Meyer, J., Kaplan, M., Glembocki, O., Bell, M., Qadri, S., Donnelly, D., Covington, B., Meeting of the APS Division of Plasma Physics, "Shock Annealing of Semiconductor Wafers." (November 1, 1995).

Yang, Z., Donnelly, D., 1995 Meeting of the Texas Section of the American Physical Society, "Infrared and Electronic Spectral Studies of Electronically Excited C60 and Ag3C60 Films." (September 1, 1995).

Gannon, A., Donnelly, D., 1994 Meeting of the Texas Section of the American Physical Society, "Persistent Photo-Induced Changes in the Absorbance of GaAs/AlGaAs Multiple Quantum Well Structures." (September 1, 1994).

Sunkara, S., Nigli, S., Pandey, R. K., Kumar, A. A., Donnelly, D. W., Spring Meeting of the Materials Research Society, "Ilmenite-A Wide Bandgap Semiconductor for Novel Electronic Applications," San Francisco, CA, United States. (April 1, 1994).

Jana, P., Pandey, R. K., Donnelly, D. W., Eighth International Meeting on Ferroelectricity, "Crystal Growth and Properties of a New Member of Pb-K-Niobate Series," Gaithersburg, MD, United States. (August 1, 1993).

Donnelly, D. W., Schauer, J. M., Covington, B. C., Manasreh, M. O., Meeting of the American Physical Society, "Bleaching of the Intersubband Transition in GaAs/AlGaAs Multiple Quantum Well Structures," Seattle, WA, United States. (March 1, 1993).

Golding, T. D., Dura, J. A., Chi, A., Zborowski, J. T., Chen, H. C., Vigliante, A., Donnelly, D., Covington, B. C., Conference on Growth and Characterization of Materials for Infrared Detectors, "InAs/(In,Ga)Sb Superlattices for Infrared Detector Applications," San Diego, CA, United States. (February 1, 1993).

Golding, T. D., Dura, J. A., Zborowski, T., Chen, H. C., Vigliante, A., Donnelly, D., Covington, B. C., 7th International MBE Conference, "Molecular Beam Epitaxial Growth of Sb/InSb Multilayers," Swabisch Gmund, Germany. (August 1, 1992).

Golding, T. D., Dura, J. A., Zborowski, J. T., Vigliante, A., Donnelly, D., Covington, B. C., MacDonald, E., International Conference on Narrow Bandgap Semiconductors, "Investigation of InAs/InGaSb Superlattices Grown by Molecular Beam Epitaxy on the [100] and [111] Orientations," Southampton, United Kingdom. (July 1, 1992).

Donnelly, D., Jaccarino, V., Meeting of the American Physical Society, "FIR Magnetic Modes Associated With Co Impurities in FeF₂," Anaheim, CA, United States. (March 1, 1990).

Donnelly, D., Jaccarino, V., Meeting of the American Physical Society, "FTIR Study of V²⁺ Impurity Modes in Antiferromagnetic FeF₂," New Orleans, LA, United States. (March 1, 1989).

2. Invited Talks, Lectures, and Presentations:

Lunk, B. R., Close, H., Donnelly, D., Das, K., American Association of Physics Teacher Summer Meeting, "An Holistic Integration of Computational Modeling in Undergraduate Physics," AAPT, Washington, DC. (July 2018).

Donnelly, D. W., Covington, B. C., Grun, J., Fischer, R. P., Peckerar, M., Felix, C. L., Boro Djordjevic, B., Mignona, R., Meyer, J. R., Ting, A., Manka, C. K., IEEE Conference on Rapid Thermal Processing, "Athermal Annealing of Ion Implanted Silicon," Anchorage, AK, United States. (September 1, 2016).

Donnelly, D., Invited Talk at Joint Meeting of the Texas Sections of APS and AAPT, and Zone 13 of SPS, "The Nucleus: The Student Collection of the ComPADRE Digital Library." (March 6, 2016).

Donnelly, D., Invited Talk and National Meeting of American Associate of Physics Teachers, "Overview of The Nucleus & The Student Collection of ComPADRE," Jacksonville, FL, United States. (January 11, 2016).

Grun, J., Fischer, R. P., Peckerar, M., Felix, C. L., Covington, B. C., Donnelly, D. W., Boro Djordjevic, B., Mignogna, R., Meyer, J. R., Ting, A., Manka, C. K., Meeting of Electrochemical Society, "Athermal Annealing of Silicon Implanted with Phosphorus and Arsenic," Toronto, Canada. (May 1, 2000).

Grun, J., Manka, C. K., Hoffman, C. A., Meyer, J. R., Glembocki, O. J., Qadri, S. B., Skelton, E. F., Donnelly, D., Covington, B., Materials Research Society Spring Meeting, "Athermal Annealing of Silicon," San Francisco, CA, United States. (April 1, 1998).

Golding, T. D., Dura, J. A., Chi, A., Zborowski, J. T., Chen, H. C., Vigliante, A., Donnelly, D., Covington, B. C., Conference on Growth and Characterization of Materials for Infrared Detectors, "InAs/(In,Ga)Sb Superlattices for Infrared Detector Applications," San Diego, CA, United States. (February 1, 1993).

4. Workshops:

Close, H. G., Close, E. W., Donnelly, D., "Blending theory for physics education researchers." (January 2012).

Additional Comments: 3-day workshop conducted for physics education researchers to learn more about applications of blending theory to PER.

5. Other Works not in Print:

c. Other Works Not in Print:

Posters:

Close, E. W., Conn, J., Donnelly, D., Close, H. G., Physics Teacher Education Coalition (PhysTEC) Conference, "Designing Learning Assistant Program Structures to Create Resilient Community," Denver, CO. (February 2020).

Close, E. W., Mailloux-Huberdeau, J.-M., Close, H. G., Donnelly, D., 2018 PhysTEC Conference, "Characterization of time scale for detecting impacts of reforms in an undergraduate physics program," College Park, MD, United States. (February 2018).

Close, E. W., Mailloux-Huberdeau, J.-M., Close, H. G., Donnelly, D., 2017 Physics Education Research Conference, "Characterization of time scale

for detecting impacts of reforms in an undergraduate physics program," Cincinnati, OH, United States. (July 2017).

Donnelly, D., Mailloux-Huberdeau, J.-M., Nissen, J., Close, E. W., 2017 Physics Education Research Conference, "Comparison of normalized gain and Cohen's d for Force Concept Inventory results in an introductory mechanics course," Cincinnati, OH, United States. (July 2017).

C. Scholarly / Creative Grants and Contracts:

1. Funded External Grants and Contracts:

Donnelly, David (Principal). Effects of Athermal Annealing on High-k Gate stacked MOSCAPs and MOSFETs, Texas Higher Education Coordinating Board, State, \$100,000.00. (Submitted: 2005). Grant.

Donnelly, David (Principal), Galloway, Heather (Co-Principal). Acquisition of FTIR and AFM for Materials Characterization, National Science Foundation, Institutional (Higher Ed), \$190,705.00. (Submitted: June 1, 2004). Grant.

Donnelly, David (Principal), Galloway, Heather (Principal). MRI/RUI: Acquisition of FTIR and AFM for Materials Characterization, National Science Foundation, Private / Foundation / Corporate. (Submitted: January 1, 2003). Grant.

Donnelly, David (Co-Principal), Galloway, Heather (Co-Principal). Effects of Chemical Mechanical Planarization on Electrical Properties of Low-k Materials, Texas Higher Education Coordinating Board, State, \$130,000.00. (Submitted: 2002). Grant.

Donnelly, David (Principal). Athermal Annealing of Ion-Implanted Silicon, National Science Foundation, Federal, \$143,770.00. (Submitted: September 1, 2001). Grant.

Donnelly, David (Principal). Dissemination of Proven Reforms, Department of Education, Federal, \$100,000.00. (Submitted: September 1, 1998). Grant.
Additional Comments: With Texas A&M; University.

Donnelly, David (Principal). A Non-Thermal Annealing Technique applied to Neutron Transmutation Doped Silicon, National Science Foundation, Federal, \$125,603.00. (Submitted: July 1, 1998). Grant.

Donnelly, David (Principal). 3d Transition Metal Impurities in Antiferromagnetic Ferrous Fluoride, Texas Higher Education Coordinating Board, State, \$107,508.00. (Submitted: January 1, 1998). Grant.

Donnelly, David (Principal). Shock Annealing: A New Non-thermal Annealing Process Using Laser Generated Shocks, Naval Research Labs and Sam

Houston State University from Advanced Research Projects Administration, Institutional (Higher Ed), \$636,200.00. (Submitted: 1995). Grant.

Donnelly, David (Principal). Impurity Associated Magnetic Modes in Antiferromagnets, Research Corporation, Private / Foundation / Corporate, \$25,500.00. (Submitted: 1993). Grant.

Close, Eleanor (Principal), Close, Hunter, Donnelly, David. Collaborative Research: Understanding Robert Noyce Teacher Scholarship Outcomes in Texas, National Science Foundation, Federal, \$49,998.00. (Funded: 2016 - Present). Sponsored Research.

Close, Hunter Garth (Co-Principal), (Principal), Donnelly, David (Co-Principal). Collaborative Research: Understanding Robert Noyce Teacher Scholarship Outcomes in Texas, National Science Foundation, Federal, \$49,998.00. (Funded: July 1, 2016 - June 30, 2019). Grant.

Donnelly, David (Co-Principal), Close, Hunter G (Principal), Close, Eleanor W (Co-Principal). Communities and Pathways: Cultivating Science Educator Identity for Undergraduates through an Inclusive Physics Learning Assistant Program and Alignment of STEM Degrees with Teacher Certifications, National Science Foundation, Federal, \$350,000.00. (Submitted: January 1, 2013, Funded: January 1, 2013 - December 31, 2015). Grant.

2. Submitted, but not Funded, External Grants and Contracts:

Close, Hunter Garth (Principal), Close, Eleanor W (Co-Principal), Donnelly, David (Co-Principal). BEMUP-z: Body Engagement with Mathematics in Undergraduate Physics – Complex Numbers, NSF IUSE program, \$330,000.00. (Submitted: February 2014). Grant.

Additional Comments: Explore a novel framework for designing learning experiences about mathematical abstractions in physics using the promise of gesture and other symbolic body engagement. Develop and study modes of body engagement, including interaction with symbolic props like graphics and manipulatives that enable more complicated gesturing, for managing the specific abstraction of complex numbers (e.g., $2 + 3i$) and functions (e.g., e^{ikx}) in various physics contexts.

Donnelly, David (Principal), Geerts, Wilhelmus (Co-Principal), Lee, Jack (Co-Principal), Grun, Jacob (Co-Principal). Effects of Athermal Annealing on High-k Gate stacked MOSCAPs and MOSFETs, National Science Foundation, Federal. (Submitted: October 1, 2006). Grant.

Gutierrez, Carlos (Principal), Donnelly, David (Co-Principal), Geerts, Wilhelmus (Co-Principal), Spencer, Greg (Co-Principal). Acquisition of a Novel Biased Target Ion Beam Deposition System for Multi-component Materials Research

and Education Activities at SWT, National Science Foundation, Federal. (Submitted: 2003). Grant.

Stokes, Donna (Principal), Donnelly, David (Co-Principal). Terahertz Lasers and Detectors Engineered from InAs/GaSb/AlSb Heterostructures, THECB-ARP, Federal. (Submitted: 2001). Grant.

Donnelly, David (Principal), Covington, Bill (Co-Principal). Athermal Annealing of Ion Implanted Silicon, THECB-ARP, Federal. (Submitted: May 1, 2001). Grant.

Donnelly, David (Principal). 3d Transition Metal Impurities in Antiferromagnetic Ferrous Fluoride, National Science Foundation, Federal. (Submitted: October 1, 2000). Grant.

Donnelly, David (Co-Principal), Gulacar, Ozcan (Principal), Dickinson, Gail (Co-Principal). EXP: Enhancing Physical Science Instruction and Concepts with Ubiquitous Presenter, PCs, POGIL, PBI, and Probes (EPIC- UP5), National Science Foundation, Private / Foundation / Corporate, \$549,972.00. (Submitted: 1995). Grant.

3. Funded Internal Grants and Contracts:

Donnelly, David (Principal). Spectroscopic Investigation of Boron Interstitial Clusters in Silicon, Southwest Texas State University Research Enhancement Program, Institutional (Higher Ed), \$8,000.00. (Submitted: 2001). Grant.

Donnelly, David (Principal). Experimental Determination of the Lifetime of Magnetic Excitations Associated With a Single Vanadium Impurity in the Insulating antiferromagnet Ferrous Fluoride, Sam Houston State University Faculty Research Council, Institutional (Higher Ed), \$5,000.00. (Submitted: 1998). Grant.

Donnelly, David (Principal). Mechanical Energy Annealing of Silicon, Sam Houston State University Faculty Research Council, Institutional (Higher Ed). (Submitted: 1997). Grant.

Donnelly, David (Principal). Optical Study of Ilmenite, FeTiO₃, to Determine its Potential as a New Semiconductor, Sam Houston State University Faculty Research Council, Institutional (Higher Ed), \$7,500.00. (Submitted: 1994). Grant.

Donnelly, David (Principal). Characterization and Optimization of InAs/InGaSb Strained Layer Superlattices, Sam Houston State University Faculty Research Council, Institutional (Higher Ed), \$7,500.00. (Submitted: 1993). Grant.

Donnelly, David (Principal). Study of Decay Mechanisms of Impurity Associated Magnetic Modes in Antiferromagnets, Sam Houston State University Faculty

Research Council, Institutional (Higher Ed), \$6,000.00. (Submitted: 1992).
Grant.

D. Scholarly / Creative Fellowships, Awards, Honors:

Fellowship Recipient: Mentoring Fellowship, American Institute of Physics.
June 1, 2006

Fellowship Recipient: Research Fellowship, Naval Research Laboratory.
June 1, 2006

Award / Honor Recipient: Outstanding Citizen Medal, Veterans of Foreign Wars.
January 1, 2006

Additional Comments: \-----

The month is also required for the date, entered 01 as default.

Award / Honor Recipient: Presidential Award for Excellence in Teaching.
January 1, 2004

Additional Comments: \-----

The month is also required for the date, entered 01 as default.

Award / Honor Recipient: Outstanding Chapter Advisor, Society of Physics Students.
January 1, 1995

Additional Comments: \-----

The month is also required for the date, entered 01 as default.

IV. SERVICE

A. Institutional

1. University:

Member, Presidential Commission on Student Success. (October 1, 2023 - Present).

Member, Presidential Commission on the Run to R! (October 1, 2023 - Present).

Member, Faculty Senate. (May 1, 2023 - Present).

coordinator, Department outcomes and assessments coordinator. (January 1, 2006 - Present).

Member, Task Force on Reorganization of the College of Science. (September 1, 2023 - November 15, 2023).

Chair, Suspension Appeals Committee. (September 1, 2016 - August 31, 2020).

Additional Comments: Continuing as Chair

Member, Suspension Appeals Committee. (January 1, 2016 - August 31, 2016).

representative, College of Science and Engineering Council representative to University Council. (January 1, 2012 - January 1, 2013).

Member, Registrar's Academic Calendar Coordinating Committee. (January 1, 2009 - January 1, 2013).

Chair, Search Committee for Director of Materials Science Program. (January 1, 2007 - December 1, 2008).

Additional Comments: \-----

Also need the month for the dates, entered 01 and 12 as defaults.

Chair, Search Committee for Materials Science Faculty. (January 1, 2007 - December 1, 2008).

Additional Comments: \-----

Also need the month for the dates, entered 01 and 12 as defaults.

Member, STEM task force. (January 1, 2007 - December 1, 2007).

Additional Comments: \-----

Also need the month for the dates, entered 01 and 12 as defaults.

Chair, Department Space Committee. (January 1, 2006 - December 1, 2006).

Additional Comments: \-----

Also need the month for the dates, entered 01 and 12 as defaults.

Member, Selection Committee, Presidential Award for Excellence in Teaching. (January 1, 2006 - December 1, 2006).

Additional Comments: \-----

Also need the month for the dates, entered 01 and 12 as defaults.

College of Science representative, University Research Council. (January 1, 2004 - December 1, 2006).

Additional Comments: \-----

Also need the month for the dates, entered 01 and 12 as defaults.

Chair, College of Science Review Committee, Research Enhancement Program. (January 1, 2005 - December 1, 2005).

Additional Comments: \-----

Also need the month for the dates, entered 01 and 12 as defaults.

Member, Selection Committee, Presidential Award for Excellence in Teaching. (January 1, 2005 - December 1, 2005).

Additional Comments: \-----

Also need the month for the dates, entered 01 and 12 as defaults.

Chair, College of Science Review Committee, Research Enhancement Program.
(January 1, 2004 - December 1, 2004).

Additional Comments: \-----

Also need the month for the dates, entered 01 and 12 as defaults.

2. College:

Chair, College Curriculum Committee. (September 1, 2022 - Present).

Member, College of Science and Engineering Tenure and Promotion Review
Committee. (September 1, 2013 - Present).

Member, College Curriculum Committee. (September 1, 2016 - September 1,
2022).

3. Department/School:

Chair, Undergraduate Program Committee. (September 1, 2020 - Present).

Associate Chair, Associate Chair. (August 2013 - Present).

Faculty Advisor, Faculty Advisor, Texas State chapter, Sigma Pi Sigma (Physics
Honor Society). (January 1, 2000 - Present).

Faculty Advisor, Faculty Advisor, Texas State chapter, Society of Physics
Students. (January 1, 2000 - Present).

Undergraduate Advisor, Physics Department. (August 1, 2013 - December 31,
2023).

Graduate Advisor, Physics Department Graduate Advisor. (January 1, 2006 -
January 1, 2013).

Physics Department representative, College of Science Materials Science and
Engineering development committee. (January 1, 2006 - December 1, 2006).

Additional Comments: \-----

Also need the month for the dates, entered 01 and 12 as defaults.

Physics department representative, College of Science Tenure and Promotion
Review Committee. (January 1, 2005 - December 1, 2006).

Additional Comments: \-----

Also need the month for the dates, entered 01 and 12 as defaults.

Physics Department Liaison, Faculty Senate. (January 1, 2004 - December 1,
2006).

Additional Comments: \-----

Also need the month for the dates, entered 01 and 12 as defaults.

B. Professional:

Reviewer / Referee, The Physics Teacher. (August 24, 2023 - September 10, 2023).

Reviewer / Referee, Physical Review Physics Education Research. (March 6, 2023 - March 30, 2023).

Secretary-Treasurer, Texas Section of the American Association of Physics Teachers. (January 1, 2006 - October 31, 2022).

Reviewer / Referee, The Physics Teacher. (October 20, 2021 - November 8, 2021).

Reviewer / Referee, Physical Review Physics Education Research. (October 20, 2021 - November 5, 2021).

Reviewer / Referee, The Physics Teacher. (June 7, 2021 - June 14, 2021).

Chair, Committee on the Interests of Senior Physicists, United States. (January 2020 - January 2021).

Reviewer / Referee, The Physics Teacher. (August 5, 2020 - August 28, 2020).

Reviewer / Referee, University of Alabama (Promotion to Professor), Tuscaloosa, AL, United States. (August 5, 2020 - August 25, 2020).

Reviewer / Referee, Physical Review Physics Education Research, New York, NY, United States. (March 15, 2020 - April 7, 2020).

Vice President, Committee on the Interests of Senior Physicists. (January 2019 - January 2020).

Member, Committee on the Interests of Senior Physicists. (January 2018 - January 2019).

Reviewer / Referee, The Physics Teacher, United States. (January 1, 2018 - January 25, 2018).

Member, Planning Committee, 2016 Sigma Pi Sigma Quadrennial Congress. (2013 - 2016).

Editor, The Nucleus (Digital Library/Community for undergraduates majoring in physics and astronomy). (January 1, 2004 - 2015).

President, Society of Physics Students. (July 1, 2012 - July 1, 2013).

Associate editor, electronic publications, American Association of Physics Teachers. (January 1, 2004 - 2008).

Reviewer / Referee, Electronics, Photonics, and Device Technology program, Engineering Directorate, National Science Foundation. (January 1, 2007 - December 31, 2007).

Additional Comments: \-----

Also need the start date of this activity, entered 01/1925 as a default.

Texas Section Representative, American Association of Physics Teachers. (January 1, 2000 - December 1, 2006).

Additional Comments: \-----

Also need the month for the dates, entered 01 and 12 as defaults.

Councilor, Zone 13 (Texas), Society of Physics Students. (January 1, 1999 - December 1, 2005).

Additional Comments: \-----

Also need the month for the dates, entered 01 and 12 as defaults.

Reviewer / Referee, Journal of Applied Physics. (June 1, 2004 - June 25, 2004).

Additional Comments: \-----

Also need the start date of this activity, entered 01/1925 as a default.

Reviewer / Referee, American Journal of Physics. (January 1, 2000 - January 25, 2000).

Additional Comments: \-----

Also need the start date of this activity, entered 01/1925 as a default.

Reviewer / Referee, Applied Physics Letters. (January 1, 2000 - January 25, 2000).

Additional Comments: \-----

Also need the start date of this activity, entered 01/1925 as a default.

C. Community:

Chair, Peet Prevent a Litter of Central Texas, San Marcos, TX. (January 20, 2017 - January 21, 2019).

Board Member, Pet Prevent a Litter of Central Texas, San Marcos, TX. (January 23, 2014 - January 20, 2016).

Youth Sunday school teacher, First Presbyterian Church. (January 1, 2005 - December 1, 2011).

Additional Comments: \-----

Also need the month for the dates, entered 01 and 12 as defaults.

Choir Member, First Presbyterian Church. (January 1, 2003 - December 1, 2011).

Additional Comments: \-----

Also need the month for the dates, entered 01 and 12 as defaults.

Computer Maintenance, First Presbyterian Church. (January 1, 2004 - December 1, 2008).

Additional Comments: \-----

Also need the month for the dates, entered 01 and 12 as defaults.

Den Leader, Cub Scout Pack 116, San Marcos. (January 1, 2003 - December 1, 2006).

Additional Comments: \-----

Also need the month for the dates, entered 01 and 12 as defaults.

Cubmaster, Cub Scout Pack 116, San Marcos. (January 1, 2004 - December 1, 2005).

Additional Comments: \-----

Also need the month for the dates, entered 01 and 12 as defaults.

Coach, San Marcos Area Youth Soccer Organization. (January 1, 2002 - December 1, 2005).

Additional Comments: \-----

Also need the month for the dates, entered 01 and 12 as defaults.

D. Organization Memberships:

American Association of Physics Teachers. (1925).

Additional Comments: \-----

Just need the year you joined- entered 1925 as default.

American Physical Society. (1925).

Additional Comments: \-----

Just need the year you joined- entered 1925 as default.

Sigma Pi Sigma. (1925).

Additional Comments: \-----

Just need the year you joined- entered 1925 as default.

Society of Physics Students. (1925).

Additional Comments: \-----

Just need the year you joined- entered 1925 as default.

E. Service Honors and Awards:

Award / Honor Recipient: Robert N. Little Award, Texas Section, American Association of Physics Teacher.

March 1, 2014

Additional Comments: Awarded for Outstanding Contributions to Physics Higher Education in Texas