CURRICULUM VITAE

Yongsheng Gao, Ph.D

Team Leader of the CSU Fresno ATLAS group

Professor

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Education and Training:

1996 - 2000	Postdoc, Harvard University, Dept. of Physics
	Advisor: Prof. George Brandenburg
1995	Ph.D. in Physics, University of Wisconsin-Madison
	Thesis Advisor: Prof. Sau Lan Wu
	Thesis Title: Precise Measurement of b Baryon Lifetime
1988	M.S. in Physics, Shandong University, P.R. China
1985	B.S. in Physics, Shandong University, P.R. China

Citizenship: USA

Research and Professional Experience:

2017 – present	Professor (tenured)	Physics Dept	California State University, Fresno
2012 - 2017	Associate Professor (tenured)	Physics Dept	California State University, Fresno
2007 - 2012	Assistant Professor	Physics Dept	California State University, Fresno
2000 - 2007	Assistant Professor	Physics Dept	Southern Methodist U., Dallas, TX
1996 - 2000	Postdoc	Physics Dept	Harvard University
1989 - 1995	Graduate Research Assistant	Physics Dept	University of Wisconsin-Madison
1988 - 1989	Teaching Assistant	Physics Dept	University of Wisconsin-Madison

Award & Honors:

- 2014 CSU Fresno Provost's Award for "Distinguished Achievement in Research, Scholarship or Creative Accomplishment"
- 2010 CSU Fresno Provost's Award for "Promising New Faculty"

Other Scientific Positions:

- 1. Proposal reviewer for National Science Foundation (NSF) Hispanic-Serving Institutions (HSI) program (2024)
- 2. Proposal reviewer for National Science Foundation (NSF) Research Experiences for Undergraduates (REU) program (2024)
- 3. Proposal reviewer for Department of Energy (DOE) High Energy Physics (HEP) Reaching A New Energy Science Workforce (RENEW) program (2023)

- 4. Proposal reviewer for National Science Foundation (NSF) Elementary Particle Physics program (2012, 2013, 2014, 2015, and 2016)
- 5. Proposal reviewer for Department of Energy (DOE) High Energy Physics program (2004, 2006, and 2007)
- 6. Chair of the Scientific Review Committee of CLEO Collaboration for the manuscript "First observation and Dalitz analysis of $D^0 \rightarrow K^0_s \eta \pi^0$ " by Mikhail Dubrovin and David Cinabro. The paper was published in Phys. Rev. Lett. 93, 111801 (2004)
- 7. Member of the Scientific Review Committee of CLEO Collaboration for the manuscript "Observation of B \rightarrow K⁰_s $\pi^+\pi^-$ and Evidence for B \rightarrow K*+- π^- +" by W. Sun. The paper was published in Phys. Rev. Lett. 89, 251801 (2002)
- 8. Member of the Scientific Review Committee of CLEO Collaboration for the manuscript "Search for decays of $B^0 \rightarrow \pi^0 \pi^0$ " by F. Blanc and J.P. Alexander. The paper was published in Phys. Rev. D65, 031103 (2002)
- 9. Chair of the Scientific Review Committee of CLEO Collaboration for the manuscript "Search for decays of B0 mesons into pairs of leptons: $B^0 \rightarrow e^+e^-$, $\mu^+\mu^-$, $e^{+-}\mu^{-+}$ " by T. Wlodek. The paper was published in Phys. Rev. D62, 091102 (2000)
- 10. Member of the Scientific Review Committee of CLEO Collaboration for the manuscript "Search for decay $B^0 \rightarrow D^{*0}\gamma$ " by V. Savinov. The paper was published in Phys. Rev. Lett. 84, 4292 (2000)
- 11. Member of the Scientific Review Committee of CLEO Collaboration for the manuscript "Observation of high momentum η " production in B decay" by Y. Li and T. Browder. The paper was published in Phys. Rev. Lett. 81, 1785 (1998)

Professional Memberships:

American Physical Society (1989 – present)

Major Research Interests:

Experimental High Energy Physics: Test the Standard Model of particle physics and search for new physics beyond the Standard Model on the ATLAS experiment of the Large Hadron Collider (LHC) at the European Organization for Nuclear Research (CERN) in Geneva, Switzerland.

Research Support:

External Grant Proposals and Awards

Grants received from NSF Elementary Particle Physics (EPP), NSF Major Research Instrumentation (MRI), NSF Hispanic-Serving Institutions (HSI), NSF International Research Experience for Students (IRES), and DOE High Energy Physics (HEP) programs:

Year	Proposal Title, lead/subcontractor institutions	Amount Awarded (Role)/Agency
4/1/2024 to	Collaborative Research: Improving Upper Division	\$802,034 (Single PI) NSF HSI
3/31/2025	Physics Education and Strengthening Student Research	
	Opportunities at 14 HSIs in California	
3/15/2019 to	IRES Track I: US-CERN Summer Program on ATLAS	\$300,000 (Single PI) NSF IRES
2/28/2024	Experiment of LHC at CERN for the California State	
	University System; Lead: CSU Fresno; Subcontractor:	
	Stanford University (Co-PI: Prof. Lauren Tompkins)	

8/1/2018 to	Searching and Discovering New Physics with Run-2	\$50,000 (Single PI) NSF EPP
7/31/2020	on ATLAS Experiment of LHC (Supplemental)	
8/1/2015 to	Searching and Discovering New Physics with Run-2	\$509,994 (Single PI) NSF EPP
7/31/2020	on ATLAS Experiment of LHC	· -
8/1/2015 to	A New US-CERN Summer Program on ATLAS	\$249,863 (Single PI) NSF IRES
7/31/2019	Experiment of LHC at CERN for California State	, , , , ,
	University System	
6/1/2012 to	Searching and Discovering New Physics at the ATLAS	\$510,999 (Single PI) NSF EPP
5/31/2015	Experiment of LHC	
3/1/2010 to	Development of the US ATLAS Physics Analysis	\$620,000 (Single PI) NSF MRI
2/29/2012	Instrument (APAI) for the Analysis of Data from the	\$020,000 (Siligle F1) NSF WIKI
2/29/2012	ATLAS Experiment at the LHC; Lead: CSU Fresno;	
	Subcontractors: U. of Chicago, Columbia, Hampton,	
	Michigan State, Northern Illinois, New York, Stony	
	Brook, U. of Washington	
0/15/2000 4-		\$460,000 (Cir1- DI) NGE EDD
8/15/2009 to	Search for New Physics at ATLAS with Leptons and	\$460,000 (Single PI) NSF EPP
7/31/2012	Photons	
FY2007	Operation of the SMU HEP group	\$512,000 (Co-Investigator)
		DOE HEP
FY2006	Operation of the SMU HEP group	\$480,000 (Co-Investigator)
		DOE HEP
FY2005	Operation of the SMU HEP group	\$480,000 (Co-Investigator)
		DOE HEP
FY2004	Operation of the SMU HEP group	\$390,000 (Co-Investigator)
		DOE HEP
FY2003	Travel Supplemental	\$15,000 (Single PI) DOE HEP
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FY2003	Operation of the SMU HEP group	\$420,000 (Co-Investigator) DOE
		HEP
FY2002	Computing Supplemental Request	\$20,000 (Single PI) DOE HEP
FY2002	Operation of the SMU HEP group	\$415,000 (Co-Investigator)
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FY2001	Operation of the SMU HEP group	\$400,000 (Co-Investigator)
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Internal Grants

Date	Source and Title	Amount
2019/5	California State University (CSU) Chancellor's Office	\$250,000 AWS Cloud Credit
2012/6	Fund from ORSP for the ATLAS program	\$50,000
2011/10	Fund from the Provost for the ATLAS program	\$100,000
2009/11	Fund from ORSP for the ATLAS program	\$50,000
2009/9	Fund from the Provost for the ATLAS program	\$150,000
2009/1	Instructionally-Related Activities Award	\$15,000

2008/1 Fund from CSM to build up the ATLAS program

\$145,000

Invited Talks:

- "CSU Students Working on ATLAS Experiment of LHC at CERN with NSF Grant", talk at CSU Bakersfield on 5/4/2022
- "Opportunities for CSU Students to Work at CERN with NSF IRES Grant", physics colloquium at CSU San Francisco on 1/27/2020
- "Opportunities for CSU Students to Work at CERN with NSF IRES Grant", physics colloquium at CSU Long Beach on 9/16/2019
- "Opportunities for CSU Students to Work at CERN with NSF IRES Grant", physics colloquium at CSU Pomona on 9/12/2019
- "Opportunities for CSU Students to Work at CERN with NSF IRES Grant", physics colloquium at CSU Northridge on 9/11/2019
- "Opportunities for CSU Students to Work at CERN with NSF IRES Grant", physics colloquium at CSU Channel Islands on 9/9/2019
- "Opportunities for CSU Students to Work at CERN with NSF IRES Grant", physics colloquium at CSU San Diego on 9/6/2019
- "Opportunities for CSU Students to Work at CERN with NSF IRES Grant", physics colloquium at CSU San Marcos on 9/5/2019
- "Opportunities for CSU Students to Work at CERN with NSF IRES Grant", physics colloquium at CSU Stanislaus on 5/2/2019
- "The CSU ATLAS Program at LHC of CERN", seminar at Shandong Normal University in Jinan, China on 12/10/2018
- "The CSU ATLAS Program at LHC of CERN", seminar at National Tsing Hua University in Hsingchu, Taiwan on 3/14/2018
- "The CSU ATLAS Program at LHC of CERN", seminar at Institute of Physics, Academia Sinica in Taipei, Taiwan on 3/12/2018
- "Fresno State Physics Department and CSU ATLAS Program at LHC of CERN", colloquium at National Changhua University of Education in Changhua, Taiwan on 3/8/2018
- "The CSU ATLAS Program at LHC of CERN", talk at CSU STEM Conference in Los Angeles, CA from 8/10/2017 to 8/11/2017 organized by CSU Chancellor's Office
- "A New US-CERN Summer Program on ATLAS Experiment of LHC at CERN for California State University System", talk at the 5th International Large Hadron Collider Physics Conference (LHCP) held in Shanghai, China from 5/15/2017 to 5/20/2017
- "A New US-CERN Summer Program on ATLAS Experiment of LHC at CERN for California State University System", talk at 38th International Conference on High Energy Physics from 8/3/2016 to 8/10/2016 in Chicago, IL
- "The California State University (CSU) ATLAS Program at the LHC of CERN", physics seminar at Shanghai Jiao Tong University in Shanghai, China on 6/24/2016
- "Hunting/Discovering Higgs Boson ("God" particle) and New Physics at Large Hadron Collider (LHC) of CERN", physics colloquium at CSU San Diego on 10/9/2015
- "Hunting/Discovering Higgs Boson ("God" particle) and New Physics at Large Hadron Collider (LHC) of CERN", physics colloquium at CSU Fullerton on 9/4/2015

- "Fresno State ATLAS Program at LHC of CERN", invited talk at Central California STEM Collaborative Symposium on 3/5/2015
- "Hunting and Discovering Higgs Boson ("God" particle) at Large Hadron Collider (LHC) of CERN", Provost's Award Lecture on 2/4/2015
- "Hunting and Discovering Higgs Boson ("God" particle) at Large Hadron Collider (LHC) of CERN", physics colloquium at CSU San Bernardino on 1/30/2015
- "Hunting and Discovering Higgs Boson ("God" particle) at Large Hadron Collider (LHC) of CERN", physics colloquium at CSU Los Angeles on 1/29/2015
- "Hunting and Discovering Higgs Boson ("God" particle) at Large Hadron Collider (LHC) of CERN", physics colloquium at CSU Northridge on 1/28/2015
- "ATLAS Experiment at Large Hadron Collider of CERN", colloquium at Shandong University in Jinan, China on 5/14/2014
- "High Energy Physics Detectors and HEP Experiments", seminar at Shandong University in Jinan, China on 5/13/2014
- "Discovery of Higgs Boson at ATLAS Experiment of LHC at CERN", physics colloquium at Gonzaga University on 10/18/2013
- "Discovery of Higgs Boson at ATLAS Experiment of LHC at CERN", physics colloquium at Eastern Washington University on 5/24/2013
- "New Particle Discovery at ATLAS Experiment of LHC at CERN", physics colloquium at CSU Dominguez Hills on 5/10/2013
- "New Particle Discovery at ATLAS Experiment of LHC at CERN", physics colloquium at University of Nevada at Reno on 9/28/2012
- "New Particle Discovery at ATLAS Experiment of LHC at CERN", colloquium at CSU Channel Islands on 9/5/2012
- "Fresno State and CSU's ATLAS Program at the Large Hadron Collider of CERN", colloquium at CSU San Marcos on 2/23/2012
- "Fresno State and CSU's ATLAS Program at the Large Hadron Collider of CERN", colloquium at CSU Chico on 2/10/2012
- "Fresno State and CSU's ATLAS Program at the Large Hadron Collider of CERN", colloquium at CSU Humboldt on 4/11/2011
- "Fresno State and CSU's ATLAS Program at the Large Hadron Collider of CERN", talk at Fresno State showcasing untenured faculty research and creative activities on 3/22/2011
- "ATLAS/LHC Program at Fresno State and CSU", public lecture at Monday Study Club on 2/7/2011
- "CERN, Large Hadron Collider and Fresno State", public lecture at Osher Institute at California State University on 10/4/2010
- "CERN, Large Hadron Collider and Fresno State", public lecture at Osher Institute at California State University on 9/30/2010
- "ATLAS/LHC Program at Fresno State", seminar at SPS meeting at California State University, Sacramento on 3/17/2010
- "Road to Discovery of ATLAS/LHC", physics colloquium at California State University, Pomona on 10/29/2009
- "Road to Discovery of ATLAS/LHC", physics colloquium at California State University, Long Beach on 3/23/2009

- "Road to Discovery of ATLAS/LHC", physics colloquium at California State University, Stanislaus on 3/20/2009
- "Road to Discovery of ATLAS/LHC", physics colloquium at California State University, San Bernardino on 11/20/2008
- "Road to Discovery of ATLAS/LHC", physics colloquium at University of Nevada on 11/14/2008
- "Road to Discovery of ATLAS/LHC", physics colloquium at CSU Sacramento on 11/6/2008
- "Large Hadron Collider and Fresno State at LHC", colloquium at the Greater Fresno Optimist Club on 9/18/2008
- "ATLAS Research Program at California State University, Fresno", High Energy Physics Seminar at Shandong University on 7/13/2008
- "ATLAS Experiment and Physics Program", invited talk at Summer Forum on Frontier of High Energy Physics: LHC Physics, July 8 12, 2008 in Weihai, China
- "Road to Discovery of ATLAS/LHC", physics colloquium at California State University, Dominguez Hills on 3/5/2008
- "Road to Discovery of ATLAS/LHC", physics colloquium at California State University, Fresno on 2/8/2008
- "New Semileptonic Results from CLEO", invited talk at 33rd International Conference on High Energy Physics (ICHEP2006), July 26 August 2, 2006 in Moscow, Russia
- "Significance Calculation and a New Method to Search for New Physics and H → γγ", invited talk at North American ATLAS Standard Model and Higgs Workshop, April 26 – 28, 2006 at Argonne National Lab
- "D" $\rightarrow \mu^+ \nu$ and f_D + from 281 pb⁻¹ at $\Psi(3770)$ with CLEO-c", invited talk at International Europhysics Conference on High Energy Physics (HEP2005), July 21 27, 2005 in Lisboa, Portugal
- "Hadronic Decays and Cross-sections at $\Psi(3770)$ with CLEO-c", invited talk at International Europhysics Conference on High Energy Physics (HEP2005), July 21 27, 2005 in Lisboa, Portugal
- "Semileptonic D Decays from CLEO and BELLE", invited talk at 32^{nd} International Conference on High Energy Physics (ICHEP2004), July 21-27, 2004, August 16-23, 2004 in Beijing, China
- "LHC and ATLAS Physics", invited lecture series at International Workshop on Frontiers in High Energy Physics, July 2-10, 2004 in Beijing, China
- "Recent Charm Results from CLEO", invited talk at International Europhysics Conference on High Energy Physics (EPS2003), July 17 23, 2003 in Aachen, Germany
- "B Physics and Recent Results from CLEO", High Energy Physics Seminar at Michigan State University on 10/16/2001
- "Recent Results from CLEO Collaboration", invited talk at International Conference on Flavor Physics (ICFP2001), May 31 June 6, 2001 in Zhang-Jia-Jie, Hunan, China
- "Study of B Meson Decays to Charmonia Final States at CLEO", invited talk at American Physical Society, Division of Particle and Fields Conference (DPF2000), August 9 – 12, 2000 in Columbus, Ohio
- "On the Road to Measure CP Violation in B Decays", physics colloquium at University of Virginia on 3/24/2000
- "On the Road to Measure CKM Angles α and γ : Observation of $B \rightarrow \pi \rho$ Decays", High Energy Physics Seminar at Johns Hopkins University on 3/15/2000
- "On the Road to Measure CKM Angles a and γ : Observation of B $\rightarrow \pi \rho$ Decays", High Energy

Physics Seminar at University of Massachusetts, Amherst on 3/2/2000

- "CP Violation in B Decays", physics colloquium at University of Oklahoma on 2/24/2000
- "On the Road to Measure CKM Angles α and γ : Observation of B $\rightarrow \pi \rho$ Decays", High Energy Physics Seminar at Harvard University High Energy Physics Lab on 1/26/2000
- "On the Road to Measure CKM Angles α and γ : Observation of B $\rightarrow \pi \rho$ Decays", High Energy Physics Seminar at Stanford Linear Accelerator Center (SLAC) on 11/18/1999
- "First Observation of B $\rightarrow \pi \rho$ Decays at CLEO", High Energy Physics Seminar at University of Pennsylvania on 10/19/1999
- "First Observation of B $\rightarrow \pi \rho$ Decays", invited talk at American Physical Society (APS99) meeting, March 1999 in Atlanta, Georgia
- "Recent Results on Rare B Decays from CLEO", invited talk at American Physical Society, Division of Particle and Fields Conference (DPF99), Jan., 1999 in Los Angeles, California
- "Recent Studies of Hadronic B Decays at CLEO", invited talk at the Fifth Conference on Physics Beyond the Standard Model, May, 1997 in Balholm, Norway
- "Measurement of Λ_b Mass in ALEPH", invited talk at the Third German-Russian Workshop on Heavy Quark Physics, May, 1996 in Dubna, Russia
- "Precise Measurement of b Baryon Lifetime and Exclusive Reconstruction of Λ_b in ALEPH", High Energy Physics Seminar at Lawrence Berkeley Laboratory on 11/28/1995
- "Precise Measurement of b Baryon Lifetime and Exclusive Reconstruction of Λ_b in ALEPH", High Energy Physics Seminar at Stanford Linear Accelerator Center (SLAC) on 11/21/1995
- "Precise Measurement of b Baryon Lifetime and Exclusive Reconstruction of Λ_b in ALEPH", High Energy Physics Seminar in the Department of Physics, Yale University on 11/16/1995
- "Precise Measurement of b Baryon Lifetime and Exclusive Reconstruction of Λ_b in ALEPH", High Energy Physics Seminar at High Energy Physics Laboratory, Harvard University on 11/10/1995
- "Measurements of b Baryon Lifetime", invited talk at American Physical Society, Division of Particle and Fields Conference (DPF94), Aug., 1994 in Albuquerque, New Mexico
- "Evidence for Λ_b Baryon in Z Decays", invited talk at American Physical Society (APS93), Apr., 1993 in Washington D.C.
- "Evidence for Λ_b Baryon in Z Decays", invited talk at American Physical Society, Division of Particle and Fields Conference (DPF92), Nov., 1992 in Batavia, Illinois

<u>Selected Publications:</u> (Full list of publication includes **over 1000 papers** published mainly in Physical Review, Physical Review Letters, Physics Letters, etc.)

- 1. G. Aad, et al. (ATLAS collaboration), "Measurement of cross sections for production of a Z boson in association with a flavor-inclusive or doubly b-tagged large-radius jet in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment" Phys. Rev. D 108 (2023) 012022
- 2. G. Aad, et al. (ATLAS collaboration), "Search for the charged-lepton-flavor-violating decay Z \rightarrow e μ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment" Phys. Rev. D 108 (2023) 032015
- 3. G. Aad, et al. (ATLAS collaboration), "Search for Higgs boson pair production in the two bottom quarks plus two photons final state in pp collisions at \sqrt{s} =13 TeV with the ATLAS detector" Phys. Rev. D 106 (2022) 052001
- 4. G. Aad, et al. (ATLAS collaboration), "A search for an unexpected asymmetry in the production of $e^+\mu^-$ and $e^-\mu^+$ pairs in proton–proton collisions recorded by the ATLAS detector at

- $\sqrt{s} = 13 \text{ TeV}$ " Phys. Lett. B 830 (2022) 137106
- 5. G. Aad, et al. (ATLAS collaboration), "Medium-induced modification of Z-tagged charged particle yields in Pb+Pb collisions at 5.02 TeV with the ATLAS detector" Phys. Rev. Lett. 126 (2021) 072301
- 6. G. Aad, et al. (ATLAS collaboration), "Measurement of the associated production of a Higgs boson decaying into b-quarks with a vector boson at high transverse momentum in pp collisions at \sqrt{s} =13 TeV with the ATLAS detector" Phys. Lett. B 816 (2021) 136204
- 7. G. Aad, et al. (ATLAS collaboration), "Search for heavy resonances decaying into a photon and a hadronically decaying Higgs boson in pp collisions at \sqrt{s} =13 TeV with the ATLAS detector" Phys. Rev. Lett. 125 (2020) 251802
- 8. M. Aaboud, et al. (ATLAS collaboration), "Search for new resonances in mass distributions of jet pairs using 139 fb-1of pp collisions at sqrt(s) = 13 TeV with the ATLAS detector" JHEP 03 (2020) 145
- 9. M. Aaboud, et al. (ATLAS collaboration), "Search for Low Mass Dijet Resonances Using Trigger-Level Jets with the ATLAS Detector in LHC pp Collisions at sqrt(s)=13 TeV" Phys. Rev. Lett. 121 (2018) 081801
- 10. M. Aaboud, et al. (ATLAS collaboration), "Search for New Phenomena in Dijet Events using 37 fb-1 of PP Collision Data Collected at sqrt(S)=13 TeV with the ATLAS Detector" Phys. Rev. D 96 (2017) 052004
- 11. G. Aad, et al. (ATLAS collaboration), "Search for New Phenomena in Dijet Mass and Angular Distributions from PP Collision at sqrt(S)=13 TeV with the ATLAS Detector" Phys. Lett. B754, 302 (2016)
- 12. G. Aad, et al. (ATLAS collaboration), "Search for New Phenomena in Dijet Angular Distributions in Proton-Proton Collision at sqrt(S)=8 TeV Measured with the ATLAS Detector" Phys. Rev. Lett. 114, 221802 (2015)
- 13. G. Aad, et al. (ATLAS collaboration), "Search for New Phenomena in Dijet Mass Distributions Using PP Collision at sqrt(S)=~8 TeV" PRD 91, 052007 (2015)
- 14. G. Aad, et al. (ATLAS collaboration), "ATLAS Search for New Phenomena in Dijet Mass and Angular Distributions Using PP Collision at 7 TeV" Journal of High Energy Physics 01, 029 (2013)
- 15. G. Aad, et al. (ATLAS collaboration), "Observation of a new particle in the search for the Standard Model Higgs boson with the ATLAS detector at the LHC" Phys. Lett. B716, 1 (2012)
- 16. G. Aad, et al. (ATLAS collaboration), "Search for New Physics in the Dijet Mass Distribution Using 1 fb-1 of PP Collisions Data at sqrt(s) = 7 GeV Collected by the ATLAS Detector" Phys. Lett. B708, 37 (2012)
- 17. G. Aad, et al. (ATLAS collaboration), "Search for New Physics in the Dijet Mass and Angular Distributions in PP Collisions Data at sqrt(s) = 7 GeV Measured with the ATLAS Detector" New Journal of Physics 13, 053044 (2011)
- 18. G. Aad, et al. (ATLAS collaboration), "Measurement of the W \Rightarrow lnu and $Z/\gamma^* \Rightarrow$ ll Production Cross Section in PP Collisions at sqrt(s) = 7 TeV with the ATLAS Detector" Journal of High Energy Physics 12, 060 (2010)
- 19. J.Y. Ge et al. (CLEO collaboration), "Study of $D^0 \rightarrow \pi^- e^+ \nu$, $D^+ \rightarrow \pi^0 e^+ \nu$, $D^0 \rightarrow K^- e^+ \nu$, and $D^+ \rightarrow K^0 e^+ \nu$ in Tagged Decays of the Psi(3770)" Phys. Rev. D79, 052010 (2009)
- 20. S. Dobbs et al. (CLEO collaboration), "Study of the Semileptonic Charm Decays $D^0 \rightarrow \pi^- e^+ \nu$, $D^+ \rightarrow \pi^0 e^+ \nu$, $D^0 \rightarrow K^- e^+ \nu$, $D^+ \rightarrow K^0 e^+ \nu$ " Phys. Rev. D77, 112005 (2008)
- 21. D. Cronin-Hennessy et al. (CLEO collaboration), "Study of the Decays $D^0 \rightarrow \pi^- e^+ \nu$, $D^+ \rightarrow \pi^0 e^+ \nu$,

- $D^0 \rightarrow K^-e^+\nu$, $D^+ \rightarrow K^0e^+\nu$ " Phys. Rev. Lett. 100, 251802 (2008)
- 22. Y. Gao, L. Lu and X. Wang, "Significance Calculation and a New Analysis Method in Searching for New Physics at the LHC" Eur. Phys. J. C45, 659 (2006)
- 23. J. Colas et al. "Position Resolution and Particle Identification with the ATLAS EM Calorimeter" Nucl. Instrum. Meth. A550, 96 (2005)
- 24. T.E. Coan et al. (CLEO collaboration), "Absolute Branching Fraction Measurements of Exclusive D⁰ Semileptonic Decays" Phys. Rev. Lett. 95, 181802 (2005)
- 25. G.S. Huang et al. (CLEO collaboration), "Absolute Branching Fraction Measurements of Exclusive D⁺ Semileptonic Decays" Phys. Rev. Lett. 95, 181801 (2005)
- 26. T.E. Coan et al. (CLEO collaboration), "Wess-Zumino Current and the Structure of the Decay $\tau^- \rightarrow K^-K^+\pi^-\nu$ " Phys. Rev. Lett. 92, 232001 (2004)
- 27. R.A. Roy et al. (CLEO collaboration), "Branching Fractions of τ Leptons to Three Charged Hadrons" Phys. Rev. Lett. 90, 181802 (2003)
- 28. T.E. Coan et al. (CLEO collaboration), "First Search for the Flavor Changing Neutral Current Decay $D^0 \rightarrow \gamma \gamma$ " Phys. Rev. Lett. 90, 101801 (2003)
- 29. R. Mahapatra et al. (CLEO collaboration), "Observation of Exclusive B \rightarrow D^(*)K*- Decays" Phys. Rev. Lett. 88, 101803 (2002)
- 30. S. Anderson et al. (CLEO collaboration), "Improved Upper Limits on the FCNC Decays B \rightarrow Kl⁺l⁻ and B \rightarrow K*(892)l⁺l⁻" Phys. Rev. Lett. 87, 181803 (2001)
- 31. C.P. Jessop et al. (CLEO collaboration), "Study of Charmless Hadronic B Meson Decays to Pseudoscalar-Vector Final States" Phys. Rev. Lett. 85, 2881 (2000)
- 32. B. Nemati et al. (CLEO collaboration), "Search for Color Suppressed B Hadronic Decay Processes with CLEO", Phys. Rev. D57, 5363 (1998)
- 33. R. Barate et al. (ALEPH collaboration), "Measurement of the b Baryon Lifetime and Branching Fractions in Z Decays" Eur. Phys. J. C2, 197 (1998)
- 34. H.F. Sadronzinski et al. "Monitoring the Performance of Silicon Detectors with Binary Readout in the ATLAS Beam Test" Nucl. Instrum. Meth. A383, 245 (1996)
- 35. D. Buskulic et al. (ALEPH collaboration), "Measurement of the Mass of the Λ_b Baryon" Phys. Lett. B380, 442 (1996)
- 36. Buskulic et al. (ALEPH collaboration), "Measurements of the b Baryon Lifetime" Phys. Lett. B357, 685 (1995)
- 37. Decamp et al. (ALEPH collaboration), "Charged Particle Pair Production Associated with a Lepton Pair in Z Decays: Indication of an excess in the τ Channel" Phys. Lett. B263, 112 (1991)
- 38. Decamp et al. (ALEPH collaboration), "A Search for Pair Produced Charged Higgs Bosons in Z Decays" Phys. Lett. B241, 623 (1990)

Synergistic Activities in Experimental High Energy Physics:

- 1. ATLAS experiment at the Large Hadron Collider of CERN (2002 present):
 - Enrolled CSU Fresno as a collaboration institute of ATLAS and CERN (2007); Enrolled CSU as a member of ATLAS Institutional Board (2019)
 - Serving as team leader of the CSU Fresno ATLAS program (2007 present); Among all the 23 CSU campuses, CSU Fresno was the only one on ATLAS or CMS, the two LHC experiments which discovered the Higgs boson (so-called "God" particle) in 2012. This was the first research a CSU campus was involved in which has resulted in a Nobel prize.
 - Leading the effort of developing the first virtual US ATLAS computing facility on cloud to explore

- cloud solution for ATLAS with \$250,000 Amazon Web Services (AWS) cloud credit award from CSU Chancellor's Office (2019 present)
- Building up the CSU Nuclear and Particle Physics Consortium (NUPAC) which consists of 20 CSU campuses (Bakersfield, Channel Islands, Chico, Dominguez Hills, East Bay, Fresno, Humboldt, Long Beach, Los Angeles, Northridge, Pomona, Sacramento, San Bernardino, San Diego, San Francisco, San Jose, San Luis Obispo, San Marcos, Sonoma, and Stanislaus) (2008 present). The CSU Fresno ATLAS program has been the center of CSU NUPAC
- Developing new color-connection jet substructure and superstructure variables for new physics searches and trigger (2010 2012)
- New physics searches with jets in final state using ATLAS data (2009 present)
- ATLAS detector and upgrades (2010 present)
- ATLAS CONNECT project to connect US ATLAS Tier 3 clusters to Tier 2 centers for ATLAS collaboration (2013 present)
- Built up ATLAS Grid Computing Tier 3 clusters at CSU Fresno and other 8 US ATLAS institutions for ATLAS physics analyses with \$620,000 NSF MRI award (2009 2013)
- Initiated ATLAS performance and particle identification studies using reflections of Z decays (2006-2008)
- Significance calculation and a new analysis method to search for new physics at LHC (EPJC2006)
- Electron identification and $e-\pi$ separation with Liquid Argon test beam data (NIM2005)
- Supervise CSU Fresno postdocs, graduate and undergraduate students on ATLAS (2008 present)
- Supervise graduate and undergraduate students from other CSU NUPAC campuses on ATLAS (2009 present)
- Supervise visiting ATLAS Ph.D students Wei Ding of Tsinghua University of China (2017 to present) and Dengfeng Zhang from Shandong University of China (2015 to 2018)
- Supervise SMU postdoc and graduate students on ATLAS (2002 2007)
- 2. CLEO experiment at the Cornell Electron-positron Storage Ring (CESR) of Cornell University (1996 2006):
 - Team leader of the SMU CLEO group (2001 2006)
 - Coordinator of CLEO III silicon vertex detector assembly and testing at Cornell University (1996 1999)
 - Study of B, charm and tau physics using CLEO data
 - Responsible for 11 Physical Review Letters (PRL) and Physical Review D (PRD) papers
 - Tracking systematic studies with CLEO III
 - Supervise SMU postdoc on CLEO (2000 2005)
- 3. ALEPH experiment at the Large Electron-Positron (LEP) Collider of CERN (1989 1995):
 - Precision measurement of b-baryon lifetime, rare B decays, searches for Higgs & new physics, etc.
 - Responsible for 4 Physics Letters (PL) papers

Research Activities on the ATLAS Experiment of LHC at CERN (2002 – present, and 1995):

• Lead the effort to develop the first virtual US ATLAS computing facility on cloud to explore cloud solution for ATLAS with \$250,000 Amazon AWS cloud credits award from CSU Chancellor's Office

- New color-connection jet substructure and superstructure variables for new physics searches, and new physics searches with jets in final state:
 - Talks at the ATLAS Higgs, Standard Model, and Exotics Working Groups from 2009 to 2012.
- ATLAS CONNECT to connect US ATLAS Tier 3 clusters to Tier 2 centers for ATLAS collaboration.
 CSU Fresno Tier 3 was the first Tier 3 cluster on ATLAS CONNECT and has been the testbed for ATLAS CONNECT (2013 present)
- Build up ATLAS Grid Computing Tier 3 cluster at CSU Fresno for ATLAS physics analyses with NSF MRI award (2009 2013)
- Upgrade of ATLAS detector:
 - Talks by CSU students at ATLAS Inner Detector, Muon Detector, Trigger upgrade R&D working groups from 2010 to present
- Initiated ATLAS performance studies, particle identification efficiencies and fake rates using reflections of Z decays from incoming ATLAS data and their impacts on ATLAS physics program:
 - Talks at the ATLAS Higgs, Standard Model, Exotics, Electron/Photon, Jet/EtMiss, and Tau
 Working Groups from 2006 to 2008. Method and work adopted by ATLAS for performance
 studies, electron/photon identification efficiencies and fake rate studies, and new physics searches
 with ATLAS data
- Significance calculation and a new method to search for new physics at the LHC:
 - Talks at the ATLAS Higgs Working Group from 2005 to 2007
 - Published in European Physical Journal C45, 659 (2006). Method adopted by ATLAS for Higgs and new physics searches
- Electron identification and $e-\pi$ separation with 2002 ATLAS liquid argon testbeam data:
 - · ATLAS Note: ATL-LARG-2003-013 by L. Lu, Y. Gao and R. Stroynowski
 - Published in Nucl. Instrum. Meth. A550, 96 (2005)
- Set up ATLAS grid computing cluster at SMU in 2002 with DOE grant and SMU fund
- Participate ATLAS data challenges with the SMU computing cluster as US ATLAS Grid Testbed site
- ATLAS silicon microstrip detector R&D:
 - · Test FELIX front-end readout chips
 - Beam test and signal/noise measurements
 - Published in Nucl. Instrum. Meth. A383, 245 (1996)

Research Activities on CLEO Experiment of CESR (1996 – 2006):

- Precise measurements of D^0 and D^+ form factors and CKM matrix elements V_{cs} and V_{cd} using exclusive $D^0 \rightarrow K^-e^+\nu_e$, $\pi^-e^+\nu_e$, $D^+ \rightarrow K^0_S e^+\nu_e$, $\pi^0e^+\nu_e$ decays:
 - · CLEO Note: CBX 05-35 by F. Liu and Y. Gao
 - Published in Phys. Rev. Lett. 100, 251802 (2008), Phys. Rev. D77, 112005 (2008), and Phys. Rev. D79, 052010 (2009)
- Absolute branching fraction measurements of exclusive D⁰/D⁺ semileptonic decays:
 - CLEO Note: CBX 05-35 by F. Liu and Y. Gao
 - First observation of $D^0 \rightarrow \rho^- e^+ \nu_e$ and improved measurements of $D^0 \rightarrow K^- e^+ \nu_e$, $\pi^- e^+ \nu_e$, and $K^{*-} e^+ \nu_e$ with first CLEO-c data
 - Published in Phys. Rev. Lett. 95, 181801 (2005) and Phys. Rev. Lett. 95, 181802 (2005)

- Wess-Zumino current and the structure in the decay $\tau^- \rightarrow K^- K^+ \pi^- \nu$:
 - · CLEO Note: CBX 03-27 by F. Liu, R. Stroynowski and Y. Gao
 - Published in Phys. Rev. Lett. 92, 232001 (2004)
- First search for Flavor-Changing-Neutral-Current (FCNC) process of $D^0 \rightarrow \gamma \gamma$:
 - · CLEO Note: CBX 02-30 by Y. Gao
 - Published in Phys. Rev. Lett. 90, 101801 (2003)
- Study of τ to three charged hadron decays at CLEO III:
 - CLEO Notes: CBX 02-29, 03-2 by F. Liu, R. Stroynowski and Y. Gao
 - Published in Phys. Rev. Lett. 90, 181802 (2003)
- Tracking systematic study with CLEO III:
 - · CLEO Note: CBX 02-13 by F. Liu and Y. Gao
- First observation of B \rightarrow D⁰K*-, D⁺K*-, D*0K*-, and D*+K*-
 - Can be used to measure the angle γ of the "Unitarity Triangle"
 - CLEO Notes: CBX 01-43, 01-43b by F. Liu, Y. Gao and R. Stroynowski
 - Published in Phys. Rev. Lett. 88, 101803 (2002)
- Search for Flavor-Changing-Neutral-Current (FCNC) decay B \rightarrow 1⁺1⁻K^(*):
 - · CLEO Note: CBX 01-20 by Y. Gao
 - Published in Phys. Rev. Lett. 87, 181803 (2001)
- New physics opportunities at the Upsilon(5S) for CLEO:
 - · CLEO Note: CBX 00-41 by Y. Gao
- First observation of B $\rightarrow \pi^{\pm} \rho^{0}$, B $\rightarrow \pi^{+} \rho^{-}$ and $\pi^{-} \rho^{+}$:
 - First observation of hadronic b \rightarrow u transitions
 - Can be used to measure the angle α and γ of the "Unitarity Triangle"
 - CLEO Notes: CBX 99-71, 99-12, 98-77, 98-47 and 97-96 by Y. Gao and G. Brandenburg
 - Published in Phys. Rev. Lett. 85, 2881 (2000)
- Search for $B^0 \rightarrow \pi^0 \rho^0$, $\pi^0 K^{*0}$, $K^+ \rho^-$, and $B \rightarrow \pi^0 \rho^{\pm}$, $\pi^0 K^{*\pm}$, $K^{\pm} \rho^0$, $\pi^{\pm} K^{*0}$:
 - · CLEO Notes: CBX 99-70, 99-30 by Y. Gao and G. Brandenburg
 - Published in Phys. Rev. Lett. 85, 2881 (2000)
- Search for color-suppressed B hadronic decays $B^0 \to D^0(D^{*0})\pi^0(\rho^0, \eta, \eta', \omega)$:
 - · CLEO Notes: CBX 97-30, 97-58 by Y. Gao
 - Published in Phys. Rev. D57, 5363 (1998)
- Coordinator of CLEO III silicon vertex detector assembly and testing project at Cornell University (1996 1999):
 - Design all the assembly and testing procedures
 - Train and supervise technicians and graduate students in prototyping and production

Research Activities on ALEPH Experiment of LEP at CERN (1989 – 1995):

- Exclusive reconstruction of Λ_b baryon:
 - Published in Phys. Lett. B380, 442 (1996)
- Precise measurements of b baryon lifetime:
 - First precise b baryon lifetime measurement using silicon vertex detector. It showed for the first time that b baryon lifetime is significantly shorter than that of b mesons

- Ph. D. Thesis at University of Wisconsin-Madison
- Published in Phys. Lett. B357, 685 (1995)
- Charged particle pair production associated with a lepton pair in Z decays: Indication of an excess in the Tau channel:
 - Published in Phys. Lett. B263, 112 (1991)
- A search for pair produced charged Higgs boson in Z decays:
 - Published in Phys. Lett. B241, 623 (1990)

Mentoring Activities:

• Postdoctoral Researchers Supervised:

- Harinder Bawa (2008 present)
- Andrew Lowe (2010 2012, current position: scientific fellow at Wigner Research Centre for Physics)
- David Joffe (2004 2007, current position: associate professor at Kennesaw State University)
- Feng Liu (2000 2006, current position: project physicist at University of California, Riverside)

• Graduate Students Supervised:

- External Ph.D thesis advisor of Wei Ding (2017 present) of Tsinghua University of China
- External Ph.D thesis advisor of Dengfeng Zhang (2015 2017) of Shangdong University of China. Current position: Postdoc of Tsinghua University of China
- Ph.D thesis advisor of Liang Lu (2002 2005). Current position: Operation President of Bokee Information Technology Co., Beijing, China;
- Arya Afshari (2010 2013)
- Kheni Avikumar (2024 present)
- Emmauel Angulo (2010 2014)
- Brandon Ausmus (2013 2014)
- Michael Blackston (2007 2011)
- Marijus Brazickas (2014 2016)
- Dan Brown (2019 2021)
- Michael Duncan (2009 2010)
- Eric Goeken (2017 2018)
- Jimmy Gonzalez (2015 2017)
- Jason Gruzdas (2018 2020)
- Patrick Hinrichs (2023 present)
- James Macdougall (2010 2013).
- Jeraldo Martinez (2009 2010)
- Roger Newcomb (2009 2010)
- Blanca Nino (2019 2021)
- Noraim Nunez (2019 2021)
- Mit Patel (2024 present)
- Tristan Peters (2022 2023)

- Navid Rad (2010 2013)
- Victor Ruelas (2013 2015)
- Anand Saggu (2018 2019)
- John Scott (2014)
- Larry Scott (2012 2014)
- Ethan Tombaugh (2023 present)
- Jennifer Tyler (2017 2018)
- Jaryd Ulbricht (2013 2015)
- Varun Varahamurthy (2013 2014).
- Brent Wilson (2009 2011).

• Undergraduate Students Supervised:

Adrien Atallah (2010), Brandon Ausmus (2013), Aaron Bassill (2015 – 2016), Wil Barden (2018 – present), Lawrence Carlson (2008 – 2011), Andrew Castro (2011), Taylor Dinkins (2015 – 2016), Joseph Dipirro (2008), Michael Dobbs (2015 – 2016), Kaelyn Dauer (2019), Alaric Doria (2013), Cameron Embree (2013 – 2015), Gradon Faulkner (2013 – 2015), Jimmy Gonzalez (2013 – 2015), Simon Gonzales (2011 – 2013), Ian Guerrero (2015 – 2016), Brandon Gunn (2016 – 2017), Michael Hatfield (2011), Joseph Hunter (2011), Sarah Kroeker (2015 – 2016), Olivia Krohn (2013 – 2017), Zachary Kurland (2016 – 2017), Valentina Lee (2016 – 2018), Eric Licciardello (2013 – 2014), Annette Lopez (2015 – present), James MacDougall (2009 – 2010), Jeraldo Martinez (2008 – 2009), Sarah McGovern (2010), Tanaz Angelina Mohayai (2009), Sasha Moskaleva (2010), Jon Van Noort (2015), Fiona Pons (2015 – 2016), Jeremy Rentch (2013), Jeffrey Rowland (2014 – 2015), Gerald Rude (2008), Stephan Squire (2015 – 2016), Michael Santos (2023), Gabriel Soto (2022), Daniel Turner (2015 – 2015), Varun Varahamurthy (2012 – 2013), Ethan Villarama (2015 – 2016), Geordan Waldman (2015), Steve Wilburn (2008), and Ben Zastovnik (2008 – 2009).

• Students from CSU Nuclear and Particle Physics Consortium (NUPAC) Campuses Supervised to Work at CERN on ATLAS Research during Summer:

Year	CSU NUPAC students worked at CERN on ATLAS research projects	
2024	5 (Channel Islands: 1; Fresno: 2; Northridge: 1; San Francisco: 1	
2023	23 6 (Channel Islands: 1; Fresno: 1; Pomona: 2; San Francisco: 2)	
2019	19 13 (Fresno: 1; Channel Islands: 3; East Bay: 3; Los Angeles: 2; Northridge: 1	
	Sacramento: 3)	
2018 12 (Fresno: 3; Channel Islands: 2; Sacramento: 5; San Francisco: 1; Sonoma: 1)		
2017	12 (Fresno: 4; Channel Islands: 1; Humboldt: 1; Northridge: 1; San Francisco: 1;	
	Sacramento: 3; Sonoma: 1)	
2016	12 (Fresno: 6; Channel Islands: 1; Humboldt: 1; Los Angeles: 1; Sacramento: 2;	
	Sonoma: 1)	
2015	7 (Fresno: 5; Channel Islands: 2)	
2014	7 (Fresno: 5; Channel Islands: 2)	
2013	6 (Fresno: 3; Channel Islands: 3)	
2012	5 (Fresno)	
2011	6 (Fresno: 4; Pomona: 2)	

2010	5 (Fresno: 2; Long Beach: 2; Sacramento: 1)
2009	5 (Fresno: 4; Sacramento: 1)
2008	5 (Fresno)

Teaching Experience:

Undergraduate Courses:

"General Physics: Mechanics":

Credit hours: 3 Enrollment: ~100 (2007, 2008, 2009, 2010, etc.)

"General Physics Lab: Mechanics"

Credit hours: 3 Enrollment: ~25 (2007, 2008, 2010, 2011, 2012, etc.)

"Introductory Mechanics"

Credit hours: 3 Enrollment: ~120 (2001)

"Introductory Electricity and Magnetism"

Credit hours: 3 Enrollment: ~120 (2001, 2002, 2003, 2004)

"Modern Physics"

Credit hours: 3 Enrollment: ~20 (2005, 2006, 2007, 2009)

"Introduction to High Energy Physics, Part I"

Credit hours: 3 Enrollment: ~15 (2008)

"Introduction to High Energy Physics, Part II"

Credit hours: 3 Enrollment: ~15 (2008)

"Introduction to Particle Physics and ATLAS Experiment of LHC at CERN" (Online course to CSU NUPAC campuses)

Credit hours: 4 Enrollment: ~30 (Since 2012)

"Tools/Skills for Working at CERN on ATLAS Research" (Online course to CSU NUPAC campuses)

Credit hours: 4 Enrollment: ~15 (Since 2017)

Graduate Courses:

"Classical Mechanics"

Credit hours: 3 Enrollment: ~10 (2000 and 2002)

"Particle Physics"

Credit hours: 3 Enrollment: ~10 (2001 and 2008)

New Course Development:

I have designed and developed 6 new courses: the undergraduate courses "High Energy Physics I", "High Energy Physics II", "High Energy Physics Lab/Project", graduate course "Particle Physics", online undergraduate courses "Introduction to Particle Physics and ATLAS Experiment of LHC at CERN", and online "Tools/Skills for Working at CERN on ATLAS Research".

Online Course Development:

To prepare new students from CSU NUPAC campuses to work at CERN on ATLAS research every summer, I developed the online courses "Introduction to Particle Physics and ATLAS Experiment of LHC at CERN" in 2013 and "Tools/Skills for Working at CERN on ATLAS Research" in 2017. These online courses are offered every fall and spring semester across CSU NUPAC campuses to prepare new CSU students to work at CERN every summer.

Departmental and University Service

- Representative of CSU for ATLAS Institutional Board (2/2019 to 2022)
- Undergraduate advisor of the Department of Physics, CSU Fresno (1/2018 to 2019)
- Representative of CSU for US LHC Users Organization (5/2015 to 2022)
- Representative of CSU Fresno for US LHC Users Organization (10/2007 to 5/2015)
- Representative of CSU Fresno for US ATLAS Institutional Board (10/2007 to 5/2015)
- Retention, Tenure and Promotion (RTP) committee member for Prof. Vitali Ettore at CSU Fresno (2018 2022)
- Retention, Tenure and Promotion (RTP) committee member for Prof. Mihai Gherase at CSU Fresno (2016 2019)
- Retention, Tenure and Promotion (RTP) committee member for Prof. Pei-Chun Ho at CSU Fresno (2012 2013)
- Member of the Research Committee of College of Science and Mathematics at CSU Fresno (2008 2013, and 2015 2018)
- Member of the New ATLAS Faculty Search Committee of the physics department of CSU Sacramento (2013 2014)
- Chair of Arya Afshari's Master Thesis committee at CSU Fresno (2012 2013)
- Chair of Emmanuel Angulo's Master Thesis committee at CSU Fresno (2013 2014)
- Chair of Dan Brown's Master Thesis committee at CSU Fresno (2020 2021)
- Chair of Blanca Nino's Master Thesis committee at CSU Fresno (2020 2021)
- Chair of Tristan Peter's Master Thesis committee at CSU Fresno (2022 2023)
- Chair of Navid Rad's Master Thesis committee at CSU Fresno (2012 2013)
- Chair of Victor Ruelas Rivera's Master Thesis committee at CSU Fresno (2015 2016)
- Chair of Ethan Tombaugh's Master Thesis committee at CSU Fresno (2023 present)
- Chair of Brent Wilson's Master Thesis committee at CSU Fresno (2010 2011)
- Chair of Jaryd Ulbricht's Master Thesis committee at CSU Fresno (2014 2015)
- Chair of Jennifer Tyler's Master Thesis committee at CSU Fresno (2019 2020)
- Member of Dengfeng Zhang's Ph.D Thesis committee at Shandong University, P.R. China (2018)
- Member of the University Assessment Committee at CSU Fresno, serving as assessment coordinator for physics department (2008 2012)
- Computing supervisor of SMU physics department (2001 2007). Supervise computer system managers; responsible for maintaining and upgrading of the physics computing system for productive teaching and research.
- Radiation Safety Officer of SMU physics department (2000 2007).
- Member of the SMU Information Technology Committee (2005 2007). The charter of this committee is to review and recommend to the University Senate policies concerning information technology, including issues regarding systems and networks
- Member of the SMU Computing Standards Committee (2002 2007). The charter of this committee is to make recommendations on computer hardware, software, network and server technology to University Committee on Information Technology (UCIT)
- Chair of Liang Lu's Ph.D Thesis committee at SMU in 2005

• Member of Matthew R. Knee's Master Thesis committee at SMU in 2004