

CURRICULUM VITA

PERSONAL

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EDUCATION

B. S. Physics, Georgia Institute of Technology, 1960
Ph.D. Physics, Georgia Institute of Technology, 1967

PROFESSIONAL & HONORARY SOCIETIES

American Physical Society - Fellow
American Association for Advancement of Science
American Association of Physics Teachers

CHRONOLOGY OF EXPERIENCE

1960-1963	Officer USMC - Battery commander HAWK missile, battery consisting of about 5 officers and 150 men plus equipment
1963-1967	Graduate Student, Georgia Institute of Technology
1967-1969	Staff Scientist - Oak Ridge National Lab
1969-1972	Assistant Professor - Rice University
1972-1973	Assistant Professor - University of Houston
1973-1980	Associate Professor - University of Houston
1980-present	Professor - University of Houston
1981-1986	Department of Physics Chairman
1987-1988	Department of Physics Chairman

VARIOUS CLASSES TAUGHT DURING LAST 6 YEARS

Class	Level	Text
1. Introductory Physics for Scientists and Engineers	Undergraduate	Commercial Texts
2. Electrodynamics	Senior Undergraduate	Griffiths Personal Notes
3. Classical Electromagnetism	Introductory Graduate	Jackson; Personal Notes
4. Physics of Hadronic Many Body Systems	Advanced Graduate	Personal Notes
5. Mathematical Methods of Physics I and II	Introductory Graduate	Afrken and Weber; Personal Notes
6. Computer Modeling and Data Analysis	Advanced Graduate	Personal Notes

TEACHING HONORS

Elected Outstanding Educator of America
 Elected "Top Prof" University of Houston
 "Outstanding Professor of the Year" Student Elected

RESEARCH GRANTS (University of Houston)

Date	Agency	Title	Role	Amount
74-75	DOE	Intermediate Energy Physics	PI	\$ 460,000
76-78	DOE	Intermediate Energy Physics	PI	780,000
79-81	DOE	Intermediate Energy Physics	PI	860,000
82-84	DOE	Intermediate Energy Physics	PI	950,000
84	DOE	SSC Design Study	4 Co-PI's	243,000
85-87	DOE	Intermediate Energy Physics	PI	1,004,000
85	TARP	Advanced Linear Accelerator Research	PI	400,000
86	DOE	Computer Equipment Grant	2 Co-PI's	350,000
86-90	NSF	Joint US-Yugoslavia Cooperative	2 Co-PI's	24,000+
88-90	DOE	Intermediate Energy Physics	PI	1,541,000
90-93	NSF	Joint US-Croatian Cooperative	2 Co-PI's	24,000+
91-93	DOE	Intermediate Energy Physics	PI	2,395,000
94-96	DOE	Intermediate Energy Physics	PI	1,353,000
95-98	DOE	Joint US-Croatian Cooperative	2 Co-PI	24,000+
97-98	NSF	Joint US-Japan Cooperative	PI	39,750
97-00	DOE	Intermediate Energy Physics	PI	1,583,000

00-03	DOE	Intermediate Energy Physics	PI	1,169,000
03-05	DOE	Intermediate Energy Physics	PI	700,000
03-06	NSF	Infrastructure for MECO	PI	450,000
01-06	UCI	R & D for the MECO Detector	PI	130,000
04-06	NSF	Science Outreach	PI	40,000
03-06	Jlab	Student Support	PI	75,000
05-08	DOE	Intermediate Energy Physics	PI	650,000
06	DOE	Phase I TIRR-Development of a High Rate Timing ASIC	PI	50,000
09-13	NSF	MAX Dark Matter Search	PI	345,759

PENDING RESEARCH GRANTS

Date	Agency	Title	Role	Amount
10	NSF	A Depleted Argon Detector for a Darkmatter Search - support anticipated	PI	472,541

SAMPLING OF PROFESSIONAL ACTIVITIES

Date	Activity	Description
1974-Present	Reviewer	NSF, DOE, Professional Journals
1979-1980	Chairman	Organizing Committee International Conference, Meson Nuclear Physics(Houston)
1984-1988	ORAU Council Member	Oak Ridge Associated Universities
1984-Present	Advisory Committee	International Conferences on Kaon and Hypernuclear Physics
1984-1985	Program Committee	ASU Conference on Hadronic Probes
1985-1986	Coordinator	Interface between High Energy and Nuclear Physics
1986-1988	LAMPF Policy Board	Adviser to Director of Los Alamos Scientific Lab about LAMPF
1986-1987	DNP Subcommittee on Computing	DOE and NSF Advisory Committee on Computing
1989	LAMPF Task Force	Study Hypernuclear Physics Program for LAMPF
1989-1991	Executive Committee Texas Section APS	Elected Sectional Representative
1990-1996	Dissertation Awards Committee	APS Division of Nuclear Science Committee
1998-1991	Board of Directors	Los Alamos Users Group
1996	Chair	Los Alamos Users Group
1996-1997	TRIUMF Experiment	Natural Science and Engineering

	Review	Research Council Canada, Subcommittee	
1997-1998	Advisory Committee	International Conference on Mesons	
1999	Review Committee	Chair, KEK Program SKS Review	
2000	International Conference Strange-Nuclear Physics	Advisory Committee	
1999-2000	Program Committee	APS Division of Nuclear Physics	
1997-2006	Advisory Committee	Conference on Hypernuclear Spectroscopy	
2004	Lecturer	Fermi Summer School	Varenna, Italy
2006	Lecturer	Indian Summer School	Prague, Czech Republic
2008	Advisory Committee	International Conference of Strangeness in Nuclei	
2009	Lecturer	Koyoto School on Strangeness in Nuclei Koyoto University, Japan	
2010	Co-convener	Hadrons in Nuclei International Nuclear Physics Conference 2010 Vancouver, Canada	

THESES SUPERVISED (Major Adviser)

Student	Degree	Present Position
R. Rodgers	M.S., 1973	Dow Chemical
S. M. Bart	M.S., 1978	MCI Corporation
J. Lo	Ph.D., 1978	University of Perth, Australia
V. O'Hanian	Ph.D., 1981	Texico(Houston)
S. M. Bart	Ph.D., 1982	MCI Corporation
R. Hackenburg	Ph.D., 1983	Staff Brookhaven National Lab
L. G. Tang	Ph.D., 1987	Prof. Hampton Univ. and Staff Jefferson Lab.
K. Johnston	Ph.D., 1990	Professor LA Tech University
M. Barakat	Ph.D., 1992	AirSearch, Corp. Annapolis, MD
M. Park	Ph.D., 1992	Senior Researcher, ADD, Daejon, Korea
M. Dzemedzic	PhD. 1995	Imaging COnsultant Indiana
M. Ahmed	PhD. 1999	Research Faculty Duke University
R. Barber	PhD. 2000	Research Scientist Johnston Space Center - NASA
A. Alaniz	PhD. 2001	Research Staff Los Alamos National Lab
M. Sarsour	PhD. 2002	Assistant Professor

V. Rodrigues	PhD. 2006	Georgia State University Assistant Professor
M. Bukhari	PhD. 2006	Universidad Metropolitana San Juan, PR University Faculty Pakistan
S. Randeniya	PhD. 2007	Staff MD Anderson Hospital Radiology Research
A. Daniel	PhD. 2007	Post Doctoral Student Ohio University
N. Kalantarians	PhD 2008	Post Doctoral Student University of Virginia
N. El Khayari	PhD 2009	Staff Houston Community College

PRESENT PhD GRADUATE STUDENTS

J. Riznia	4th Year	Neutron Backgrounds in Dark Matter Searches
R. Thiloshana	4th Year	Neutron Backgrounds for Neutrino Experiments at the SNS

UNDERGRADUATE HONORS THESES

S. Tusi	2002
K. Covin	2005

COLLEGE COMMITTEES

Self Study Committee	1978-80
Graduate Studies Committee	1980-81
Research Committee	1984-86, chair
Policy Committee	1989-90; 1995-99(Co-Chair)

UNIVERSITY COMMITTEES

Graduate Council	1980-81
University Safety	1978-80; 85-86, chair85-86
Honors Council	1978-82
Tenure and Promotion	1990-92
University Review Panel	2005
ARP Awards	2005-2006
Dean's Review Committee	2007
Dean's Search Committee	2010

DEPARTMENTAL COMMITTEES

Executive Committee	1979-80; 96-98; 99-01; 03 - 05
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Graduate Studies	1980-81
Personnel Committee	1978-79; 88-90; 94-96; 01-03; 08-10
Department Chairman	1981-86; 87-88
Shop Committee	1988-present, chair
Space Committee	05-present, chair

SPONSORED SCHOLARLY WORK PRESENTLY IN PROGRESS

“MAX: Multiton Argon and Xenon DetectorsNSF \$ 354,795

REFERRED PUBLICATIONS

1. “Transverse Polarization in the Beta Decay of ^{170}Tm ”, E.V. Hungerford, *et. al.*, Phys. Rev., **152**(1966)1068
2. “Proton-Proton Final-State Interactions in the Reactions $^3\text{He}(d,t)2p$, $d(^3\text{He},t)2p$, $p(^3\text{He},d)2p$, and $^3\text{He}(^3\text{He},^4\text{He})2p$ ”, B.J. Morton, *et. al.*, Phys. Rev., **169**(1968)825
3. “Investigation of the Reaction $^4\text{He}(^4\text{He}, ^4\text{He})^4\text{He}^*$ at 64 MeV”, E.V. Hungerford, *et. al.*, Phys. Rev., **178**(1969)1584
4. “Proton-Proton Final-State Interaction in the $2\text{H}(p;pn)$ Reaction”, M. Ivanovich, *et. al.*, Nucl. Phys., **A156**(1970)616
5. “Nucleon-Nucleon Scattering Parameters from Final State Interactions”, E.E. Gross, *et. al.*, Phys. Rev., **C1**(1970)1365
6. “Some Consideration on Using the Comparison Procedure to Extract Two Nucleon Scattering Parameters from Final State Interactions”, E.V. Hungerford, Nucl. Phys., **A163**(1971)523
7. “Charge Symmetry Study with the Reactions $^2\text{H}(t, ^3\text{He})nn$ and $^2\text{H}(^3\text{He},t)pp$ ”, E.E. Gross, *et. al.*, Nucl. Phys., **A164**(1971)376
8. “A Multiwire Counter System for Use in Low, Medium and High Energy Physics”, J. Buchannan, *et. al.*, Nucl. Phys., **99**(1972)159
9. “An In-Flight Pion Beam Flux Monitor”, L. Coulson, *et. al.*, Nucl. Inst. and Meth., **101**(1072)257
10. “ $\pi^+ + ^{12}\text{C}$ Coulomb Nuclear Interference”, R. Fletcher, *et. al.*, Phys. Rev. Lett., **28**(1972)1209
11. “Proton Multiple Scattering at 600 MeV from C, Al, Cu, Cd, and Pb”, E.V. Hungerford, *et. al.*, Nucl. Phys., **A197**(1972)515

12. "DAMIT: A Small Computer Optical Model Program for p-elastic Scattering from Nuclei", E.V. Hungerford, Nucl. Inst. and Meth., **111**(1973)509
13. "Proton Spin Flip in Inelastic Scattering of ^{48}Ti , ^{50}Ti , ^{54}Fe , and ^{56}Fe ", J.L. Ellis, *et. al.*, np, **A120**(1973)557
14. " π^+ -Nuclear Total Cross Sections Near the (3/2,3/2) Resonance", N.D. Gabitzsch, *et. al.*, Phys. Lett., **47B**(1973)234
15. "Nuclear-Coulomb Interference in ^{12}C Scattering", G.S. Mutchler, *et. al.*, Phys. Rev., **C9**(1973)1198
16. "Pion Small-Angle Multiple Scattering at Energies Spanning the (3/2,3/2) Resonance", B.W. Mayes, *et. al.*, Nucl. Phys., **A230**(1974)515
17. "Nuclear-Coulomb Interference in π^+ - ^{16}O Scattering", G.S. Mutchler, *et. al.*, Phys. Rev., **C11**(1975)1873
18. "Multiple Scattering Angle Tables for Protons and Pions", E.V. Hungerford and B.W. Mayes, Atomic Data and Nuclear Data Tables, **15**(1975)477
19. "Comment on the Observation of a Moving Magnetic Monopole", E.V. Hungerford, Phys. Rev. Lett., **35**(1975)1303
20. "Kinematically-Complete Study of Pion Production by the reaction $^1\text{H}(p,\pi^+,p)n$ at 800 MeV", J. Hudomalj-Gabitzsch, *et. al.*, Phys. Lett., **B60**(1976)215
21. "Quasi-Free Scattering in Proton-Induced Deuterium Break-up at 585 and 800 MeV", R.D. Felder, *et. al.*, Nucl. Phys., **A264**(1976)397
22. "Pion Production from Li via the Reaction $\text{Li}(p;d,\pi^+)\text{He}$ at $E = 800$ MeV", J. Hudomalj-Gabitzsch, *et. al.*, AIP Proc., **33**(1976)274
23. "Pion Production in p-p Interactions at 800 MeV", R.D. Felder, *et. al.*, AIP Proc., **33**(1976)446
24. "Pion Production by 800 MeV Protons From Deuterium with a Spectator Neutron", E.V. Hungerford, *et. al.*, AIP Proc., **33**(1976)448
25. "Final State Interactions in Deuteron Break-Up by Protons at 585 and 800 MeV", R.O. Felder, *et. al.*, Nucl. Phys., **A280**(1976)308
26. "Pion Production from the $pp \rightarrow dn$ Reaction at 585 MeV", K.R. Hogstrom, *et. al.*, Phys. Rev., **C17**(1978)259

27. "Pion Radiotherapy: Studies with Nuclear Emulsion", J.C. Allred, *et. al.*, Physics in Med. Bio., **23**(1978)605
28. "Production of the Δ^{++} in the Reaction $pp \rightarrow \pi p + n$ at 800 MeV", J. Hudomalj-Gabitzsch, *et. al.*, Phys. Rev., **C18**(1978)2666
29. "Separation of Algal and Bacterial Cells with Flow-Microfluorometer", A.S. Paau, *et. al.*, Arc. Microbio., **120**(1979)271
30. "Pion Production in the Reaction $d(p;d,\pi)N$ at 800 MeV with a Spectator Neutron", J. W. Lo, *et. al.*, Phys. Rev., **C20**(1979)1479
31. "Analysis of an In-Flight Alpha Decay Detector for the Determination of Nanosecond Alpha activities", S. Bart, *et. al.*, Nucl. Inst. and Meth., **167**(1979)209
32. "States of ^{12}C Formed in the Reaction $^{12}\text{C}(K^-, \pi^-)$ ", R.E. Chrien, *et. al.*, Phys. Lett., **B89**(1979)31
33. "Reaction Mechanisms and Isospin Effects for the $pd \rightarrow ppn$ Processes at $P = 340 \text{ MeV}/c$ ", J.H. Hoftiezer, *et. al.*, Phys. Lett., **B88**(1979)73
34. "Search for α Decay of High Spin Isomers in Rare Earth Nuclei", J.A. Vrba, *et. al.*, Phys. Rev., **C22**(1980)755
35. "Kaon Elastic and Inelastic Scattering with the BNL Spectrometer", E.V. Hungerford, Nukleonika, **25**(1980)577
36. "Reaction $pd \rightarrow ppN$ in the Δ Resonance Region", J.H. Hoftiezer, *et. al.*, Phys. Rev., **C23**(1981)407
37. "Simple Adaptation to Extend the Range of Flow Cytometry Five Orders of Magnitude for DNA Analysis of Uni-axial Multicellular Systems", R.M. Hecht, *et. al.*, J. Histo. Cytochem., **29**(1981)771
38. "Angular Distribution of the Reaction of the Reaction $pd \rightarrow {}^3\text{He}\pi^0$ at 800 MeV", J.W. Lo, *et. al.*, Phys. Rev., **C23**(1981)1656
39. "K⁻ Meson Experiments", E.V. Hungerford, Nucl. Phys., **A353**(1981)75
40. "Observation of Levels in ^{13}C , ^{14}N and ^{18}O Hypernuclei", M. May, *et. al.*, Phys. Rev. Lett., **47**(1981)1106
41. "Experimental Observation of the Σ Hypernuclei, ${}^6_{\Sigma}\text{H}$ and ${}^{12}_{\Sigma}\text{C}$ ", H. Piekarczyk, *et. al.*, Phys. Lett., **B110**(1982)428

42. “Kaon Scattering from C and Ca at 800 MeV/c”, D. Marlow, *et. al.*, Phys. Rev., **25C**(1982)2619
43. “Experimental Study of the Σ -Nucleon System through the Reaction ${}^2\text{H}(\text{K},\pi)\Sigma\text{N}$ ”, M. May, *et. al.*, Phys. Rev., **C25**(1982)1079
44. “Asymmetries and Cross Sections for the Reaction on $\text{pp}\rightarrow\pi^+\text{pn}$ at 800 MeV”, A.D. Hancock, *et. al.*, Phys. Rev., **C27**(1983)2742
45. “Observation of Hypernuclear γ -Rays from ${}^7\text{Li}$ and ${}^9\text{Be}$ ”, M. May, *et. al.*, Phys. Rev. Lett., **51**(1983)2085
46. “Characteristics of a Pressed Silica Powder Cherenkov Detector”, R. Hackenburg, *et. al.*, Nucl. Inst. and Meth., **A226**(1984)361
47. “Consequences of the Pauli Principle Applied to a Quark Model Analysis of Light Hypernuclei”, L. Biedenharn and E. Hungerford, Phys. Lett., **B142**(1984)232
48. “Pion Scattering from C and Ca at 800 MeV/c”, W. Warton, *et. al.*, Phys. Rev., **C30**(1984)1662
49. “Observation of Λ -Hypernuclei in the ${}^{12}\text{C}(\pi^+, \text{K}^+){}_{\Lambda}^{12}\text{C}$ Reaction”, C. Milner, *et. al.*, Phys. Rev. Lett., **54**(1985)1237
50. “Transverse Spin Dependence of the pp Total Cross-section $\Delta\sigma_T$ from 0.8 to 2.5 GeV/c”, W.P. Madigan, *et. al.*, Phys. Rev., **D31**(1985)966
51. “The Weak Decay of ${}_{\Lambda}^{12}\text{C}$ and ${}_{\Lambda}^{11}\text{B}$ Hypernuclei”, R. Grace, *et. al.*, Phys. Rev. Lett., **55**(1985)1055
52. “Antineutron Annihilation Cross Sections from 500 MeV/c to Threshold”, D. Lowenstein, *et. al.*, Antiproton-86, (1986)43
53. “ Σ -Hypernuclear Experiments”, E. Hungerford, Nucl. Phys., **A450**(1986)157
54. “A Search for Narrow States in Antineutron-Proton total and Annihilation Cross Sections near nn Threshold”, T. Armstrong, *et. al.*, Phys. Lett., **B175**(1986)383
55. “Continuum Effects and the Interpretation of Σ -Hypernuclei”, R. Chrien, *et. al.*, Phys. Rev., **C35**(1987)1589
56. “Measurement of Antineutron-Proton Total and Annihilation Cross-Section from 100-500 MeV/c”, T. Armstrong, *et. al.*, Phys. Rev., **D36**(1987)659

57. "Observations of the Hyperon-Nucleus Systems Produced on ^{12}C and ^7Li Targets using the (K^-, π^+) Reaction", L.G. Tang, *et. al.*, Phys. Rev., **C38**(1988)846
58. "Measurement of the Imaginary Part of the I=1 NN S-Wave Scattering length", G.S. Mutchler, *et. al.*, 38D, **1988**(742)
59. "Search for Radiation Transitions in the Hypernucleus ^1_0B ", R. E. Chrien, *et. al.*, Phys. Rev., **C41**(1990)1062
60. "A Monte Carlo Study of the Resolution Limits in a Lead Streamer Chamber", L.G. Tang, *et. al.*, Nucl. Inst. and Meth., **A287**(1990)407
61. "Nonleptonic Weak Decay of $^5_\Lambda\text{He}$ and $^{12}_\Lambda\text{C}$ ", J.J. Szymansky, *et. al.*, Phys. Rev., **C43**(1991)849
62. "Study of Hypernuclei by Associated Production", P.H. Pile, *et. al.*, Phys. Rev. Lett., **66**(1991)2585
63. "Hypernuclear Investigations with Energetic Pions", B.F. Gibson, and E.V. Hungerford, LANL, **LA-UR-91-3969**(1991)
64. "Irradiation Effects on Flux Pinning and Jc in High Temperature Superconductors", J. Bechtold, *et. al.*, Physica, **C185**(1991)2211
65. "Defect Size Dependence of Critical Current Density Enhancements for Irradiated $\text{YBa}_2\text{Cu}_3\text{O}_7$ ", J. Bechtold, *et. al.*, Physica, **C197**(1992)199
66. "Sigma-Nucleus Interactions in the A=3,4 Systems", M. Barakat and E. V. Hungerford, Nucl. Phys., **A547**(1992)157
67. "Search for a Strangeness -1 Dibaryon below the Sigma-N Threshold", K. Johnston, *et. al.*, Phys. Rev., **C46**(1992)1573R
68. "Pion Production at Small Angles", J.L. Langenbrunner, *et. al.* LANL, LA-OR-91-1268(1991) and, Nucl. Phys., **A325**(1993)187
69. "Construction of the MEGA Photon Detector", M. Barakat, *et. al.*, Nucl. Inst. and Meth., **A349**(1994)118
70. "Experimental Considerations in Electroproduction of Hypernuclei", E. V. Hungerford, Jou. of Theor. Phy.(Sup), **117**(1994)135
71. "Quasielastic K^+ Scattering", C. M. Kormanyos, *et. al.*, Phys. Rev., **C51**(1995)669

72. “K⁺ Scattering from Nuclei”, E. V. Hungerford, Nucl. Phys., **A585**(1995)121c
73. “A Survey of Hypernuclear Physics”, B. F. Gibson and E. V. Hungerford, Phys. Rep., **257**(1995)350
74. “Charge Division Read-out in a 1.8 Meter Long Wire Chamber”, K. A. Lan, *et. al.*, IEEE Transactions on Nuclear Science, **42**(1995)1430
75. “A Large Acceptance Cylindrical Drift Chamber Detector”, D. A. Ambrose, *et. al.*, Nucl. Inst. and Meth., **A364**(1995)265
76. “Systematic Resolution Study of the Hall C Spectrometers - MRS and SOS”, L. Tang, C. Yan, and E. V. Hungerford, Nucl. Inst. and Meth., **A366**(1995)259
77. “Architecture of the MEGA Detector Trigger”, Y.K. Chen, *et. al.*, Nucl. Inst. and Meth., **A372**(1996)195
78. “K⁺ Elastic Scattering from C and ⁶Li at 715 MeV/c”, R. Michael, *et. al.*, Phys. Lett., **B382**(1996)29
79. “Electro-Production of Hypernuclei and Strange Nuclear Systems”, E. V. Hungerford, Genshi. Kenkyu, **41**(1997)21
80. “Elastic and Inelastic Scattering of K⁺ from ⁶Li and ¹²C”, R. E. Chrien, *et. al.*, Nucl. Phys., **A625**(1997)251
81. “Observation of a ⁴_ΣHe Bound State in the ⁴He(K⁻, π⁻) Reaction at 600 MeV/c”, T. Nagae, *et. al.*, Phys. Rev. Lett., **80**(1998)1605
82. “Longitudinal and Transverse Cross Sections in the ¹H(e,e’K⁺)Λ Reaction”, G. Niculescu, *et. al.*, Phys. Rev. Lett., **81**(1998)1805
83. “Strange Nuclear Physics - A Brief Status Report”, E. Hungerford and M. Furic, Fizika, **B8**(1999)21
84. “The Electroproduction of Light Hypernuclei”, E. Hungerford, Strangeness Nuclear Physics, **APCTP Workshop**(World Scientific)1999
85. “New Limit for the Family-Number Non-conserving Decay μ⁺ → e⁺γ”, M. L. Brooks, *et. al.*, Phys. Rev. Lett., **83**(1999)1521
86. “Stability in the Parallel Signal Transfer Mode from a Silicon Strip Focal Plane Detector”, K. Lan, *et. al.*, IEEE Nuclear Science Symposium, **46**(1999)1999.

87. “Sigmas in the Nucleus”, S. Bart, et al., Phys. Rev. Lett., **83**(1999)5238.
88. “Can One Measure a Hypernuclear Magnetic Moment?”, E. V. Hungerford, Hypernuclear Physics with Electromagnetic Probes, **Proceedings of the Jlab Workshop**(1999).
89. “The Weak Decay of S Shell Hypernuclei and the $\Delta I=1/2$ Rule”, E. V. Hungerford, Few Body Systems, **Springer-Verlag**(2000).
90. “Strangeness in Nuclei”, E. V. Hungerford, Strange Quarks in Hadrons, Nuclei and Nuclear Matter, **World Scientific**(2000)
91. “Electroproduction of Strange Nuclei”, E. V. Hungerford, Strangeness Nuclear Physics, **World Scientific**(2001)
92. “Electroproduction of Strangeness”, E. V. Hungerford, Nucl. Phys., **A691**(2001)21c.
93. “Characteristics of a Delay-Line Readout in a Cylindrical Drift Chamber System”, R.Barber, et.al., Nucl. Inst. And Meth., **A479**(2002)591
94. “The Construction and Operating Characteristics of a Cathode Strip Chamber System Designed to Measure the Reaction Vertices of a Stopping Kaon Beam”, M. Ahmed, et. al., Nucl. Inst. And Meth., **A469**(2001)95.
95. “Variational Method for Estimating the Effects of Continuously Varying Lenses in HIFU, Sonography and Sonography Based Cross-Correlation Methods”, Alex Alaniz, et al, J. Acoust. Soc. Am., **111**(2002)468
96. “Search for the Lepton-Family-number Nonconserving decay $\mu^+ \rightarrow e^+\gamma$ ”, M. Ahmed, et. al., Phys. Rev, **D65**(2002)112002
97. “A Silicon Strip Detector Used as a High Rate Focal Plane Sensor for Electrons in a Magnetic Spectrometer”, T. Miyoshi, et al, Nucl. Inst. and Meth., **A496**(2003)362
98. “Electron Distributions in Bremsstrahlung and Virtual Photon Production”, G. Xu and E. V. Hungerford, Nucl. Inst. and Meth, **A501**(2003)602
99. “A Study of Time Violation in Total Cross Section Measurements”, G. Xu and E. V. Hungerford, Nucl. Phys., **B649**(2003)327
100. “Study of ${}_{\Lambda}^{12}\text{B}$ Using the Stopped ${}^{12}\text{C}(\text{K-stopped}, \pi^0)$ Reaction”, M. Ahmed, et al, Phys. Rev C, **C68**(2003)064004
101. “High Resolution Spectroscopy of the ${}_{\Lambda}^{12}\text{B}$ Hypernucleus produced by the

- ($e,e'K^+$) Reaction”, T. Miyoshi, et al, Phys. Rev. Lett., **90**(2003)232502
102. “Separation of the Longitudinal and Transverse Cross Sections in the $p(e,e'K^+)\Lambda$ and $p(e,e'K^+)\Sigma$ Reactions”, R. M. Mohring, et al, Phys. Rev. C, **C67**(2003)055205
103. “A Symposium Perspective”, Ed Hungerford, World Scientific, **Electroproduction of Strangeness**(June, 2003)
104. “A Pipelined Front-end, Timing and Amplitude Digitizing System”, K. A. Lan, Y. Cui, and E. V. Hungerford, IEEE Transactions on Nuclear Science, **51** (2004 Issue5 pp2362-2367)
105. “A Front-end DAQ with Buffer and Flexible Triggers”, Y. Cui, K. A. Lan, and E. V. Hungerford, IEEE Transactions, **53** (June 2006, pp1356)
106. “Hypernuclear Spectroscopy using the ($e, e'K^+$) Reaction”, L. Yuan, et al, Phys. Rev. C, **73**(2006)044607
107. “A Universal SPICE Model for Signal Analysis of a Straw Tube Detector”, K. J. Lan, Y. Cui, and E. V. Hungerford, IEEE Trans. Nucl. Sci, **53** (June 2006, 1390)
108. “Static Forces on the Anode Wires in a Straw Chamber”, G. Xu and E. V. Hungerford, IEEE Trans. on Nuclear Science, **53**(2006 pp549)
109. “Performance of a prototype tracking detector with waveform sampling electronics”, Y. Cui, K. Lan, and, E. V. Hungerford, IEEE Trans. on Nuclear Science, **53** (Aug 2006 pp2281)
110. “A Conceptual Design of the readout system for the Neutrino Experiment at the SNS”, A. Lan and E. Hungerford, IEEE Trans. on Nuclear Science, **54**(October 2007 pp1816-1823)
111. “Re-evaluation of the reported observation of the ${}^4_{\lambda\Lambda}\text{H}$ hypernucleus”, S. D. Randaniya and E. V. Hungerford, Phys. Rev., **C76**(2007, 064308);
 “Re-evaluation of the reported observation of the ${}^4_{\lambda\Lambda}\text{H}$ hypernucleus”, S. D. Randaniya and E. V. Hungerford, Hypernuclear and Strange Particle Physics Springer-Verlag, (2007, 117)
112. “Hypernuclear Spectroscopy Program at Jlab Hall C”, O. Hashimoto, *et al*, Nucl.Phys., **A 804** (2008)125
113. “ K^+ Scattering from Nuclear Targets”, E.V. Hungerford, 18th International Conference on particles in Nuclei, **Elsevier 2009**(pp 486)

114. “New Measurement of the EMC effect ...”, J. Seely, *et al*, Phys. Rev. Lett., **103**(2009)202301

115. “COMET/Prism muon to electron conversion at J-Parc”, E. V. Hungerford, AIP Conference Proc., **1182**(2009)694

116. “Hypernuclear Spectroscopy at JLab Hall C”, O. Hashimoto, *et al*, Nucl. Phys., **A 835**(1010)121

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1. “Multiwire Proportional Counters,” APS Division Meeting of Particles and Fields, 1971.

2, “Measurements of Beam Phase Space Parameters,” Los Alamos Summer Study Session, 1972.

3. “Time Reversal Invariance in Nuclear β -Decay,” Rice University, 1972.

4. Paper selected for presentation at International Conference on High Energy Physics and Nuclear Structure, Los Alamos, 1975.

5. "Strange Things Are Happening," seminar, University of Houston, 1976.
6. "Comments on the Observation of a Magnetic Monopole," seminar, Oak Ridge National Laboratory, 1976.
7. Paper selected for presentation at Meson-Nuclear Physics Conference, 1976.
8. "Physics with a high Resolution K Beam-Spectrometer," Brookhaven National Laboratory 1979.
9. "An Improved Kaon Beam Line and Spectrometer for the AGS," Conference on High Energy Physics and Nuclear Structure, Kaon Workshop, 1979.
10. "K⁺ Elastic and Inelastic Scattering with the BNL Spectrometer," Conference on Hypernuclear Physics and Low Energy Kaon Interactions, Warsaw, Poland, 1979.
11. Panelist, Program Options in Intermediate Energy Physics, Los Alamos, 1979.
12. "Summary Report and Recommendations from Panel NC-4-Exotic Interactions," Chemistry Workshop, Los Alamos, LA-8835-C (1981).
13. "Recent Results in Kaon Scattering and Strangeness Exchange on Nuclei," Workshop on Nuclear Structure with Intermediate Energy Probes, Los Alamos, LA-8303-C (1980).
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20. " Σ -Hypernuclei", Hypernuclear Symposium, Tokyo, Japan, 1986.
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25. "Studies in Light Hypernuclei", TUNL, Duke University, 1989.
26. "Strange Things Are Happening", Oak Ridge National Laboratory, 1989.
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29. "Electromagnetic Production of Strangeness", Los Alamos Workshop, October 1990.
30. "Hypernuclear Physics", Seminar, University of Texas Austin, October 1990.
31. "Search for a S-1 Dibaryon", International Conference on High Energy Physics and Nuclear Structure, Tucson, AZ, May 1991.
32. "Hypernuclear Physics", CEBAF Workshop presentation, Newport News, VA, June 1991.
33. "Hypernuclear Physics at BNL and CEBAF", Conference on Hyperon and Hypernuclear Physics with Proton Beams, Bloomington, IN, November 1991.
34. "A=3 Σ hypernuclei", International Conference on Hypernuclear and Strange Particle Physics, Shimoda, Japan, December 1991.
35. "Strange things are Happening", Seminar, Texas A&M, February 1992.
36. "Hypernuclear Physics", Seminar, Trinity University, February 1992.
37. "Strange Things are Happening", Seminar, University of Houston, February 1992.
38. "Strange Physics at the AGS and CEBAF", Seminar, Sam Houston State University, February 1993

39. "What is So New About Hypernuclear Physics?", Seminar, Duke University, February, 1993
40. "Strangeness in Electroproduction", CEBAF Workshop/Retreat, May, 1993
41. "What is So New about Hypernuclear Physics?", Seminar, Vanderbilt University, October, 1993
42. "Where is MEGA? A Search for Lepton Family Violation", Seminar, Ohio University, February, 1994
43. "Positive Kaon Scattering and The Nuclear Medium", International Conference on Kaons and Hypernuclear Physics, Vancouver, Canada, July, 1994
44. "When does a Nucleon look Like a Nucleon ?" Texas Section APS, October, 1994
45. "MEGA - A Search for Lepton Number Violation in Rare Muon Decays" Nuclear and Particle Physics with Meson Beams, Tokyo, Japan, March 1995
46. "Up Date on Experiment E907" AGS Users Group Meeting, Brookhaven National Laboratory, June, 1995
47. "Hypernuclear Studies at CEBAF - Hype or New Physics ?" CEBAF Workshop on Open Issues in Strange Particle Physics, October, 1995
48. "Hypernuclear Physics — Hype-Or-New Physics?" Seminar, Indiana University, March, 1996
49. "A survey of Hypernuclear Physics" Seminar, University of Zagreb, Zagreb, Croatia, September, 1996
50. "The (K^-, π^0) Reaction: A new Window to Hypernuclear Physics", Nuclear and Particle Physics with High-Intensity Proton Accelerators, Tokyo, Dec., 1996
51. "The $(e, e'K^+)$ Reaction; High Resolution Hypernuclear Spectroscopy", Workshop on Hypernuclear Structure, Institute for Nuclear Study, University of Tokyo, Dec, 1996
52. "MEGA - an Update" The First Muon Collider Workshop, FNAL, November, 1997
53. "Hypernuclear Spectroscopy with NMS and Future Prospects", Sendai International Workshop on Hypernuclear Spectroscopy, Sendai, Japan, Jan. 1998

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56. "Hypernuclear Physics - Hype-or-new Physics?", Seminar, Univ. Texas. Arlington, Feb. 1998
57. "A Test of the $\Delta I=1/2$ Rule in the Non-mesonic Decay of S-shell Hypernuclei", International Workshop on Weak Decay of Hypernuclei, European Center for Theoretical Studies, Trento, Italy, July, 1998.
58. "Electromagnetic Production of Hypernuclei", Asian Conference of Strangeness in Nuclei, Seoul, Korea, February, 1999
59. "The $\Delta I=1/2$ Rule and S-shell Hypernuclei", AP Conference on Few-body Problems in Physics, Noda, Japan, Aug. 1999
60. "Can One Measure a Hypernuclear Magnetic Moment?", Conference on Hypernuclear Physics with Electromagnetic Probes, December 2000
61. "Weak Decay of S-Shell Hypernuclei", Duke University, February, 2000
62. "Strange Nuclear Physics", Carnegie-Mellon University, February, 2000
63. "Strange Nuclear Physics", Conference on Strangeness, Ohio University, May, 2000
64. "Electromagnetic Production of Strangeness" Gordon Conference, July, 2000
65. "Electromagnetic Production of Strangeness" 7th International Conference on Strange Particle Physics, Torino, Italy, October, 2000
66. "Strange Things are Happening", Division of Nuclear Physics Fall Meeting, Hawaii, October, 2001.
67. "Electromagnetic Production of Hypernuclei" Electromagnetic Interactions in Nuclear and Hadron Physics", Osaka, Japan, December, 2001.
68. "Invited Lecturer for one Week on New Techniques in Nuclear Physics and Instrumentation for Particle Detectors" Tsinghua University, Beijing, China, September, 2002

69. “A Symposium Perspective”, International Workshop in Strange Nuclear Physics-Summary talk, Sendi, Japan, June 16-18, 2003
70. “Reanalysis of a Double Hypernuclear Event”, The XXVIII Mazurian Lakes Conference, Mazurian Lakes, Poland, Aug 31-Sept 7, 2003
71. “Experimental Production of Hypernuclei”, Enrico Fermi Summer School-Lecturer, Varenna, Italy, June 22-July 2, 2004
72. “On Remembering Hoff Lu”, After dinner talk at conference banquet, Jiao Tong University, Shanghai, China, 26 July, 2004
73. “New Adventures in Nuclear Physics”, Jiao Tong University, Shanghai, China, July 27, 2004
74. “Neutrino Interactions at the SNS Accelerator”, NNR05 Conference on Double Beta Decay and Astro-physical Neutrinos, Harima Science City, Japan, Dec. 2, 2005.
75. “Hypernuclear Production”, Lecturer at the Indian Summer School at Prague, Prague, Czech Republic, Oct., 2006
76. “Conference Summary” International Conference on Hypernuclear and Strange particle Physics, Mainz, Germany, Oct, 2006
77. “The SNS neutrino program and the SNS Segmented Detector” Pretown Meeting for the Long Range Plan for Nuclear Science, Santa Fe, NM, December, 2006
78. “Hypernuclear Physics at Jlab” Long Range Planning Meeting for Nuclear Science, Chicago, Jan., 2007
79. “What’s so “nu” about Hypernuclear Physics”, Hall C Workshop, Jefferson National Laboratory, Newport News, VA, August, 2007
80. “The Prospect for Neutrino Physics at the SNS at the Oak Ridge National Laboratory”, UH Clear Lake, February, 2008
81. “ K^- Scattering from Nuclei”, 4th International Workshop on Nuclear and Particle Physics at J-PARC, MITO, Japan, March 2008
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85. “ K^+ Nuclear Scattering”, PANIC Conference, Eilat Israel, Nov 2008
86. “Mesonic Decay-A new look at an old technique” Strange Nuclear Physics Workshop, Jerusalem, Israel, Nov 2008
87. “Muon Conversion at JPARC” CIPANP Conference, San Diego Calif., May 2009
88. “Physics Lectures” Kyoto University, Kyoto, Japan , September 2009
89. “Neutrinos at the Spallation Neutron Source” Osaka University, September 2009