

Curriculum Vitae: Sabine Jeschonnek

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Research:

- **The Ohio State University** (10/2001 - present) Study of the reaction mechanism in $(e, e'p)$ reactions at high energies for light target nuclei; modeling quark-hadron duality and investigation of applications of duality in the valence quark region. Neutrino nucleus scattering. Networks and econophysics.
- **Jefferson Lab** (10/1998 - 09/2001) Development of precision predictions for $(e, e'p)$ reactions at high energies for arbitrary target nuclei; investigation of quark-hadron duality.
- **Massachusetts Institute of Technology, Center for Theoretical Physics** (01/1997 - 09/1998) Study of electron scattering from few-body systems at conditions relevant for CEBAF, Bates, and MAMI experiments.
- **Institute of Nuclear Physics, Research Center Jülich, Germany** (12/1991 - 12/1996) Performed calculations of final state interaction effects for electron scattering from polarized and unpolarized deuteron, 4He , and ${}^{12}C$.

Awards:

- 2003 "Outstanding Scholar Award" for meritorious achievement in research of the OSU Lima Campus
- Feodor Lynen Fellowship of the Alexander von Humboldt Foundation (Bonn, Germany), for 1997 and 1998.
- Heraeus graduate student promotion prize of the German Society of Scientists and Physicians (Gesellschaft deutscher Naturforscher und Ärzte, GDNÄ), a travel grant for the GDNÄ meeting in Regensburg, 1996.

Teaching:

- I currently teach various introductory Physics classes at OSU at Lima.

- Taught University Physics II at Old Dominion University, and recitation for Quantum Mechanics I, Bonn University, from 10/93 to 02/94.

Education and Positions held:

- **Professor**, The Ohio State University at Lima (10/2011 - present)
- **Associate Professor**, The Ohio State University at Lima (10/2006 - 9/2011)
- **Assistant Professor**, The Ohio State University at Lima (10/2001 - 9/2006)
- **Adjunct Assistant Professor**, Old Dominion University (01/2001 -05/2001)
- **Post Doctoral Fellow** in the Theory Group of Jefferson Lab. (10/1998 - 09/2001)
- **Visiting Scientist** at the Center for Theoretical Physics, MIT. (01/1997 - 09/1998)
- **Research Associate** at the Institute of Nuclear Physics, Research Center Jülich, Germany (96/02-96/12).
- **PhD student** with research assistantship at the Institute of Nuclear Physics, Research Center Jülich, Germany (93/02-96/01). Dr. rer. nat., Bonn University, with “Ausgezeichnet” (highest possible grade), thesis: *Final state interaction effects in quasielastic electron scattering*, advisors: N. N. Nikolaev and J. Speth.
- **Diploma student** with research assistantship at the Institute of Nuclear Physics, Research Center Jülich, Germany (91/12-93/01). Diplom-Physikerin, Bonn University, with “Auszeichnung” (highest possible grade), thesis: *A model for the consistent description of $(e, e'p)$ and $(e, e'n)$ reactions on ^{12}C* , advisors: S. Krewald and J. Speth.

Professional Service:

- Member of the Jefferson Lab User Group Board of Directors, June 2002 - June 2004.
- Member-at-Large, Ohio Section of the American Physical Society, April 2004 - March 2007. Member at Large of the American Physical Society’s Topical Group on Few-Body Physics, April 2005 - April 2008.
- Referee for Physical Review Letters, Physical Review C, Nuclear Physics A and Journal of Physics G. Proposal Reviewer for NSF, DoE, and FWO (Belgian Science Foundation).
- Chair of the Gordon Research Conference on Photonuclear Reactions in 2008, Vice Chair in 2006.

- Founder and Organizer of the "Women in Science and Engineering" group at OSU-Lima.
- Various outreach activities in the Lima area, including physics of sound, kinematics & dynamics lab field trips for sixth graders, Science Olympiad, girl scout events, STEM Steps for high school girls, Fowler Science Day, and science fair judging.

Funding:

- Co-Principal Investigator, National Science Foundation Grant No. PHY-1614460, "Research in Strong-Interaction Theory", together with R. Furnstahl, and R. Perry, 9/1/2016 - 8/31/2017, \$210,000 expected funding level.
- Co-Principal Investigator, National Science Foundation Grant No. PHY-1306250, "Research in Strong-Interaction Theory", together with R. Furnstahl, and R. Perry, 8/1/2014 - 8/31/2017, \$676,000 expected funding level.
- Co-Principal Investigator, National Science Foundation Grant No. PHY-1002478, "Research in Strong-Interaction Theory", together with R. Furnstahl, and R. Perry, 8/1/2010 - 8/31/2014, \$975,000.
- Principal Investigator, National Science Foundation Grant No. PHY-0820864, "2008 Photonuclear Reactions Gordon Research Conference", 6/20/2008 - 6/19/2009, \$5000.
- Co-Principal Investigator, National Science Foundation Grant No. PHY-0653312, "Research in Strong-Interaction Theory", together with R. Furnstahl, and R. Perry, 8/1/2007 - 7/31/2010, \$672,000. expected funding level and duration.
- Principal Investigator, National Science Foundation Grant No. PHY-0614444, "2006 Photonuclear Gordon Conference", 3/1/2006 - 2/28/2007, \$6300.
- Co-Principal Investigator, National Science Foundation Grant No. PHY-0354916, "Research in Strong-Interaction Theory", together with R. Furnstahl, B. Clark, R. Perry, 8/1/2004 - 7/31/2008, \$574,699.
- Principal Investigator, National Science Foundation Grant No. PHY-0139973, "Quark-Gluon and Hadronic Degrees of Freedom in Few-Body Systems", 9/1/2002 - 8/31/2004, \$84,000.

List of Publications

1. Final state interaction effects in exclusive and inclusive quasi-elastic electron scattering from ^{12}C , S. Jeschonnek, A. Szczurek, G. Co', and S. Krewald, Nucl.Phys.**A570**, 599 - 624 (1994).
2. Simple classification of final state interaction effects in $^4He(e, e'p)$ scattering, A.Bianconi, S.Jeschonnek, N.N.Nikolaev, and B.G.Zakharov, Phys.Lett.**B338**, 123 - 129 (1994).
3. Neutrino Scattering off Nuclei, S.Krewald, G.Garvey, E.Kolbe, K.Langanke, and S.Jeschonnek, Chinese Journal of Physics **32**, 1281 - 1289 (1994).
4. Final state interaction effects in $D(e, e'p)$ scattering, A.Bianconi, S.Jeschonnek, N.N.Nikolaev, and B.G.Zakharov, Phys.Lett.**B343**, 13 - 18 (1995).
5. Apparent Coulomb reacceleration of neutrons in electrodissociation of the deuteron, A.Bianconi, S.Jeschonnek, N.N.Nikolaev, and B.G.Zakharov, Phys.Rev.C **51**, 1584 - 1586 (1995).
6. Universal pattern in $(e, e'p)$ at large missing momenta: quasi-deuteron or diffractive final state interactions? A.Bianconi, S.Jeschonnek, N.N.Nikolaev, and B.G.Zakharov, Phys.Lett. **B363**, 217 - 222 (1995).
7. Quadrupole deformation of deuterons and final state interaction in $^2H(e, e'p)$ scattering on tensor polarized deuterons at GeV energies, A.Bianconi, S.Jeschonnek, N.N.Nikolaev, and B.G.Zakharov, Phys. Rev. C **53**, 576 - 587 (1996).
8. Do final state interactions obscure short range correlation effects in quasielastic $A(e, e'p)$ scattering? A.Bianconi, S.Jeschonnek, N.N.Nikolaev, and B.G.Zakharov, Nucl.Phys. **A608**, 437 - 468 (1996); Erratum Nucl.Phys. **A616**, 680 - 686 (1997).
9. Final state charge exchange interactions in the $^{12}C(e, e'p)$ reaction, S.Jeschonnek, S.Krewald, and A.Szczurek, Phys.Rev.C **54**, 2066 - 2068 (1996).
10. Relativistic effects in the electromagnetic current at GeV energies, S.Jeschonnek and T.W.Donnelly, Phys. Rev. C **57**, 2438 - 2452 (1998).
11. Spin-orbit final state interaction in the framework of Glauber theory for $(e, e'p)$ reactions, S. Jeschonnek and T.W.Donnelly, Phys. Rev. C **59**, 2676 - 2688 (1999).

12. Origin of relativistic effects in the reaction $^2H(e, e'p)n$ at GeV energies, S. Jeschonnek and J. W. Van Orden, Phys. Rev. C **62**, 044613, 14 pages, (2000).
13. Unfactorized versus factorized calculations for $^2H(e, e'p)$ reactions at GeV energies, S. Jeschonnek, Phys. Rev. C **63**, 034609, 7 pages, (2001).
14. Quark-hadron duality in structure functions, N. Isgur, S. Jeschonnek, W. Melnitchouk, and J. W. Van Orden, Phys. Rev. D **64**, 054005, 8 pages, (2001).
15. Quark-hadron duality in a relativistic, confining model, S. Jeschonnek and J. W. Van Orden, Phys. Rev. D. **65**, 094038, 18 pages, (2002).
16. The quasielastic $^2H(e, e'p)n$ reaction at high recoil momenta, P. Ulmer, S. Jeschonnek et al., Phys. Rev. Lett. **89** 062301, 4 pages, (2002).
17. Covariant description of inelastic electron deuteron scattering: Predictions of the relativistic impulse approximation, J. Adam, F. Gross, S. Jeschonnek, P. Ulmer and J. W. Van Orden, Phys. Rev. C **66**, 044003, 35 pages, (2002).
18. Energy-weighted Sum Rules, y-scaling and Duality, J. W. Van Orden and S. Jeschonnek, Eur. Phys. J. **A17**, 391 - 395 (2003).
19. S. Jeschonnek and J. W. Van Orden, “Modeling quark hadron duality for relativistic, confined fermions,” Phys. Rev. D **69**, 054006, 14 pages, (2004).
20. S. Jeschonnek and J. W. Van Orden, “Modeling quark-hadron duality in polarization observables,” Phys. Rev. D **71**, 054019, 18 pages, (2005).
21. J. W. Van Orden, S. Jeschonnek and J. Tjon, “Scaling of Dirac fermions and the WKB approximation,” Phys. Rev. D **72**, 054020, 11 pages, (2005).
22. B. Hu, S. Jeschonnek et al. (52 collaborators), Polarization transfer in the $^2H(\vec{e}, e'\vec{p})n$ reaction up to $Q^2 = 1.61$ (Gev/c) 2 , Phys. Rev. C **73**, 064004 (2006).
23. S. Jeschonnek and J. W. Van Orden, “A new calculation for D(e,e'p)n at GeV energies,” Phys. Rev. C **78**, 014007 (2008).
24. C. Elster, T. Lin, W. Gloeckle and S. Jeschonnek, “Faddeev and Glauber Calculations at Intermediate Energies in a Model for n+d Scattering,”, Phys. Rev. C **78**, 034002 (2008).
25. J. Lachniet, ..., S. Jeschonnek, ... *et al.* [CLAS Collaboration], “A Precise Measurement of the Neutron Magnetic Form Factor GMn in the Few-GeV2 Region,” Phys. Rev. Lett. **102**, 192001 (2009), 6 pages, [arXiv:0811.1716 [nucl-ex]].

26. S. Jeschonnek and J. W. Van Orden, “Target Polarization for ${}^2\vec{H}(e, e'p)n$ at GeV energies,” Phys. Rev. C **80**, 054001 (2009).
27. S. Jeschonnek and J. W. Van Orden, “Ejectile polarization for ${}^2H(e, e'\vec{p})n$ at GeV energies,” Phys. Rev. C **81**, 014008 (2010).
28. S. Jeschonnek and J. W. Van Orden, “Exclusive scattering from unpolarized and polarized deuteron,” Few Body Syst. **49**, 65 (2011).
29. W. P. Ford, S. Jeschonnek and J. W. Van Orden, “ ${}^2H(e, e'p)$ observables using a Regge model parameterization of final state interactions,” Phys. Rev. C **87**, 054006 (2013).
30. W. P. Ford, S. Jeschonnek and J. W. Van Orden, “Momentum distributions for ${}^2H(e, e'p)$,” Phys. Rev. C **90**, no. 6, 064006 (2014)
31. S. Jeschonnek and J. W. Van Orden, “Factorization Breaking of A_d^T for polarized deuteron targets in a relativistic framework,” arXiv:1606.04072 [nucl-th], Phys. Rev. C **95**, 044001 (2017).

Proceedings:

32. Final state interactions and NN correlations: are the latter measurable? A.Bianconi, S.Jeschonnek, N.N.Nikolaev, J.Speth and B.G.Zakharov, Proceedings of the Conference on Perspectives in Nuclear Physics at Intermediate Energies (Trieste, Italy, May 1995), World Scientific, Singapore, 349-366.
33. Final state interaction effects in $D(e, e'p)n$ and $\vec{D}(e, e'p)n$ reactions at CEBAF energies, A.Bianconi, S.Jeschonnek, N.N.Nikolaev, and B.G.Zakharov, Proceedings of the International Conference on Particles and Nuclei, PANIC 1996 (Williamsburg, Virginia, USA, May 1996), World Scientific, Singapore, 279-280.
34. Final state charge exchange interactions in the ${}^{12}C(e, e'p)$ reaction, S.Krewald, S.Jeschonnek, and A.Szczerba, Proceedings of the International Conference on Particles and Nuclei, PANIC 1996 (Williamsburg, Virginia, USA, May 1996), World Scientific, Singapore, 305-306.
35. Final state interactions and relativistic effects in exclusive electron scattering from the deuteron, S. Jeschonnek and T. W. Donnelly, Proceedings of the Second Workshop on Electronuclear Physics with Internal Targets and the BLAST Detector (MIT, Cambridge, Massachusetts, May 1998), World Scientific, Singapore, 79-95.

36. The fifth response function and spin-orbit final state interaction in the framework of Glauber theory for $(e, e'p)$ reactions, S. Jeschonnek and T. W. Donnelly, Prog. Part. Nucl. Phys. **44**, 59 - 60 (2000).
37. Quark-Hadron Duality, S. Jeschonnek and J. W. Van Orden, Proceedings of the 9th International Conference on the Structure of Baryons, BARYONS 2002, Newport News, VA, World Scientific, Singapore, 222 - 233.
38. Quark-hadron duality: a pedagogical introduction, M. A. DeWitt and S. Jeschonnek, 17th Annual Hampton University Graduate Studies at the Continuous Electron Beam Accelerator Facility (HUGS at CEBAF), June 2002, World Scientific, published in "Newport News 2001/2002, Quarks, hadrons, and nuclei", 130-167, March 2004.
39. Modeling Quark-Hadron Duality, S. Jeschonnek and J. W. Van Orden, Proceedings of the Second International Workshop on Neutrino-Nucleus Interactions in the few-GeV Region, December 12 - 15, 2002, University of California, Irvine, Nuclear Physics B, in press, see <http://nuint.ps.uci.edu/sessions.htm>.
40. S. Jeschonnek and J. W. Van Orden, "Polarization observables in H-2(e,e'p) at GeV energies," AIP Conf. Proc. **1374**, 163 (2011). 12th international conference on meson-nucleon physics and the structure of the nucleon (MENU 2010), Virginia, (USA), 31 May-4 June 2010 ISBN: 978-0-7354-0934-7

List of Talks

- 1) Consistent description of exclusive $^{12}C(e, e'X)$ reactions, 3/26/1993, german physical society (DPG) meeting, Mainz, Germany
- 2) Consistent description of $^{12}C(e, e'N)$ and $^{12}C(e, e')$ reactions, 8/4/1993, International Summerschool on Perspectives in the structure of hadronic systems, Dronten, The Netherlands
- 3) Struktur der Vektormesonen (Structure of vector mesons), 3/21/1994, group report, German Physical Society (DPG) meeting, Munich, Germany
- 4) Structure of vector mesons, 5/13/1994, Heisenberg-Landau-Workshop, Rostock, Germany
- 5) Final state interaction effects in $(e, e'N)$ and (e, e') reactions on ^{12}C , 6/30/1994, Dipartimento di Fisica Nucleare e Teorica, Universita' di Pavia, Italy

- 6) Final state interaction effects in quasielastic electron scattering, 3/14/1995, group report, German Physical Society (DPG) meeting, Cologne, Germany
- 7) Final state interaction effects in quasielastic electron scattering from light nuclei, 6/20/1995, seminar talk, Universita' di Pisa, Italy
- 8) Final state interaction effects in quasielastic electron scattering from light nuclei, 6/22/1995, seminar talk, Universita' di Perugia, Italy
- 9) Final state interaction effects in quasielastic electron scattering from light nuclei, 6/26/1995, seminar talk, INFN, Sezione di Sanita', Rome, Italy
- 10) Final state interaction effects in quasielastic electron scattering from light nuclei, 6/28/1995, seminar talk, Universita' di Lecce, Italy
- 11) Final state interactions in quasi-elastic electron scattering at CEBAF energies, 11/16/1995, NIKHEF seminar, Amsterdam, The Netherlands
- 12) Final state interactions and NN correlations: are the latter measurable?, 3/26/1996, group report, German Physical Society (DPG) meeting, Stuttgart, Germany
- 13) Hard Scattering on Nuclei and Fermi Motion, 4/29/1996, talk at the meeting of the COSY-Beirat, Jülich, Germany
- 14) Final state interaction effects in quasi-elastic electron scattering at CEBAF energies, 5/17/1996, Nuclear-Physics Seminar, George Washington University, Washington D.C., USA
- 15) Final state interaction effects in quasi-elastic electron scattering at CEBAF energies, 5/21/1996, seminar talk at the University of Maryland, College Park, Maryland, USA
- 16) Final state interaction effects in $D(e, e'p)n$ and $\vec{D}(e, e'p)n$ reactions at CEBAF energies, 5/26/1996, International Conference on Particles and Nuclei (PANIC) 1996, Williamsburg, Virginia, USA
- 17) Final state interaction effects in quasi-elastic electron scattering at TJNAF energies, 5/29/1996, seminar talk at the State University of New York, Stony Brook, New York, USA
- 18) Final state interaction effects in quasi-elastic electron scattering at CEBAF energies, 3/24/1997, Nuclear Theory Seminar at the Center for Theoretical Physics, MIT, Cambridge, Massachusetts, USA
- 19) Final state interaction and relativistic effects in the reaction $\vec{D}(\vec{e}, e'p)n$, 7/15/1997, talk

given at the workshop “Nuclear Structure Studies with Electrons” at the Institute for Nuclear Theory, Seattle, Washington, USA

- 20) Final state interaction and relativistic effects in the reaction $\vec{D}(\vec{e}, e'p)n$, 4/13/1998, seminar talk at the Jefferson Lab theory group, Jefferson Lab, Newport News, Virginia, USA
- 21) Relativistic Effects in the Electromagnetic Current at GeV Energies, 4/18/1998, APS/AAPT meeting in Columbus, Ohio, USA
- 22) Exclusive Electron Scattering from the Deuteron at CEBAF Energies, 4/27/1998, Nuclear Theory Seminar at the Center for Theoretical Physics, MIT, Cambridge, Massachusetts, USA
- 23) Investigating Short-Range Structures in the Nucleus with Electron Scattering, 5/14/1998, Physics Colloquium, Florida International University, Miami, Florida, USA
- 24) Final state interaction and relativistic effects in the reaction $D(e, e'p)n$, 5/28/1998, talk at the Second Workshop on Electronuclear Physics with Internal Targets and the BLAST Detector, MIT, Cambridge, Massachusetts, USA
- 25) Spin-orbit final state interaction in the framework of Glauber theory for $(e, e'p)$ reactions, 12/7/1998, Nuclear/Particle Theory Seminar, College of William & Mary, Williamsburg, Virginia, USA
- 26) Exclusive electron scattering from few-body systems at high energies: theoretical aspects, 12/14/1998, E89044 Organization & Planning Meeting, Jefferson Lab, Newport News, Virginia, USA
- 27) Investigating Short-Range Structures in the Nucleus with Electron Scattering, 2/4/1999, Physics Colloquium, University of Georgia, Athens, Georgia, USA
- 28) Spin-orbit final state interaction in the framework of Glauber theory for $(e, e'p)$ reactions, 2/5/1999, Theoretical Physics Seminar, University of Georgia, Athens, Georgia, USA
- 29) $D(e, e'p)n$ reactions at high energy and momentum transfers, 5/25/1999, Hall A Few-Body-Working Group Meeting, Jefferson Lab, Newport News, USA
- 30) $(e, e'p)$ reactions at GeV energies - searching for information on the nuclear ground state, 8/5/1999, Argonne Theory Institute on Advanced Calculational Methods in the Nuclear Many-Body Problem, Argonne National Laboratory, Illinois, USA
- 31) Investigating Short-Range Structures in the Nucleus with Electron Scattering, 9/9/1999, Special Colloquium, Institute of Nuclear Physics, Research Center Jülich, Germany

- 32) Spin-orbit final state interaction in the framework of Glauber theory for $(e, e'p)$ reactions, 9/19/1999, Workshop Talk at the International School on Nuclear Physics, “Electromagnetic Probes and the Structure of Hadrons and Nuclei”, Erice, Italy
- 33) Final State Interactions and Meson Exchange Currents in $(e, e'p)$ Reactions at GeV Energies, 10/22/99, DNP meeting, Pacific Grove, California, USA
- 34) Search for the Origin of Duality, 1/14/00, Workshop on Physics Opportunities with 12 GeV Electrons, Jefferson Lab, Newport News, Virginia, USA
- 35) Search for the Origin of Duality, 3/20/00, Nuclear Physics/High Energy Physcis Seminar, University of Virginia, Charlottesville, Virginia, USA
- 36) Search for the Origin of Duality, 4/17/00, Quark-Hadron Transition in Structure and Fragmentation Functions Workshop, Jefferson Lab, Newport News, USA
- 37) Quark-Hadron Duality, 6/9/00, Lectures at the HUGS Summerschool, Jefferson Lab, Newport News, USA
- 38) Origin of Relativistic Effects in the Reaction $D(e,e'p)n$ at GeV energies, 10/6/2000, DNP meeting, Williamsburg, Virginia, USA
- 39) Search for the Origin of Quark-Hadron Duality, 10/7/2000, DNP meeting, Williamsburg, Virginia, USA
- 40) Investigation of Quark-Hadron Duality in a Relativistic, Confining Model, 1/22/01, Nuclear Physics Seminar, Ohio State University, Columbus, Ohio, USA
- 41) Investigation of Quark-Hadron Duality in a Relativistic, Confining Model, 2/2/01, Nuclear Physics Seminar, University of Maryland, College Park, Maryland, USA
- 42) Investigation of Quark-Hadron Duality in a Relativistic, Confining Model, 2/20/01, Nuclear Physics Seminar, Indiana University Nuclear Theory Center, Bloomington, Indiana, USA
- 43) Local Duality, 3/21/01, Seminar given at the INT Program “Correlations in Nucleons and Nuclei”, Institute for Nuclear Theory, University of Washington, Seattle, Washington, USA
- 44) Quark-Hadron Duality, 4/17/01, Special Colloquium, Ohio State University, Columbus, Ohio, USA
- 45) Investigating Short-Range Structures in the Nucleus with Electron Scattering, 4/24/01, T16 Seminar, Los Alamos National Lab, Los Alamos, New Mexico, USA

- 46) Quark-Hadron Duality in a Relativistic, Confining Model, 5/14/01, Theory Seminar, Jefferson Lab, Newport News, Virginia, USA
- 47) Relativity in $(e, e'p)$ Reactions, 5/23/01, JLab Few-Body-Initiative meeting, Jefferson Lab, Newport News, Virginia, USA
- 48) Quark-Hadron Duality, 5/25/01, Colloquium, North Carolina Central University, Durham, North Carolina, USA
- 49) Quark-Hadron Duality, 10/6/01, Midwest Nuclear Theory Meeting, Argonne National Lab, Chicago, Illinois, USA
- 50) Quark-Hadron Duality, 3/7/02, Plenary Talk, 9th International Conference on the Structure of Baryons (Baryons 2002), Newport News, Virginia, USA
- 51) Quark-Hadron Duality, 4/5/02, Colloquium, University of Akron, Akron, Ohio, USA
- 52) Modelling Quark-Hadron Duality, 4/18/02, T16 seminar, Los Alamos National Lab, Los Alamos, New Mexico, USA
- 53) Quark-Hadron Duality, 4/21/02, Invited Talk, APS April Meeting, Albuquerque, New Mexico, USA
- 54) Quark-Hadron Duality, 6/10/02 - 6/17/02, Lecture Series at the 17th Annual Hampton University Graduate Studies (HUGS), Jefferson Lab, Newport News, Virginia, USA
- 55) Quark-Hadron Duality: Applications and Modelling, 7/29/02, MIT, Cambridge, Massachusetts, USA
- 56) Quark-Hadron Duality: Applications and Modelling, 8/21/02, Invited Talk, Gordon Research Conference on Photonuclear Reactions, Tilton, New Hampshire, USA
- 57) Modeling Quark Hadron Duality, 12/13/02, Invited Talk, Second International Workshop on Neutrino-Nucleus Interactions in the few-GeV Region, NUINT 2002, Irvine, California, USA
- 58) High Energy Electrodisintegration of the Deuteron, 3/27/03, Invited Talk, Deuteron Workshop, Florida International University, Miami, Florida, USA
- 59) Extracting the Neutron Magnetic Form Factor - Theoretical Aspects, 4/17/04, contributed talk, APS Ohio Section meeting, Ohio University, Athens, Ohio, USA

- 60) Modeling quark-hadron duality for relativistic, confined fermions, 4/27/04, Nuclear Seminar, Ohio University, Athens, Ohio, USA
- 61) Modeling quark-hadron duality for relativistic, confined fermions, 9/10/04, Nuclear Seminar, George Washington University, Washington D.C., USA
- 62) Modeling quark-hadron duality, 10/12/04, Colloquium, Duke University, Durham, North Carolina, USA
- 63) Modeling quark-hadron duality for relativistic, confined fermions, 10/29/04, DNP meeting, Chicago, Illinois, USA
- 64) Exploring the Building Blocks of Matter, 3/31/05, Colloquium, Ohio Northern University, Ada, Ohio, USA
- 65) Quark-Hadron Duality, 4/9/05, APS Ohio Section meeting, Dayton, Ohio, USA
- 66) Exploring the Deuteron at Short Range, 7/25/05, Invited Talk, Workshop on probing microscopic structure of the lightest nuclei in electron scattering at JLab energies and beyond, Trento, Italy
- 67) Electron Deuteron Scattering, 3/15/06, Colloquium, Ohio Northern University, Ada, Ohio, USA
- 68) Coincidence Electron Deuteron Scattering at GeV Energies, 4/1/06, APS Ohio Section Meeting, Wayne State University, Detroit, MI, USA
- 69) Investigation of the Reaction Mechanism for $D(e, e'p)n$, 10/20/06, Kim Egiyan Memorial Workshop, Newport News, VA, USA
- 70) Theoretical Investigation of the Asymmetry $A_{TL'}$ in Electron Scattering from the Deuteron, 10/27/06, DNP Fall Meeting, Nashville, TN, USA
- 71) The Deuteron Benchmarking Project, 6/18/07, Annual Jefferson Lab User Group Meeting, Newport News, VA, USA
- 72) Status of the Deuteron Benchmarking Project, 8/22/07, International Workshop “Dense and Cold Nuclear Matter and Hard Exclusive Processes”, Ghent, Belgium
- 73) The $D(e, e'p)$ Reaction at GeV energies, 10/12/07, Fall Meeting of the Division of Nuclear Physics of the American Physical Society, Newport News, VA, USA

- 74) The $D(e, e'p)$ Reaction at GeV energies, 4/25/09, Spring Meeting of the Ohio Region Section of the American Physical Society, Ada, OH, USA
- 75) Exclusive Electron Scattering from Unpolarized and Polarized Deuteron, 8/14/2009, Physics Seminar, Jefferson Lab, Newport News, VA, USA
- 76) Exclusive Electron Scattering from Unpolarized and Polarized Deuteron, 10/22/2009, Workshop on Relativistic Description of Two- and Three-Body Systems in Nuclear Physics, ECT* Trento, Italy
- 77) Exploring Light Nuclei with Electron Scattering, 1/17/2010, 3rd Annual Midwest Conference for Undergraduate Women in Physics, Columbus, OH, USA
- 78) Deuteron Break-up: Unpolarized and Polarized Observables, 2/4/2010, High Energy Nuclear Physics and QCD, Florida International University, Miami
- 79) Polarization Observables in $D(e, e'p)$ at GeV Energies, 6/1/2010, 12th International Conference on Meson-Nucleon Physics and the Structure of the Nucleon (MENU 2010), Williamsburg, VA, USA.
- 80) Deuteron Momentum Distributions, 10/30/2015, Division of Nuclear Physics (DNP) of the American Physical Society (APS) meeting, Santa Fe, NM, USA.
- 81) Factorization Breaking of A_d^T for polarized deuteron targets in a relativistic framework, 10/15/2016, Division of Nuclear Physics (DNP) of the American Physical Society (APS) meeting, Vancouver, BC, Canada.