

# WITOLD NAZAREWICZ

---

## ***Education:***

- Professor, Polish State title, 1994
- Dr. hab. in Physics, Warsaw University (WU), 1986; Professor, 1994
- Ph. D., Physics, Institute for Nuclear Research, Warsaw, 1981
- M. Sci. Engineer in Technical Physics and Applied Mathematics, Warsaw University of Technology (WUT), 1977

## ***Positions Held:***

### *Present*

- John A. Hannah Distinguished Professor in Physics, FRIB Chief Scientist, Dept. of Physics and Astronomy and FRIB, Michigan State University (2014-present)
- Professor, Warsaw University (1991-present)

### *Past*

- Teaching Assistant (1977-81), WUT
- Assistant Professor (1981-88), WUT
- Associate Professor (1988-91), WUT; (1990-91) WU
- Scientific Director, Holifield Radioactive Ion Beam Facility, ORNL (1999-2011)
- Professor (1995-2014), Department of Physics and Astronomy, University of Tennessee (UT); Faculty, Center for Interdisciplinary Research and Graduate Education, UT (2010-2014)
- Distinguished R&D Staff, Physics Division, Oak Ridge National Laboratory (2012-2013)
- Corporate Fellow, Physics Division, Oak Ridge National Laboratory (2013-2015)

### *Visiting Positions, past*

- Research Fellow (1982-84), Lund University, Lund, Sweden
- Research Fellow (1984-85), Niels Bohr Institute, Copenhagen, Denmark
- Visiting Professor (1985, 1986), JIHIR
- Visiting Professor (1986, 1991), Florida State University, Tallahassee, Florida
- Visiting Professor (1987), University of Cologne, Cologne, Germany
- Visiting Professor (1988), AFI, KTH Stockholm, Sweden
- Senior Lecturer (1988, 1989), University of Liverpool, Liverpool, UK
- Visiting Professor (1990), Lund University, Lund, Sweden
- Research Professor (1991-95), Joint Institute for Heavy Ion Research (JIHIR), Oak Ridge, Tennessee
- Visiting Professor (1992), Kyoto University, Kyoto, Japan
- Adjunct Professor (1993), Vanderbilt University, Nashville, Tennessee
- Visiting Professor (1995), University of Liverpool, Liverpool, UK
- Carnegie Professor (2008), University of the West of Scotland, Paisley, UK
- Distinguished SUPA Visiting Professor (2009), University of the West of Scotland, Paisley, UK
- Visiting Professor (2009-2012) University of the West of Scotland, Paisley, UK

## ***Awards, Honors:***

- 1982, 1987, 1989, Individual Scientific Award of the Polish Ministry of Education

- 1983, Individual Scientific Award of the Polish Nuclear Energy Commission
- 1986, Individual Scientific Award of the Polish Physical Society
- 1994, Fellow, American Physical Society
- 1999, Lockheed-Martin Technical Achievement Award
- 2000, UT-Battelle Technical Achievement Award
- 2001, College of Arts and Sciences Senior Research/Creative Achievement Award, UT
- 2002, Senior Faculty Research/Creative Achievement Award, UT
- 2002, Listed by ISI among the most highly cited in physics
- 2004, Fellow (FInstP), Institute of Physics, UK
- 2006, Carnegie Centenary Professor 2008, Scotland, UK
- 2009, Honorary degree of Doctor (DUniv) of the University of the West of Scotland, UK
- 2009, Fellow, American Association for the Advancement of Science
- 2012, Tom W. Bonner Prize, American Physical Society
- 2012, James McConnell Distinguished Professor in Physics, University of Tennessee
- 2012, Oak Ridge National Laboratory's Distinguished Scientist Award
- 2013, UT-Battelle Corporate Fellow, ORNL
- 2013-2018, Honorary Guest Professor of Peking University, Beijing, China
- 2015, Distinguished Fellow of the Kosciuszko Foundation Collegium of Eminent Scientists
- 2015, ORNL Corporate Fellow, Emeritus
- 2017, G.N. Flerov Prize, Joint Institute for Nuclear Research

### ***Offices, University Service:***

- Associate Dean, Faculty of Technical Physics & Applied Mathematics WUT (1987-90)
- Various university service at WUT and WU (1977-1990)
- Grant Coordinator, Polish Ministry for National Education (1989-90)
- Member of the JHIR Directorate (1999-2014)
- Member of the Long-Range Planning Committee of the Department of Physics UT (1996-2013), Chair (1999-2013)
- A&S Convocation Research Awards Committee, UT, 2002
- Physics Colloquium Chair, Department of Physics, UT Physics (2003-2005)
- Member of Editorial Board, Newfound Press, UT Libraries (2006-2009)
- Member of the CIE Faculty Advisory Committee, UT (2007-2009)
- Faculty Promotion, Tenure & Awards Committee, UT Physics (2006-2013)
- Member of the Scientific Advisory Committee, UT Provost (2012-2014)
- Reappointment, Promotion & Tenure Committee, MSU Physics & Astronomy (2014-present)
- Theory Search Committee, NSCL (2014-2015)
- Seminar Committee, NSCL, 2014-present
- Lattice QCD Search Committee, MSU Physics & Astronomy/FRIB (2015-2016)
- Graduate Recruiting and Advisory Committee, MSU Physics & Astronomy (2015-2016)
- FRIB Laboratory Advisory Committee (2015-present)
- FRIB Awards Subcommittee (2016-present, Chair)
- FRIB Nuclear Data Committee (2017-present)
- FRIB Seminars Committee (2016-present)

### ***Committees, service:***

#### *Present*

- 2002-present, Zdzisław Szymański Prize, Chairman of the Board, Warsaw University, Poland
- 2006-present, Board member of the Mazurian Lakes Conferences on Physics, Warsaw, Poland
- 2006-present, Associate Editor in Nuclear Physics, Reviews of Modern Physics
- 2009-present, Member, FRIB Science Advisory Committee (SAC).

- 2013-present, Member of the steering committee, China-U.S. Theory Institute for Physics with Exotic Nuclei
- 2013-present, Member, Nishina Center Advisory Council (NCAC), RIKEN, Japan
- 2015-present, Member, Nuclear Data Advisory Committee, BNL
- 2016-present, Co-chair, FRIB-CSC Fellowship Committee
- 2017-present, Member, GSI General Program Advisory Committee, GSI, Germany
- 2017-present, Member, GANIL Scientific Council, Caen, France
- 2017-present, Member, International Advisory Committee, Center for Frontiers in Nuclear Science (CFNS), Stony Brook University
- 2017-present, Council Member, NUCLEI SciDAC-4 project

*Past*

- 1990-94, PAC Member, EUROGAM, Strasbourg, France
- 1992-95, Member of the Nuclear Physics Board of EPS
- 1993, Member of the NSF Special Emphasis Panel on the Evaluation of the NSF Low-Energy Nuclear Physics Accelerator Laboratories
- 1994-96, Member of the VIVITRON PAC, Strasbourg, France
- 1994-96, Member of Editorial Board of the Physical Review C
- 1994-95, Convener, Town Meeting on *Nuclear Structure, Low-Energy Reactions and Radioactive Ion Beams* organized by the DOE/NSF Nuclear Science Advisory Committee
- 1994-1998, PAC Member, HRIBF, ORNL, Oak Ridge, Tennessee
- 1995, Member of the Long Range Plan Working Group organized by the DOE/NSF Nuclear Science Advisory Committee
- 1995-1998, PAC Member, NSCL, MSU, East Lansing, Michigan
- 1995-1998, Member of the National Advisory Committee, INT Seattle, Washington
- 1996-1999, PAC Member, ATLAS, ANL, Argonne, Illinois
- 1996-2000, PAC Member, the 88" Cyclotron, LBL, Berkeley, California
- 1996-2000, Member of the Committee on Nuclear Physics, Board of Physics and Astronomy, US National Research Council
- 1996-2004, Member of the University of Chicago Review Committee for the Physics Division at the Argonne National Laboratory
- 1997, NSF Nuclear Theory Proposal Review Panel
- 1998-2003, Member of the Steering Committee for the National Nuclear Physics Summer School, DNP, APS
- 1999, Member of the DOE panel to review the INT
- 1999-2000, DNP Nominating Committee, Vice-Chair (1999) and Chair (2000)
- 2000-2004, Member of the DOE/NSF Nuclear Science Advisory Committee
- 2000-2004, RIA Steering Group, Co-Chair and Chair
- 2001-2002, Member of the DNP Dissertation Award Committee
- 2001-2002, PAC Member, NSCL, MSU, East Lansing, Michigan
- 2001-2002, Member of the Long Range Plan Working Group organized by the DOE/NSF Nuclear Science Advisory Committee
- 2001-2005, Member of the Advisory Committee for TRIUMF, NRC Canada
- 2001-2006, Member, Editorial Board of Reports on Progress in Physics, IOP, United Kingdom
- 2002-2004, RIA Theory Working Group Steering Committee, Member
- 2002-2006, RIA Summer School Directorate, Member
- 2003, Member, NSAC Subcommittee (Mueller) on Nuclear Theory
- 2003, Member, NSAC Subcommittee (Geesaman) on Performance Measures
- 2004-2010, RIA/FRIB Users Organization Executive Committee, member and Chair (2004-2005)

- 2005, Member, NSAC Subcommittee (Tribble) on LRP Implementation
- 2005-2007, Member, Rare Isotope Science Assessment Committee of the National Research Council, NAS
- 2005-2009, EURISOL Design Study Group, Member of the International Advisory Panel
- 2006-2011, Co-Editor, Editorial Board of the European Physical Journal A
- 2006-2013, Member of the steering committee, Japan U.S. Theory Institute for Physics with Exotic Nuclei
- 2007-2008, Member, NSAC Long Range Plan Working Group
- 2007-2008, Member, DNP/APS Program Committee
- 2007-2008, Member, UNEDF Advisory Committee
- 2007-2010, Member of the Jefferson Lab Program Advisory Committee
- 2008-2012, Co-Director, UNEDF
- 2008-2009, Member, Search Committee for the FAIR Scientific Director, GSI, Darmstadt, Germany
- 2008-2009, Member, DNP/APS Fellowship Committee
- 2008-2009, Chair, Committee to generate a brochure for public distribution that describes recent scientific discoveries in nuclear physics, DOE, Office of Science.
- 2008-2010, Member, Advisory Committee of International Summer School on Subatomic Physics, Beijing, China
- 2009-2010, Member, Search Committee for the Director for the Jefferson Laboratory Theory Center.
- 2009-2011, Member, DNP/APS Executive Committee
- 2010-2014, Member of the steering committee, France U.S. Theory Institute for Physics with Exotic Nuclei
- 2010-2011, Member, International Science Review Committee, Saha Institute of Nuclear Physics, Kolkata, India
- 2010-2011, Member, KoRIA International Advisory Committee, Korea
- 2010-2012, Member, Committee on Assessment and Outlook for Nuclear Physics, Board of Physics and Astronomy, National Research Council, NAS.
- 2010-2014, Member of the ATLAS Program Advisory Committee, Argonne National Laboratory.
- 2011-2015, Member, Steering Committee, Training in Advanced Low Energy Nuclear Theory (TALENT) Initiative
- 2011-2014, Specialist Editor with Computer Physics Communications, Nuclear Physics
- 2012, Member, Topical Collaborations in Nuclear Theory review panel, DOE
- 2012-2013, Member, NSAC subcommittee charged to provide guidance on implementing the 2007 Long Range Plan
- 2012-2018, Member, JLab Science Council
- 2013, Member, Selection Panel for the 2013 JSA Outstanding Nuclear Physicist Award, JLab
- 2013, Member, Review panel, DOE Office of Science, 2013-14 Presidential Early Career Awards for Scientists and Engineers (PECASE)
- 2013, Member, Science & Technology DOE Review, ATLAS Facility, ANL
- 2014, Member, Early Career Award Panel, Office of Nuclear Physics, DOE
- 2014, Member, Nuclear Data Program Review, Office of Nuclear Physics, DOE
- 2014-2015, Member, Long Range Plan Working Group organized by the DOE/NSF Nuclear Science Advisory Committee.
- 2006-2017, Scientific Expert, Scientific Advisory Board for the Finnish Centre of Excellence in Nuclear and Accelerator Based Physics at the University of Jyväskylä
- 2012-2017, Scientific Director, NUCLEI SciDAC-3 project
- 2016-2017, Co-chair, Nuclear Structure Subpanel, Exascale Requirements Review for Nuclear Physics Panel, DOE
- 2013-2018, Executive Board, FRIB Theory Center/FRIB Theory Alliance (Director 2013-2017)

### ***Reviewer:***

- Program reviewer, U.S. Department of Energy
- Program reviewer, U.S. National Science Foundation
- Program reviewer, U.S. National Research Council
- Program reviewer, NSERC and STFC, UK
- Program reviewer, NSERC, Canada
- Grant reviewer, Max Planck Foundation, Germany
- Grant reviewer, The Israel Science Foundation
- Grant reviewer, J.S. Guggenheim Memorial Foundation
- Grant reviewer, Research Corporation, Tucson
- Grant reviewer, U.S. Civilian Research and Development Foundation
- Award reviewer, Foundation for Polish Science
- Referee, Physical Review, Physical Review Letters, Physics Letters, Nuclear Physics, Physics Today, Reviews of Modern Physics, Reports on Progress in Physics, Zeitschrift für Physik, Physica Scripta, Acta Physica Polonica, Journal of Physics, Europhysics Letters, European Physical Journal, Nature, Revista Mexicana de Fisica, Canadian J. Physics

### ***Organizations, membership:***

- Polish Physical Society
- European Physical Society (EPS)
- Fellow, American Physical Society (APS)
- Fellow, Institute of Physics (IOP)
- Fellow, American Association for the Advancement of Science (AAAS)

### ***Courses given:***

#### ***A. Regular (credit) courses:***

- Quantum optics, WUT (1981/82)
- Nuclear and Elementary Particle Physics, WUT (1986, 1988, 1989)
- Introduction to the Deformed Shell Model, WU (1985)
- Symmetries and Conservation Laws in Physics, WUT (1986-87, 1988-89)
- Physics I and II, WUT (1987-1989)
- Nuclear Structure, University of Tennessee (1992-93, 1994-95)
- Nuclear Structure, Vanderbilt University (1993)
- Theoretical Electrodynamics, University of Tennessee (1997-98)
- Nuclear Structure, WU (1998)
- Nuclear Structure, University of Tennessee (1997-98)
- Theoretical Electricity and Magnetism, University of Tennessee (1999-2000)
- Theoretical Electricity and Magnetism, University of Tennessee (2001-2002)
- Nuclear Physics, University of Tennessee (2002-2003)
- Theoretical Electricity and Magnetism, University of Tennessee (2004)
- Nuclear Physics, University of Tennessee (2004)
- Nuclear Physics, University of Tennessee (2006-2007)
- Nuclear Physics, University of Tennessee (2008-2009)
- Electricity and Magnetism, University of Tennessee (2009-2010, 2010-2011, 2011-2012)
- Thermal Physics, University of Tennessee (2012-2013)
- Survey of Nuclear Physics, Michigan State University (2015, 2016, 2017, 2018)

**B. Lectures at Schools and Guest lecture series:**

- Deformed Shell Model, Florida State University (1986, 1991)
- Deformed Shell Model, University of Cologne (1987)
- Collective Models For Deformed Nuclei, Postgraduate School on Nuclear Physics, University of York (1989)
- Nuclear Structure, Hands on Nuclear Structure Theory Workshop, JHIR, Oak Ridge (1991)
- Nuclear Structure at High Spin, 10th NUPP Summer School, Charles Sturt University, Riverina, Wagga-Wagga, NSW, Australia (1991)
- Nuclear Structure, Hands on Nuclear Structure Theory Workshop, NBI, Risø (1992)
- Nuclear Deformations, Postgraduate School on Nuclear Physics, University of St. Andrews (1993)
- Deformed Shell Model - Basic Ideas, Third Nordic Summer School in Nuclear Physics, Falsterbo, Sweden (1994)
- Physics of Exotic Nuclei. Ninth Annual NSF-DOE Summer School, Yale University, New Haven, Connecticut, USA (1997)
- Theoretical Nuclear Structure, Ninth National Postgraduate Nuclear Physics Summer, Nottingham, UK (1997)
- Nuclear Structure at the Limits, Frontiers in Nuclear Physics, 11th Summer School, Australian National University, Canberra, Australia (1998)
- Nuclear Structure, 9th Jyväskylä International Summer School, Jyväskylä, Finland (1999)
- Challenges of Nuclear Structure, IXth Jorge Andre Swieca Summer School, Sao Paulo (1999)
- Nuclear Collective Motion, VII Hispalensis International Summer School, Alcala de Guadaira, Spain (2000)
- Nuclear Structure at the Borderline, Eurosummer School on Exotic Beams, Leuven, Belgium (2000)
- Structure of Heavy Nuclei", Lectures series at ECT\* Doctoral Training Programme, ECT\*, Trento, Italy (2003)
- Hands-on Theory Program at the 3<sup>rd</sup> RIA Summer School, Argonne, IL (2004)
- Towards the Universal Nuclear Energy Density Functional, Lecture series (4) at the 3<sup>rd</sup> CNS International Summer School (CISS04), RIKEN, Wakoshi, Japan, 2004
- Hands-on Theory Program at the 5<sup>th</sup> RIA Summer School, Oak Ridge, TN (2006)
- Nuclear Physics, University of the West of Scotland (2008)
- Nuclei as open quantum many body systems (6 lectures), 20th Chris Engelbrecht Summer School in Theoretical Physics, Stellenbosch Institute for Advanced Study, Stellenbosch, Western Cape, South Africa, 19–28 January 2009
- Pairing Theory, University of the West of Scotland (July 2009)
- Nuclear Structure Theory, National Nuclear Physics Summer School, MSU, 28 June, 2009
- Open Quantum Systems (5 lectures), Winter School on Topics in Nuclear Many-Body Theory, from Lattice QCD to Nuclei, Gålå, Norway, 4-9 January, 2010.
- Nuclear Theory (introductory lecture), International Workshop/School on Nuclear Physics, Stellenbosch Institute for Advance Study, Stellenbosch, Western Cape, South Africa, May 16-27, 2011.
- Physics with Rare Isotope beams, an overview, Tenth Exotic Beam Summer School - EBSS2011, NSCL/MSU, July 25-30, 2011.
- Theoretical nuclear physics (4 lectures), The 16th UK Nuclear Physics Postgraduate Summer School, St Andrews, Scotland, UK, Sep. 3-6, 2011.
- Nuclear Structure (4 lectures), National Nuclear Physics Summer School 2014, College of William & Mary, Williamsburg, VA, June 12-13, 2014.
- Frontiers in Low Energy Nuclear Physics, EBSS2014: Exotic Beam Summer School, Oak Ridge, TN, July 28, 2014.
- Lectures on Nuclear Physics (4), University of the West of Scotland, July 2015.

### ***Graduate Students:***

- Wojciech Satuła (WUT, M.Sci., Ph.D. 1990)
- Piotr Magierski (WUT, M.Sci., Ph.D. 1995)
- Max Misu (UT, Ph.D. 1997)
- Jolanta Karny (WU, M.Sci. 1999; jointly with J. Dobaczewski)
- Mladen Matev (UT, Ph.D., 2003)
- Piotr Borycki (UT, Ph.D., 2006)
- Nikola Nikolov (UT, Ph.D., 2011)
- Georgios Papadimitriou (UT, Ph.D., 2011)
- Jordan McDonnell (UT, Ph.D., 2012)
- Erik Olsen (UT, Ph.D., 2014)
- Noah Birge (UT, M.Sci. 2014)
- Chunli Zhang (UT/MSU, Ph.D. Nov. 2016)
- Yuchen Cao (MSU, current)
- Zachary Matheson (MSU, current)
- Xingze Mao (MSU, current)
- Tong Li (MSU, current)
- Mengzhi Chen (MSU, current)

### ***Books Edited:***

- *Zbiór Zadan z Fizyki*, M. Marczewski and W. Nazarewicz, Wydawnictwa Politechniki Warszawskiej, 1980 (in Polish)
- *Nuclear Structure Models*, R. Bengtsson, J. Draayer, and W. Nazarewicz, World Scientific, Singapore, 1993, ISBN 981-02-1131-7
- *The Nuclear Many-Body Problem 2001*, W. Nazarewicz and D. Vretenar, Kluwer Academic Publishers, NATO Science Series II, Vol. 53. ISBN 1-4020-0462-1
- *The 4<sup>th</sup> International Conference on Exotic Nuclei and Atomic Masses*, C.J. Gross, W. Nazarewicz, and K.P. Rykaczewski, SIF and Springer-Verlag, Berlin Heidelberg 2005, ISBN-10 3-540-28441-9, ISBN-13 978-5-540-28441-3
- *Topical Issue on the Fifth International Conference on Exotic Nuclei and Atomic Masses ENAM'08*, edited by J. Äystö, W. Nazarewicz, M. Pfützner, and C. Signorini, Eur. Phys. J. A 42, No. 3, 2009.
- Focus Issue on *Enhancing the interaction between nuclear experiment and theory through information and statistics*, edited by D.G. Ireland and W. Nazarewicz, J. Phys. G 42, 030301 (2015).
- Special Issue on *Superheavy Elements*, edited by Ch. E. Düllmann, R.-D. Herzberg, W. Nazarewicz, and Y. Oganessian, Nucl. Phys. A 944, 1 (2015).

### ***Meetings (co)organized:***

1. Selected Topics in Nuclear Structure Workshop, Warsaw, October 1990 (with S. Cwiok and J. Dobaczewski)
2. Hands on Nuclear Structure Theory Workshop, JHIR, Oak Ridge, August 5-16, 1991 (with R. Bengtsson and R. Wyss)
3. Workshop on Nuclear Structure Models, JHIR, Oak Ridge, March 16-25, 1992 (with R. Bengtsson and J. Draayer)

4. Hands on Nuclear Structure Theory Workshop, NBI, Risø, June 15-27, 1992 (with B. Herskind, G. Hagemann and R. Wyss)
5. Identical Bands Workshop, ORNL, Oak Ridge, August 12, 1993 (with M. Guidry, M. Strayer and T. Werner)
6. High Spins and Novel Deformations, Institute for Nuclear Theory, Trento, Italy, Nov. 28-Dec. 18, 1993 (with I. Hamamoto and S. Åberg)
7. Nuclear Chemistry Gordon Conference, June 18-23, 1995, Chair
8. High Angular Momentum Phenomena Workshop, Piaski, Poland, Aug. 23-26, 1995 (vice-Chair)
9. Nuclear Structure Under Extreme Conditions, INT-95-3, Program at the INT (Seattle), October 2-December 15, 1995 (together with G. Bertsch and J. Draayer)
10. Mini-Symposium on "Proton-Neutron Correlations in  $N \sim Z$  Nuclei," 1997 APS/AAPT + CAM97 Spring Meeting, April 19, 1997, Organizer
11. Application of the continuum shell model to atomic nuclei, (Collaboration Meeting), ECT\* Trento, Italy, May 24-26 (with M. Ploszajczak and J. Dobaczewski)
12. RIA2000 meeting, Durham NC, July 24-26 (co-Chair, with R.F. Casten)
13. RIA Workshop, DNP Meeting, Williamsburg, VA, October 4, 2000 (co-Chair, with J. Schiffer)
14. ISOL'01 International Conference on Physics of Radioactive Nuclei, March 11-14, 2001, Oak Ridge, Tennessee (Chair)
15. Nuclear Many Body Problem 2001 Workshop, Brijuni, Pula, Croatia, June 2-5, 2001 (co-Chair, together with D. Vretenar)
16. Workshop on Very Heavy Nuclear Systems, ECT\*, Trento, Italy, July 9-14, 2001 (co-Chair, together with P. Butler)
17. Workshop on the Continuum Shell Model, ECT\*, Trento, Italy, April, 2002 (co-Chair, together with M. Ploszajczak and H. Sagawa).
18. First RIA Summer School, August 12-17, 2002 (Director), ORNL
19. Oak Ridge Mini Workshop on Heavy Nuclei, JIHIR, August 25-29, 2003, Organizer
20. Second RIA Summer School, August 4-9, 2003 (Co-director), MSU
21. International Workshop on Theoretical Description of the Nuclear Large Amplitude Collective Motion, JIHIR, Oak Ridge, March 17 - 19, 2004, Organizer
22. Third RIA Summer School, August 4-9, 2004 (Co-director), ANL
23. ENAM'04, The Fourth International Conference on Exotic Nuclei and Atomic Masses, September 12-16, 2004, Callaway Gardens, Pine Mountain, Georgia (Chair)
24. Oak Ridge Mini Workshop on Heavy Nuclei, JIHIR, September 21-23, 2004. Organizer
25. The Second International Workshop on the Theoretical Description of the Nuclear Large Amplitude Collective Motion, JIHIR, March 30 - 31, 2005, Organizer
26. RIA Day at DC, May 2005, Organizer
27. YITP Workshop on "New Developments in Nuclear Self-Consistent Mean-Field Theories", Yukawa Institute for Theoretical Physics, Kyoto, Japan, May 30 - June 1, 2005, co-organizer
28. Fourth RIA Summer School, July 31 - August 6, 2005 (Co-director), LBNL
29. Town Meeting of the RIA Users Organization in Detroit, September 10-11, 2005, Organizer
30. NuPAC Meeting, Oct 10-12, 2005, CERN, (Convener; Session Organizer)
31. Nuclear Structure Near the Limits of Stability, Program INT-05-3 Sep. 26 to Dec. 2, 2005, Seattle (with Bertsch, Engel, and Ormand)
32. Workshop on the Physics of Nucleons and Nuclei, SURA, Washington DC, Oct. 16-17, 2006, co-Chair
33. 2007 Joint JUSTIPEN-LACM Meeting, JIHIR, March 5-8, 2007 (with Papenbrock and Bertulani)
34. Workshop on "Many-body open quantum systems: From atomic nuclei to quantum dots," ECT\*, Trento, Italy, May 14-18, 2007 (co-Chair, together with M. Ploszajczak, I. Rotter, and K. Kato).
35. DFT-UNEDF Workshop, ORNL, Jan. 22, 2008 (with Schunck)
36. The 2nd LACM-EFES-JUSTIPEN Workshop, JIHIR, Jan. 23-25, 2008 (with Papenbrock, Dean, and Schunck)



37. One-day Workshop on the Structure of the Heaviest Elements, 12th March 2008, University of the West of Scotland, Paisley (with Herzberg and Smith)
38. One-day Workshop on Dripline nuclei as open quantum systems, 9th April 2008, University of the West of Scotland, Paisley, UK (with Freer, Chapman, and Smith)
39. Carnegie 2008 Conference on Nuclear Structure at the Extremes, May 8-10, 2008, University of the West of Scotland, Paisley, UK (with Chapman, and Smith)
40. UNEDF Annual Workshop, Pack Forest, June 23-26, 2008
41. Lead Radius Experiment (PREX) Workshop and Neutron Rich Matter in the Heavens and on Earth, Thomas Jefferson National Accelerator Facility, August 17-19, Newport News, VA (with Horowitz, de Jager, Lattimer, Piekarewicz)
42. JUSTIPEN-EFES-Hokkaido-UNEDF workshop, Onuma, Hokkaido, Japan, July 21-25, 2008 (with Otsuka)
43. 5th ANL/MSU/JINA/INT FRIB Workshop on Bulk Nuclear Properties, MSU, NSCL, East Lansing, MI, Nov. 19-22, 2008 (with Danielewicz, Brown,...)
44. The 3rd LACM-EFES-JUSTIPEN Workshop, JHIR, Feb. 23-25, 2009 (with Papenbrock, Dean, and Schunck)
45. Workshop on "Importance of continuum coupling for nuclei close to the drip-lines", SPhN Saclay, May 18-20, 2009 (with Michel, Duguet, and Ploszajczak)
46. UNEDF Annual Workshop, Pack Forest, WA, June 22-26, 2009 (program organizer)
47. One-day workshop on "Structure and astrophysics from nuclear reactions with exotic nuclei", University of the West of Scotland, Paisley, July 14, 2009 (with Orlandi, Chapman, Catford, Freer, Hadinia)
48. JUSTIPEN Symposium at DNP meeting, Waikoloa, Hawaii (Workshop on Physics of Exotic Nuclei), Oct 13, 2009 (with Balantekin)
49. One-Day Workshop on "Nuclear Structure and Reactions", JHIR, Oak Ridge, Nov. 16, 2009, organizer
50. Workshop on "HRIBF, Upgrade for the FRIB Era", November 13 - 14, 2009, Oak Ridge, TN, co-organizer
51. Fourth LACM-EFES-JUSTIPEN Workshop, JHIR, Oak Ridge, March 15-17, 2010, co-organizer
52. One-day workshop on Recent Results in Nuclear Physics, University of the West of Scotland, Paisley, June 9, 2010, co-organizer
53. Annual UNEDF Collaboration Meeting, June 21-25, 2010, MSU campus, East Lansing, MI (program organizer)
54. University of Aizu-JUSTIPEN-EFES Symposium on "Cutting-Edge Physics of Unstable Nuclei", November 10-13, 2010, University of Aizu (Aizu-Wakamatsu, Japan), co-organizer
55. Waltzing to the Nuclear Limits: A Symposium in Honor of Lee Riedinger, Hilton Head Island, South Carolina February 25-27, 2011, co-organizer.
56. Fifth LACM-EFES-JUSTIPEN Workshop, JHIR, Oak Ridge, March 15-17, 2011, co-organizer
57. International Workshop on Nuclear Physics, Stellenbosch Institute for Advance Study, Stellenbosch, South Africa, May 16-27, 2011 (with Barrett, co-PI)
58. Annual UNEDF Collaboration Meeting, June 19-24, 2011, MSU campus, East Lansing, MI (program organizer)
59. Topical Meeting on "Theory of Nuclear Fission", January 4-6, 2012, GANIL, Caen, France (with Goutte, Dubray, Schunck)
60. ECT\* Workshop on "The Nuclear Dipole Polarizability and its Impact on Nuclear Structure and Astrophysics", June 18-22, 2012, ECT\*, Trento, Italy (with Reinhard, Schwenk, and Von Neumann-Cosel)
61. Computational Nuclear Physics Meeting, July 23-24, 2012, SURF, Washington DC (with Burrows, Carlson, Edwards, Petreczky, Richards, Savage)
62. Workshop on "Predictive capabilities of nuclear theories", Institute of Nuclear Physics in Krakow, Poland, Aug. 25, 2012 (with A. Maj)

63. Sixth LACM-EFES-JUSTIPEN Workshop, JIHIR, Oak Ridge, Oct. 31-Nov. 2, 2012, co-organizer
64. Calcium Radius Experiment (CREX) Workshop at Jefferson Lab, Thomas Jefferson National Accelerator Facility, Newport News, VA, March 17-19, 2013, co-organizer.
65. Workshop on Information and Statistics in Nuclear Experiment and Theory, University of Glasgow, UK, Aug. 19-20, 2013, co-organizer
66. Quantitative Large Amplitude Shape Dynamics: fission and heavy ion fusion, Program INT-13-3 Sep. 23 to Nov. 15, 2013, Seattle (with Bertsch, Andreyev, and Loveland)
67. JUSTIPEN-JUSEIPEN Workshop, RIKEN Wako Campus, Japan, December 9-12, 2013 (co-organizer)
68. 2nd CUSTIPEN Workshop on "Advances in the Computational Nuclear Many-Body Problem", Peking University, Beijing, China, Dec. 13-20, 2013 (co-organizer).
69. Computational Nuclear Physics Meeting, July 14-15, 2014, SURA, Washington DC (co-organizer).
70. The First FRIB-China Workshop on Physics of Nuclei and Hadrons, May 28-30, 2015 NSCL, MSU (with Danielewicz and Yuan)
71. NUCLEI Collaboration meeting, June 10-13, 2015, NSCL, MSU (with Bogner and Hergert)
72. International workshop on Computational Advances in Nuclear and Hadron Physics (CANHP 2015), Sep. 21-Oct. 30, 2015, Yukawa Institute, Kyoto, Japan (co-organizer)
73. Information and statistics in nuclear experiment and theory ISNET-3, Nov. 16-20, 2015, ECT\*, Trento, Italy (with Ireland and Szpak)
74. Inaugural meeting of the FRIB Theory Alliance, March 31-April 1, 2016, MSU, East Lansing, MI (with Nunez)
75. First Tsukuba-CCS-RIKEN joint workshop on microscopic theories of nuclear structure and dynamics, Dec. 12-16, Japan (with Hinohara and Liang)
76. FRIB-Theory Alliance Annual Meeting, ANL, Aug. 3, 2017 (with Nunes)
77. 2<sup>nd</sup> China-US-RIB Collaboration Meeting on Physics of Nuclei and Hadrons, PKU, Beijing, Oct. 16-18, 2017 (with Pei, Xu)
78. Information and statistics in nuclear experiment and theory ISNET-5, York (UK), Nov. 6-9, 2017 (with Dobaczewski and Ireland)
79. Chengdu-CUSTIPEN Workshop on theory of rare nuclear decays, May 14-19, 2018 Chengdu, China (with Chunlin Bai and Furong Xu)

### ***Publications:***

Author or editor of 7 books/volumes

Author of 10 review papers/book chapters

Author of ~395 scientific papers in refereed journals

Author of ~175 contributions to major conferences published in proceedings

Author of 21 outreach/educational papers and communications

Co-author of 23 reports

*h*-index of 81, over 23,000 citations (Web of Science)

Google Scholar: <https://scholar.google.com/citations?user=tqsl4rkAAAAJ&hl=en>

### ***Talks:***

~275 invited talks at major international conferences

~290 invited seminars and colloquia