

## Invited Talks at Conferences and Workshops – Yoram Alhassid

*The Maximum Entropy Formalism Conference*

MIT, Cambridge, MA, May 2-4, 1978.

*The International Symposium on Continuum Spectra of Heavy Ion Reactions*

San Antonio, Texas, December 3-5, 1979.

*Workshop on Nuclear Dynamics*

Granlibakken, Tahoe City, California, March 17-21, 1980.

*The American Physical Society 1980 April Meeting*

Washington, D.C., April 28 - May 1, 1980.

*Winter Workshop on Many-Body and Statistical Methods in Nuclear Physics*

Weizmann Institute of Science, Israel, November 21-Dec. 17, 1981.

*The Nuclear Many-Body Workshop*

Institute for Theoretical Physics, University of California, Santa Barbara, California, August 1982.

*The Workshop on Boson Models in Nuclei*

Drexel University, Philadelphia, Pennsylvania, 1983.

*The Seventh Oaxtepec Symposium on Nuclear Physics*

Oaxtepec, Mexico, January 3-6, 1984.

*XIII International Colloquium on Group Theory Methods in Physics*

University of Maryland, College Park, Maryland, May 21-25, 1984.

*Conference on Structural Similarities Among Solvable Models in Physics*

Institute for Theoretical Physics, University of California, Santa Barbara, California, August 20-24, 1984.

*International Symposium on Nuclear Shell Models*

Philadelphia, Pennsylvania, October 31 - November 3, 1984.

*Conference on Frontier Problems in Nuclear and Mathematical Physics*

Mexico City, November 5-7, 1984.

*International Symposium on Symmetries in Science*

Carbondale, Illinois, March 24-27, 1986.

*First International Conference on the Physics of Phase Space*

College Park, Maryland, May 20-23, 1986.

*International Conference on Nuclear Structure, Reactions and Symmetries*

Dubrovnik, Yugoslavia, June 5-14, 1986.

*XV International Colloquium on Group Theory Methods in Physics*  
Drexel University, Philadelphia, Pennsylvania, October 1986.

*The Annual General Meeting of the American Physical Society*  
Crystal City, Virginia, April 20-23, 1987.

*The American Physical Society Meeting, Division of Atomic, Molecular and Optical Physics,*  
Cambridge, Massachusetts, May 18-20, 1987.

*Gordon Research Conference on the Dynamics of Simple Systems in Physics and Chemistry*  
New Hampshire, August 10-14, 1987.

*Texas A & M Symposium on Hot Nuclei*  
Texas A & M University, College Station, Texas, December 7-10, 1987.

*International Conference on High Spin Nuclear Structure and Novel Nuclear Shapes*  
Argonne National Laboratory, Argonne, Illinois, April 13-16, 1988.

*International Workshop on Algebraic Methods in Molecular Physics*  
Jerusalem, Israel, August 10-18, 1988.

*Workshop on the Interface between Nuclear Structure and Reactions*  
Los-Angeles, California, September 26-29, 1988.

*Yale-Weizmann Symposium in Condensed Matter Physics*  
Yale University, New Haven, Connecticut, October 24-26, 1988.

*The Gordon Research Conference on Nuclear Chemistry*  
New Hampshire, June 12-16, 1989.

*Conference on Dynamics of Small Systems*  
Institute for Theoretical Physics, Santa Barbara, California, June 26-29, 1989.

*Gammasphere Study Group*  
Lawrence Berkeley Laboratory, University of California, Berkeley, California, July 1989.

*Workshop on Order and Chaos*  
Lawrence Berkeley Laboratory, Berkeley, California, July 17-21, 1989.

*The American Physical Society Meeting, Division of Nuclear Physics*  
Asilomar, California, October 12-15, 1989.

*Workshop on Nuclear Structure in the Era of New Spectroscopy*  
The Niels Bohr Institute, Copenhagen, Denmark, November 1989.

*Symposium on Nuclear Physics with Large Arrays*

The Niels Bohr Institute, Copenhagen, Denmark, November 16-24, 1989.

*International Conference on High Spin Physics and  $\gamma$ -soft Nuclei*  
Pittsburgh, Pennsylvania, September 17-21, 1990.

*The Fifth Yukawa Memorial Conference*  
Japan, October 25-26, 1990.

*Yukawa Institute Workshop: New Trends in Nuclear Collective Dynamics*  
Kyoto, Japan, October 29-November 1, 1990.

*Symposium on Future Directions in Nuclear Physics*  
Strasbourg, France, March 1991.

*The Gordon Research Conference on Nuclear Chemistry*  
New London, New Hampshire, June 24-28, 1991.

*Conference on Giant Resonances and Related Phenomena,*  
Notre Dame, Illinois, October 21-23, 1991.

*Meeting of the American Mathematical Society*  
Springfield, Missouri, March 1992.

*International Conference on Group Theoretical Methods in Physics*  
Salamanca, Spain, June 28-July 4, 1992.

*International Nuclear Physics Conference*  
Wiesbaden, Germany, July 27-August 1, 1992.

*International Symposium on Symmetries in Science VII*  
Japan, August 28-September 1, 1992.

*Workshop on Algebraic Methods in Physics*  
University of Pennsylvania, Philadelphia, Pennsylvania, January 23, 1993.

*International Conference on Giant Resonances*  
Gull Lake, Michigan, August 1993.

*Workshop on Large Amplitude Collective Motion*  
Institute for Nuclear Theory, University of Washington, Seattle, Washington, October 4  
– 14, 1993.

*International Conference on Monte Carlo Methods in Nuclear Structure*  
European Center for Theoretical Studies in Nuclear Physics and Related Areas (*ECT\**),  
Trento, Italy, March 14 - 25, 1994.

*International Conference on the occasion of the 20th Anniversary of the Interacting Boson Model*

Padova, Italy, June 13 - 18, 1994.

*Conference on Applications of Chaos in Many-Body Quantum Physics*  
Institute for Nuclear Theory, Seattle, Washington, June 20 - 26, 1994.

*Applications of Chaos in Nuclear and Atomic Physics,*  
GANIL, France, September 8 - 9, 1994.

*Euroball User Meeting*  
Strasbourg, France, September 19-23, 1994

*XXIV Mazurian Lake School of Physics*  
Piaski, Poland, August 23 - September 2, 1995.

*Workshop in Nuclear Structure under Extreme Conditions*  
Institute for Nuclear Theory, University of Washington, Seattle, October 8-18, 1995.

*International Conference on Algebraic Approaches to Quantum Dynamics*  
The Fields Institute, Toronto, May 7-12, 1996.

*Quantum Chaos and Mesoscopic Systems*  
Institute of Theoretical Physics, Santa Barbara, California , May - June 1996.

*3rd International Summer School "Let's Face Chaos through Nonlinear Dynamics,"*  
Maribor, Slovenia, June 24 -July 5, 1996.

*International Workshop on Mesoscopic Physics*  
Max Planck Institute for Complex Systems, Dresden, Germany, August - September, 1996.

*European Research Conference in Nuclear Physics*  
Crete, Greece, September 27 - October 3, 1996.

*American Physical Society 1996 Meeting, Division of Nuclear Physics*  
MIT, Boston, October 2 - 5, 1996.

*Workshop in Tunneling in Complex Systems*  
Institute for Nuclear Theory, University of Washington, Seattle, May 1997.

*International Symposium on Atomic Nuclei and Metallic Clusters*  
Prague, Czech Republic, September 1 - 5, 1997 (*opening talk*).

*Workshop on Numerical Methods for Strongly Interacting Quantum Systems*  
Institute for Nuclear Theory, University of Washington, Seattle, Washington, October 1997.

*International Conference on Strong Interactions in Quantum Dots*  
Israel, October 25 -30, 1997.

*International Conference on the Nuclear Shell Model*

Royal Swedish Academy of Sciences, Stockholm, Sweden, October 29 - November 1, 1997.

*International Conference on Giant Resonances*

Varenna, Como Lake, Italy, May 11 - 16, 1998.

*Highlights of Modern Nuclear Structure*

S. Agata, Italy, May 18 - 22, 1998.

*XXII International Conference on Condensed Matter Theories*

Nashville, Tennessee, June 1 - 7, 1998

*Quantum Chaos in Mesoscopic Systems*

Aspen Center for Physics, August 10 -29, 1998.

*Centennial Meeting of the American Physical Society*

invited session of the condensed matter physics division, Atlanta, Georgia, March 20-26, 1999.

*Advances in Shell Model Studies in Nuclei Far from Stability*

ECT\*, Trento, Italy, June 14 - 25, 1999.

*International Conference on Non-Hermiticity and Disorder*

International Center for Theoretical Physics, Trieste, August 23 - 26, 1999.

*The Tenth International Conference on Recent Progress in Many-Body Theories*

Seattle, Washington, September 10 -15, 1999 (keynote talk in nuclear physics).

*Conference on Frontiers in Fermion Quantum Monte Carlo Methods*

Institute for Nuclear Theory, University of Washington, Seattle, September 22-26, 1999.

*Symposium on Nuclear Level Densities*

Lawrence Livermore National Laboratory, October 18-19, 1999.

*Complex Systems and Quantum Chaos*

Seattle, Washington, March 13 - 16, 2000.

*Interaction and Chaos in Mesoscopic Systems*

Minneapolis, May 10 - 12, 2000.

*Structure of the Nucleus at the Dawn of the Century*

Bologna, Italy, May 29 - June 3, 2000.

*Nobel Symposium 2000*

Bäckaskog Castle, Sweden, June 13 - 17, 2000.

*Nuclei and Nucleons*

International Symposium on the occasion of the 60th birthday of A. Richter

Darmstadt, Germany, October 11-13, 2000.

*Challenges of Nuclear Structure*

Maiori, Italy, May 27 - 31, 2001.

*The Nuclear Many-Body Problem 2001*

NATO Advanced Research Workshop

Brijuni, June 2 - 5, 2001.

*Quantum Chaos: Theory and Applications*

Cocoyoc, Mexico, July 8 - 13, 2001.

*Nanoscience*

Institute of Theoretical Physics, University of California, Santa Barbara, California, August 6 - 27, 2001; November 23 - December 14, 2001.

*Nucleosynthesis*

Institute for Nuclear Theory, University of Washington, Seattle, Washington, May 22, 2002.

*Eleventh International Symposium on Capture Gamma-Ray Spectroscopy and Related Topics*

Prague, Czech Republic, September 2-6, 2002.

*Symmetries in Nuclear Structure*

Ettore Majorana Centre, Erice, Sicily, March 23-29, 2003.

*Nuclear Structure Physics Near the Coulomb Barrier: into the 21st Century*

Yale University, New Haven, June 12-14, 2003.

*Quantum Transport and Correlations in Mesoscopic Systems and QHE*

Max Planck Institute for Complex Systems, Dresden, Germany, August 11 - August 22, 2003.

*RIA Theory Workshop*

Westward Look Resort, Tucson, Arizona, November 1-3, 2003.

*NATO Advanced Research Workshop on Nanoscience*

St. Petersburg, June 28- July 2, 2004.

*Quantum Chaos in the 21st Century*

Cuernavaca, Mexico, August 16 -21, 2004.

*Perspectives on Random Matrix Theory*

Mexico, August 2004.

*International Conference on Nuclear Data for Science and Technology (ND2004)*

Santa Fe, New Mexico, September 26 - October 1, 2004.

*New Descriptions of Transitional Nuclei*

Lawrence Berkeley National Laboratory, Berkeley, California, October 21 – 23, 2004.

*Nuclei and Mesoscopic Physics*

National Superconducting Cyclotron Laboratory, Michigan State University, East Lansing, Michigan, October 23 – 26, 2004.

*Nuclear Structure Physics Near the Coulomb Barrier: into the 21st Century*

Yale University, New Haven, Connecticut, June 23 – 25, 2005.

*Fundamentals of Nanosystems*

St. Petersburg, June 25– July 1, 2005.

*Recent Developments in Mean-Field Methods and in the Treatment of Pairing*

Saclay, France, June 28 – July 8, 2005.

*Correlations in Quantum Systems: Quantum Dots, Quantum Gases and Nuclei*

Palma de Mallorca, Spain, September 26 – 30, 2005.

*SciDAC Meeting on Nuclear Structure and Low-Energy Reactions*

Argonne National Laboratory, December 12 – 13, 2005.

*SciDAC Meeting on Nuclear Structure and Low-Energy Reactions*

Argonne National Laboratory, January 30 – 31, 2006.

*Second International Conference on Collective Motion in Nuclei Under Extreme Conditions (COMEX2)*, Sankt Goar, Germany, June 20 – 23, 2006.

*Interactions, Coherence and Control in Mesoscopic Systems*

Aspen Center for Physics, Aspen, Colorado, July 9 – 28, 2006.

*SciDAC Meeting on Universal Energy Density Functional*

University of Washington, Seattle, August 2 – 5, 2006.

*Dynamics and Relaxation in Complex Quantum and Classical Systems and Nanostructures*

Max Planck Institute for Complex Systems, Dresden, Germany, August 2006.\*

*Experiment-Theory Intersections in Modern Nuclear Structure*

ECT\*, the European Center for Theoretical Studies in Nuclear Physics and Related Areas, Trento, Italy, April 23 – 27, 2007.

*Level Density and Gamma Strength in the Continuum*

Oslo, May 21 – 24, 2007.

*Nuclear Structure Physics Near the Coulomb Barrier: into the 21st Century*

Yale University, New Haven, Connecticut, May 31 – June 2, 2007.

*Universal Nuclear Energy Density Functional*

SciDAC Annual Workshop, Pack Forest, Washington, August 13 – 16, 2007.

*Nuclei and Mesoscopic Physics*

National Superconducting Cyclotron Laboratory, Michigan State University, East Lansing, Michigan, October 20 – 22, 2007.

*CNR\* 2007, Compound Nuclear Reactions and related Topics*

Yosemite National Park, California, October 22 – 26, 2007.

*Modern Aspects in Nuclear Structure and Reactions, International Workshop XXXVI on Gross Properties of Nuclei and Nuclear Excitations*

Hirschegg, Kleinwalsertal, Austria, January 13 – 19, 2008.\*

*Interaction and Interference in Nanoscopic Transport*

Max Planck Institute for Complex Systems, Dresden, Germany, February 18–23, 2008.

*Chaos and Collectivity in Many-Body Systems*

Max Planck Institute for Complex Systems, Dresden, Germany, March 5–8, 2008.\*

*Cross-fertilization between shell-model and energy density functional methods*

Saclay, France, April 7 – 10, 2008.\*

*Statistical Nuclear Physics and Applications in Astrophysics and Technology*

Ohio University, Athens, Ohio, July 7–11, 2008.

*Recent Advances in Nonlinear Dynamics and complex System Physics: from Natural to Social Sciences and Security*

NATO Advanced Research Workshop, Tashkent, Uzbekistan, October 6–11, 2008.\*

*Mesoscopic System Symposium*

Wesleyan University, Middletown, Connecticut, October 26, 2008.

*Penetrating Physics by Random Matrices*

Cuernavaca, Mexico, March 2 – 6, 2009.

*The Science of Complexity*

Eilat, Israel, March 29 – April 1, 2009.

*Future Prospects of Nuclear Structure Physics*

Arctic FIDIPRO-EFES Workshop, Saariselkä, Finland, April 20–24, 2009.\*

*Level Density and Gamma Strength in the Continuum*

Oslo, Norway, May 11 – 15, 2009.

*INT program From Femtoscience to Nanoscience: Nuclei, Quantum Dots, and Nanostructures*, Institute of Nuclear Theory, Seattle, Washington, July 20 – August 28, 2009.

*Tenth International Spring Seminar on Nuclear Physics*



Vietri sul Mare, Italy, May 21 – 25, 2010.

*2010 summer program*

Aspen Center for Physics, July 11 – 25, 2010.

*The Science of Nanostructures: New Frontiers in the Physics of Quantum Dots*, Chernogolovka, Russia, September 20–24, 2010.\*

*Third Workshop on Nuclei and Mesoscopic Physics*

Michigan State University, March 5–9, 2011.

*INT Program on Fermions from Cold Atoms to Neutron Stars: Benchmarking the Many-Body Problem*

Institute for Nuclear Theory, University of Washington, Seattle, Washington, March 14 – May 20, 2011.\*

*Third Workshop on Nuclear Level Density and Gamma Strength*

Oslo, Norway, May 23–27, 2011

*2011 International Nuclear Chemistry Gordon Conference on Nuclear Reactions*

Colby-Sawyer College, New London, New Hampshire, June 12–17, 2011.

*Advanced Many-Body and Statistical Methods in Multiscale Mesoscopic Systems*

Constanta, Romania, June 27 – July 2, 2011.\*

*Frontiers of Quantum and Mesoscopic Thermodynamics 2011 (FQMT'11)*

Prague, Czech Republic, July 25 – 30, 2011.

*Third International Workshop on Compound Nuclear Reactions and Related Topics (CNR\*11)*

Prague, Czech Republic, September 19-23, 2011.

*Beauty in Physics: Theory and Experiment*

Cocoyoc, Mexico, May 14–18, 2012.

*Horizons of Innovative Theories, Experiments, and Supercomputing in Nuclear Physics*

New Orleans, Louisiana, June 4–7, 2012.

*Symposium to honor the 70th birthdate of G.F. Bertsch*

Institute for Nuclear Theory, University of Washington, Seattle, Washington, September 7-9, 2012.

*The Science of Nanostructures: New Frontiers in the Physics of Quantum Dots*

Chernogolovka, Russia, September 10–14, 2012.\*

*International Conference on Nuclear Data for Science and Technology (ND2013)*

New York City, New York, March 4–8, 2013.

*Fourth Workshop on Nuclear Level Density and Gamma Strength*

Oslo, Norway, May 27–31, 2013.

*Frontiers of Quantum and Mesoscopic Thermodynamics 2013 (FQMT'13)*  
Prague, Czech Republic, July 29 – August 3, 2013.\*

*Workshops on Optical Lattice Emulators and Beyond and Multi-Component Many-Body Systems*  
Aspen Center for Physics, Aspen, Colorado, August 13 – 28, 2013.

*Fourth International Workshop on Compound Nuclear Reactions and Related Topics (CNR\*13)*  
Maresias, Brazil, October 7– 11, 2013.

*Fourth Workshop on Nuclei and Mesoscopic Physics*  
Michigan State University, May 5–9, 2014.

*Eleventh International Spring Seminar on Nuclear Physics*  
Ischia, Italy, May 12 – 16, 2014.

*Conference on Computational Challenges in Nuclear and Many-Body Physics*  
Nordita, Stockholm, Sep. 15 – 19, 2014 (conference summary talk).

*Workshop on Computational Challenges in Nuclear and Many-Body Physics*  
Nordita, Stockholm, September 22 – October 10, 2014.

*Perspectives on Nuclear Data for the Next Decade*  
Bruyeres-le-Chatel, France, October 14 –17, 2014.

*Quantum Chaos: Fundamentals and Applications*  
School of Advanced Sciences of Luchon, France, March 14 – 21, 2015.\*

*Fifth Workshop on Nuclear Level Density and Gamma Strength*  
Oslo, Norway, May 18–22, 2015.

*14th International Conference on Nuclear Reaction Mechanisms*  
Varenna, Italy, June 15–19, 2015.

*Frontiers of Quantum and Mesoscopic Thermodynamics (FQMT'15)*  
Prague, Czech Republic, July 27 – August 1, 2015.

*Fifth International Workshop on Compound Nuclear Reactions and Related Topics (CNR\*15)*  
Tokyo, Japan, October 19–23, 2015.

*Light-Matter Interaction and Quantum Control in Many-Body Systems*  
Aspen Center for Physics, Aspen, Colorado, May 29 – June 18, 2016.

*Statistical Properties of Nuclei*  
ECT\*, Trento, Italy, July 11-15, 2016.

*Frontiers in Nuclear Physics*

KITP, UCSB, Santa Barbara, California, October 16 – 30, 2016.

*INT program: Toward Predictive Theories of Nuclear Reactions Across the Isotopic Charts*  
Institute of Nuclear Theory, Seattle, Washington, February 27 – March 31, 2017.

*SIGN 2017: International Workshop on the Sign Problem in QCD and Beyond*  
Institute of Nuclear Theory, Seattle, Washington, March 20 – 24, 2017.

*Twelfth International Spring Seminar on Nuclear Physics*  
Ischia, Italy, May 15 – 19, 2017.

*INT program: Neutrinoless Double-beta Decay*  
Institute of Nuclear Theory, Seattle, Washington, June 13 – July 14, 2017 (talk given by M. Mustonen).

*Frontiers of Quantum and Mesoscopic Thermodynamics (FQMT'17)*  
Prague, Czech Republic, July 9–15, 2017.

*Nuclear Structure and Reaction Theories: Building Together for the Future*  
GANIL, France, October 9 – 13, 2017 (talk given by P. Fanto).

*15th Varenna Conference on Nuclear Reaction Mechanisms*  
Varenna, Italy, June 11–15, 2018.

*Exploring Nuclear Physics with Ultracold Atoms*  
ECT\*, Trento, Italy, June 18 – 22, 2018 (talk given by S. Jensen).

*INT program: Advances in Monte Carlo Techniques for Many-Body Quantum Systems*  
Institute of Nuclear Theory, Seattle, Washington, July 30 – Aug. 11, 2018.

*Sixth International Workshop on Compound Nuclear Reactions and Related Topics (CNR\*18)*  
LBNL, Berkeley, California, September 24 – 28, 2018 (keynote talk).

*Seventh Oslo Workshop on Nuclear Level Density and Gamma Strength*  
University of Oslo, Oslo, Norway, May 27 – 31, 2019.

*Frontiers of Quantum and Mesoscopic Thermodynamics (FQMT'19)*  
Prague, Czech Republic, July 14 – 20, 2019.

*Applications of Random-Matrix Theory to Many-Body Physics*  
Simons Center for Geometry and Physics, Stony Brook, USA, September 16 – 20, 2019.

*Frontiers of Quantum and Mesoscopic Thermodynamics (FQMT'21)*  
Prague, Czech Republic, virtual, July 18 – 24, 2021.

*Eighth workshop on Level Density and Gamma Strength*  
University of Oslo, Norway, May 9–13, 2022.\*

*Thirteen International Spring Seminar on Nuclear Physics*

Ischia, Italy, May 15–20, 2022.\*

*Sixth Conference on Nuclei and Mesoscopic Physics (NMP22)*

Michigan State University, East Lansing, Michigan, May 23 – 27, 2022.\*

*Frontiers of Quantum and Mesoscopic Thermodynamics (FQMT'22)*

Prague, Czech Republic, July 31 – August 6, 2022.

*Quantum Monte Carlo (QMC) in the Next Decade*

Center for Computational Quantum Physics, Flatiron Institute, New York City, September 20 – 23, 2022.

*16th Varenna Conference on Nuclear Reaction Mechanisms*

Varenna, Italy, June 11 –16, 2023.

*Workshop on Statistical Nuclear Physics in Astrophysics and Applications*

Ohio University, Athens, Ohio, August 14 – 17, 2023.\*

*Seventh International Workshop on Compound Nuclear Reactions and Related Topics*

Vienna, Austria, July 8 – 12, 2024 (keynote talk).\*

*Symposium in Honor of the 75th Anniversary of the Nuclear Shell Model and Maria Goeppert-Mayer.*

Argonne National Laboratory and the University of Chicago, July 19 – 21, 2024 (talk given by D. DeMartini).

*Frontiers of Quantum and Mesoscopic Thermodynamics (FQMT'24)*

Prague, Czech Republic, July 21 – 27, 2024.

*Quantum Few- and Many-Body Systems in Universal Regimes (INT-24-3)*

Institute of Nuclear Theory, Seattle, Washington, October 21 – 25, 2024.

\*could not attend