

## Donald F. Geesaman

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### Degrees Attained:

Ph.D.	1976	State University of New York, Stony Brook, NY
M.A.	1972	State University of New York, Stony Brook, NY
B.S.	1971	Colorado School of Mines, Golden, CO

### Employment History:

2017-	Argonne Associate of Global Empire LLC
2008-2017	Distinguished Argonne Fellow and Associate Director, Physics Division
2000-2007	Director, Physics Division, Argonne National Laboratory
1991-2000	Senior Physicist, Argonne National Laboratory
1981-1991	Physicist, Argonne National Laboratory
1978-1981	Assistant Physicist, Argonne National Laboratory
1976-1978	Postdoctoral Research Associate, Argonne National Laboratory

### Awards

APS Division of Nuclear Physics 2016 Distinguished Service Award

### Professional Organizations:

Fellow, American Physical Society  
Fellow, American Association for the Advancement of Science

## Professional Activities

### Journal Activities:

Chair, APS Review of Physical Review C and its Editor – 2008  
Editor, *Physics Letters B* – 2004-  
Correspondent, *Nuclear Physics News* – 2007- 2011  
Member, Editorial Committee of *Annual Reviews of Nuclear and Particle Science*  
– 1997-2001  
Associate Editor, *Physical Review C* – 1997-2001  
Member, Editorial Board of *Physical Review C* – 1987-1989

### **American Physical Society Activities:**

Chair, Selection Committee for the Tom W. Bonner Prize of the American Physical Society – 2010, Vice-Chair 2009

Member, American Physical Society Fellowship Committee – 2007-2009

Member, Selection Committee for the Hans A. Bethe Prize of the American Physical Society – 2007-2009

Chair, APS Fellowship Committee of the Division of Nuclear Physics – 2006

Chair, Dissertation Award Committee of the Division of Nuclear Physics of the American Physical Society – 2004

Chair, Division of Nuclear Physics, American Physical Society – 2004-2005, Chair-elect 2003-2004, Vice-Chair 2002-2003

Chair, Program Committee of the Division of Nuclear Physics of the American Physical Society – 2003, Member – 2002-2005

Member, D.N.P. National Nuclear Physics Summer School Committee – 2000-2001

Member, Fellowship Committee of the Division of Nuclear Physics of the American Physical Society – 2000-2001

Convener, D.N.P./NSAC Town Meeting on Hadron Probes – 1995

Chair, Bonner Prize Committee of the Division of Nuclear Physics of the American Physical Society – 1995, Member 1994-1995 and 2009.

Convener, D.N.P./NSAC Town Meeting on Electromagnetic Probes – 1989

Member, Program Committee of the Division of Nuclear Physics of the American Physical Society – 1991-1992

### **Nuclear Science Advisory Committee Activities:**

Chair, NSAC Long Range Plan Working Group – 2014-2015

Member, NSAC Subcommittee on Neutrinoless Double Beta Decay – 2014-

Member, NSAC Subcommittee Review of the GTRI Mo-99 Program – 2014-

Member, NSAC Subcommittee on Workforce Development – 2014

Chair, Nuclear Science Advisory Committee – 2012-2016

Member, NSAC Office of Nuclear Physics Committee of Visitors – 2013

Member, NSAC Subcommittee on Scientific Facilities – 2013

Member, NSAC Subcommittee on the Implementation of the 2007 Long Range Plan – (2012)

Co-Chair, NSAC Isotopes Subcommittee – 2008-2010

Member, NSAC Subcommittee on the Implementation of the 2002 Long Range Plan – 2005

Chair, NSAC Subcommittee on Performance Measures – 2003

Member, Nuclear Science Advisory Committee – 2004

Member, NSAC Long Range Plan Working Group – 2001

Member, NSAC Subcommittee on RHIC Experimental Equipment – 1995

Member, NSAC Long Range Plan Working Group – 1995

Member, Nuclear Science Advisory Committee – 1989-1992

Member, NSAC Subcommittee on Instrumentation – 1988-1989.

Member, NSAC Long Range Planning Working Group – 1983

### **Program Advisory Committees:**

- Member, Program Advisory Committee for GSI FAIR Project – 2004
- Member, BNL High Energy and Nuclear Physics Program Advisory Committee – 2001-2005
- Chair, Jefferson Laboratory Program Advisory Committee – 1999-2001
- Member, National Advisory Committee of the National Institute of Nuclear Theory – 1995-1998
- Member, Program Advisory Committee for the M.I.T. Bates Linear Accelerator Center – 1988-1992
- Member, Indiana University Cyclotron Program Advisory Committee – 1985-1988

### **Users Group Activities:**

- Chair, Jefferson Laboratory Users Group Board of Directors – 1997-1999, Member – 1994-1996
- Member, Board of Directors of M.I.T. Bates users group – 1987-1988
- Member, Board of Directors of LAMPF users group – 1985-1986
- Member, Technical Advisory Panel of LAMPF users group – 1984-1985
- Member, Nuclear Physics Subcommittee, advisory to LAMPF users group – 1984
- Chair, EPICS working group of the LAMPF users group – 1982

### **International Committees and Reviews:**

- Member, J-PARC International Advisory Committee – 2013-
- Member, IUPAP Working Group on International Cooperation in Nuclear Physics – 2012-
- Member, IUPAP C12, Commission on Nuclear Physics – 2008- 2014
- Member, U.S. Liaison Committee for the International Union of Pure and Applied Physics – 2009-2014
- Member, OECD Global Science Forum Working Group on Nuclear Physics – 2005-2008
- Member, KEK-PS 2008 External Review – 2008
- Member, EURISOL Site Investigation Panel of EURISOL Design Study – 2008
- Chair, Scientific Advisory Committee for the Hadron Physics I3 European Community-Research Infrastructure Activity – 2007-2009
- Member, Hadron Physics Programme Advisory Council of Forschungszentrum Juelich GmbH – 2006
- Member, Scientific Advisory Council of the Institute of Nuclear Physics of Forschungszentrum Juelich GmbH – 2003-2005
- Member, NSERC Subatomic Physics Grant Selection Committee – 1999-2002
- Member, International Review Panel of Research at the COSY Accelerator of Forschungszentrum Juelich – 1999

## **DOE and NSF Reviews and Service:**

- Member, NSF Nuclear Physics Proposal Evaluation Panel – 2011
- Member, DOE 2010 Operations Review of Thomas Jefferson National Accelerator Facility – 2010
- Member, DOE HEP Working Group on Accelerators for America's Future – 2009-2010
- Member, DOE Review of HIγS – 2007
- Member, DOE M.I.T. Laboratory for Nuclear Science Review – 2007
- Member, DOE Jefferson Laboratory Science and Technology Review – 2007, 2003, 2001
- Member, National Science Foundation DUSEL S3 Site Selection Committee – 2007
- Member, NSF Physics Division Committee of Visitors, chair-Nuclear Physics subcommittee – 2006
- Member, DOE Selection Committee for the Ernest O. Lawrence Award in the High Energy and Nuclear Physics category – 2006
- Chair, Conventional Weapons and Explosives Working Group. DOE Division of Nuclear Physics Workshop on the Role of the Nuclear Physics Research Community in Combating Terrorism. – 2002
- Member, DOE Operations Review of CEBAF and RHIC – 2002

## **Other Activities**

- Chair, JSA Jefferson Laboratory Director Search Committee – 2016
- Co-Chair, Jefferson Laboratory Search Committee for Associate Laboratory Director, Deputy Associate Laboratory Director and Hall A Leader – 2010-2011
- Member, SURA Jefferson Laboratory Director Search Committee – 2007
- Member, External Review Committee of the Physics Department of Yale University – 2006
- Member, SURA Institutional Management Review of Jefferson Lab – 2004
- Member, FNAL Proton Driver Scientific Advisory Group – 2004-2005
- Member, Southeastern Universities Research Association Board of Trustees and Jefferson Lab Committee – 2003-2005
- Co-Spokesman, Fermilab Experiment E906 – 2002-2016
- Chair, JLab Scientific Policy Advisory Group – 2002-2004
- Chair, External Visiting Committee of the Physics Department of the Colorado School of Mines – 2005-2008, Member 2002-2008
- Member, Review of the Rutgers University Physics Department – 2002
- Member, RHIC Detector Technical Advisory Committee – 2002
- Member, Brookhaven Science Associates Corporate Oversight Review – 2001
- Member, BNL Director's Review of the RHIC SPIN Physics Program – 1995
- Chair, Indiana University Cyclotron Facility and Nuclear Theory Center Visiting Committee – 1995-1997. Member: 1994-1997
- Chair, Organizing Committee of the Workshop on Future Directions in Particle and Nuclear Physics at Multi-GeV Hadron Facilities. Brookhaven National Laboratory – March 1993
- Member, Brookhaven Technical Advisory Committee for RHIC Detectors. – 1991-1997

Chair, Bates Large Acceptance Toroid Spectrometer Technical Review Committee  
– 1991  
Spokesman, Fermilab Experiment E665 – 1989-1991  
Member, Organizing Committee for the Conference on the Intersections between Particle  
and Nuclear Physics – 1984-1988  
Member, AGS II Task Force – 1983-1984  
Subject, Being a Scientist, Chicago Museum of Science and Industry Process of Science  
Exhibit – 1982

### **Biography**

Donald Geesaman is a Distinguished Argonne Fellow and a former Director of the Physics Division at Argonne National Laboratory. He received his B.S. (1971) from the Colorado School of Mines and M.A. and Ph.D. (1976) from the State University of New York at Stony Brook. After his Ph.D. he joined Argonne National Laboratory and was promoted to Senior Physicist in 1991 and Distinguished Argonne Fellow in 2008. He is a fellow of the American Physical Society and the American Association of the Advancement of Science and was elected the Chair of the Division of Nuclear Physics of the APS for 2004-2005. He has served on the Board of the Directors of users groups at M.I.T. Bates, LAMPF, and JLab, Program Advisory Committees at IUCF, M.I.T. Bates, JLab, BNL, and GSI, been the chair of the Board of Directors of the Jefferson Lab Users Group and chair of the Jefferson Lab Program Advisory Committee. Dr. Geesaman was the chair of the Nuclear Science Advisory Committee (NSAC) from 2012-2016 and led the 2015 Long Range Plan for Nuclear Science, “Reaching for the Horizon”. He previously served on NSAC, numerous NSAC subcommittees and Long-Range Plan working groups (including co-chair of the NSAC Isotopes Subcommittee that created a Long Range Plan for the Isotope Development and Production for Research and Applications program). He was a member of the OECD Global Science Forum Working Group for Nuclear Physics and is currently a member of the IUPAP Working Group on International Cooperation in Nuclear Physics. He was an Associate Editor of *Physical Review C* and is currently an Editor of *Physics Letters B*. Dr. Geesaman's recent research focuses on understanding the implications of nucleon substructure in nuclear physics and on understanding the structure of nuclei. This includes measurements of deep inelastic muon scattering at FNAL, measurements of the anti-quark distributions of the proton in Drell-Yan experiments at FNAL, tests of color transparency in electroproduction experiments at FNAL, SLAC and Jefferson Lab and several experiments at Jefferson Lab to examine the structure of the proton and its meson fields in the nuclear medium. The nuclear structure work includes electron scattering studies and planning for advanced rare isotope facilities. He is the author of more than 100 scientific publications.