

Shaul Hanany
Professor of Physics
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Employment and Appointments

2008 – present Professor, University of Minnesota/Twin Cities
2002 – present Associate Fellow, Minnesota Supercomputing Institute,
University of Minnesota/Twin Cities
2011 – 2012 Visiting Professor, Technion - Israel Institute of Technology, Israel
2002 – 2008 Associate Professor, University of Minnesota/Twin Cities
2004 – 2006 Associate Professor, Weizmann Institute of Science, Israel
1999 – 2002 Assistant Professor, University of Minnesota/Twin Cities
1996 – 1998 Research Physicist, University of California, Berkeley
1993 – 1996 Center Research Fellow, The Center for Particle Astrophysics,
University of California, Berkeley

Education

1993 Ph.D., Physics, Columbia University
“On Photoemission with Polarized X-rays” (Advisor: Prof. R. Novick)
1992 M.Phil., Physics, Columbia University
1989 M.Sc., Physics, Rensselaer Polytechnic Institute
“Monte Carlo Simulations of the Dynamics of Dust
Grains in Homogeneous Static Gas” (Advisor: Prof. W. Roberge)
1987 B.Sc. Physics, Tel Aviv University, Israel

Honors and Awards

2022 George W. Taylor Award for Distinguished Service,
College of Science and Engineering, University of Minnesota
2020 Distinguished University Teaching Professor
Horace T. Morse - University of Minnesota Alumni Association Award
for Outstanding Contributions to Undergraduate Education
2016 George W. Taylor/CSE Alumni Society Award for Distinguished Teaching,
College of Science and Engineering, University of Minnesota
2012 Fellow, American Physics Society
2010 ‘Best Professor in Physics’, Institute of Technology Student Board,
University of Minnesota
2003 ‘Best Professor in Physics’, Institute of Technology Student Board,
University of Minnesota
2001 – 2003 McKnight Land-Grant Professor, University of Minnesota/Twin Cities
2000 Paper published by Hanany et al. (2000) was cited as
“one of the 10 most important breakthroughs in science
for the year 2000” *Science*, **290**, pg. 2221
1999 American Astronomical Society Chretien Grant
1993 Center Research Fellow, The Center for Particle Astrophysics
University of California, Berkeley
1987 Magna Cum Laude, Tel Aviv University, Israel

Professional Societies

American Physical Society (Fellow);
Division of Astrophysics
Forum on Physics and Society
American Astronomical Society

Service to the Profession

- Chair, Roman Observations Working Group, Committee on Astronomy and Astrophysics, Space Studies Board, Board on Astronomy and Astrophysics, Division on Engineering and Physical Sciences, The National Academies of Sciences, Engineering and Medicine, 2022 – present
- Member, Committee on Astronomy and Astrophysics, Space Studies Board, Board on Astronomy and Astrophysics, Division on Engineering and Physical Sciences, The National Academies of Sciences, Engineering and Medicine, 2019 – present
- Editor, Journal of Cosmology and Astro-Particle Physics, 2000 – 2022
- Review Editor, Frontiers in Astronomy and Space Science, 2020 – 2022
- Founder and Lead Organizer, Workshop series "Scientific Ballooning Technologies", May 2016, 2017, 2019, 2021 Minneapolis, MN 2016,
- Lead Organizer, Workshop "CMB with PICO", May 2018, Minneapolis, MN
- Co-Organizer, Workshop "CMB Foregrounds", November 2017, San Diego, CA
- Committee Member, Balloon Working Group, NASA's Balloon Program Office, 2011 - 2016
- Co-Organizer, Workshop: "Cosmology with the CMB and its polarization", January 2015, Minneapolis, MN
- Lead Coordinator, Inflation Probe Science Analysis Group, a subgroup of the Physics of The Cosmos Program Analysis Group, 2011 - 2015
- Executive Committee Member, Physics of The Cosmos Program Analysis Group for NASA's Astrophysics Subcommittee, 2011 - 2015
- Co-Organizer, American Astronomical Society Meeting Special Session, "The Cosmic Microwave Background Radiation", January 2014
- Committee Member, European Space Agency's Planck satellite Mid-Term Review Board, 2011 - 2012
- Member, Astrophysics Subcommittee to NASA's Science Advisory Committee, 2008 - 2012
- Co-Organizer, CMBPol Technology Workshop, Boulder, CO, August 2008
- Chair, Primordial Polarization Program Definition Team, A NASA team to define and coordinate the activities of a future cosmic microwave background polarization satellite, 2007 – 2010
- Lead organizer, American Astronomical Society Meeting Special Session, "The Cosmic Microwave Background Radiation", January 2007
- Chair, Local Organizing Committee, 'The cosmic microwave background and its polarization', March 2003, University of Minnesota/Twin Cities
- Peer review panels for NSF, NASA, and Lawrence Livermore National Laboratory
- Proposal mail in reviews for NSF and California's CalSpace grant program
- Paper refereeing for Astrophysical Journal Letters, Astrophysical Journal, Astrophysical Journal Supplement, Applied Optics

Service to the School and University (since 2015)

- Chair, Computation Integration Task Force, School of Physics and Astronomy, 2021 – present
- Chair, Career Education Committee, School of Physics and Astronomy, 2021 – present
- Chair, Undergraduate Education Committee, School of Physics and Astronomy, 2020 – 2021
- Director of Career Education, School of Physics and Astronomy, 2018 – present
- Chair, Undergraduate Education Committee, School of Physics and Astronomy, 2015 – 2018
- Co-Organizer, 3M Tour for Students, April 2017
- Ph.D. Thesis Committee, Marcos Garcia Garcia, School of Physics and Astronomy, August 2016
- Panel Member, ‘Employment for Physics Graduate Students’, School of Physics and Astronomy, April 2016
- Judge, Best Poster Competition, Minnesota Supercomputing Institute, April 2016

Public Outreach

- Director of the University of Minnesota’s Physics Force, 2013 – present
- Member of the University of Minnesota Physics Force, 2007 – present
Participated in tens of shows at Northrop, the Minnesota State Fair,
University of Minnesota College of Science and Engineering Family Fun Fair,
and schools in the Saint Paul and Minneapolis metro area.
- University of Minnesota Homecoming, Science Demonstration, October 2010
- Annual judging in Science Fair, Murray Middle School, 2014 - 2015
- Annual science shows at St. Anthony Park Elementary School, 2007 - 2013
- Annual judging in science fair, St. Anthony Park Elementary School, 2007 - 2013
- Scientist on the Spot, Science Museum of Minnesota, Saint Paul, MN, August 2008
- Minnesota State Fair, August 2007
- “Cosmology” Lecture in Gifted Student Seminar, Irondale High School, Minneapolis, 2000