



S. Alan Stern, Ph.D.



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■ Education:

- B.S. 1978 University of Texas (Physics)
- M.S. 1980 University of Texas (Aerospace Engineering). Thesis: Extravehicular Point-to-Point Transfers in the Vicinity of Large Space Structures.
- B.A. 1980 University of Texas (Astronomy)
- M.S. 1981 University of Texas (Planetary Atmospheres): Thesis: Theoretical Investigations of the Atmospheric Environment of Pluto.
- PhD. 1989 University of Colorado (Astrophysics and Planetary Science)
- Dissertation: The Evolution and Detectability of Comets in Extra-Solar Oort Clouds

■ Professional Positions:

- 1979,1980 Summer Intern, NASA Johnson Space Center
- 1982-1983 Systems Engineer, Martin Marietta Aerospace
- 1983-1986 Spacecraft Engineer, Laboratory for Atmospheric and Space Physics, U. Colorado
- 1986-1987 Assistant Director, Office of Space Science and Technology, U. Colorado
- 1987-1988 Assistant to the Vice President for Research, U. Colorado
- 1988-1991 Research Fellow, Center for Space & Geosciences Policy, U. Colorado
- 1989-1990 Research Associate, Laboratory for Atmospheric & Space Physics, U. Colorado
- 1990-1991 Research Associate, Center for Astrophysics and Space Astronomy, U. Colorado
- 1991-1992 Principal Scientist, Space Science Department, Southwest Research Institute
- 1992-1997 Section Manager, Space Science Department, Southwest Research Institute
- 1998-2005 Department Director, Southwest Research Institute
- 2004-2007 Executive Director, Space Science & Engineering Div., Southwest Research Institute
- 2007-2008 Associate Administrator, NASA Headquarters, Science Mission Directorate
- 2008- Aerospace and Space Science Consultant
- 2008-2012 Member, Board of Directors, Challenger Center for Space Science Education

2009- Associate Vice President, Southwest Research Institute
 2009-2014 Adjunct Faculty, Department of Physics, University of Central Florida
 2010-2013 Chief Scientist and Mission Architect, Moon Express Google lunar X-Prize Team
 2011-2013 Director, Florida Space Institute
 2013-2015 Member, Board of Directors, World View Enterprises
 2014-2016 Chief Science Officer, World View
 2014- Member, Technical Advisory Committee, Spaceport Colorado
 2016-2018 Board Chairman, Commercial Spaceflight Federation
 2018-2024 Member, National Science Board
 2019- Member, Board of Directors, Voyager Space Holdings, Inc.
 2021- Chief Exploration Officer, World View Enterprises
 2021- Member, Board of Directors, KinetX Corporation
 2021- Member, Galileo Project for the Systematic Scientific Search for Evidence of Extraterrestrial Technological Artifacts

■ **Research Interests:**

- Outer solar system
- Planetary origins
- Pluto system
- Kuiper Belt Objects
- Lunar Atmosphere
- Rendezvous Theory

■ **Honors and Awards:**

- 1983 Martin Marietta New Design Innovation Award
- 1984 Solar Max Repair Mission Recognition Award
- 1988-1989 NASA Graduate Fellowship
- 1988-1990 University of Colorado Graduate Fellow
- 1994: National Space Society: 25 Young Leaders in Space
- 1995: NASA Goddard Space Flight Center Special Act Group Achievement Award to the ASTRO/Spacelab Ultraviolet Imaging Team (UIT) Team
- 1996: Discover Magazine Citation for Pluto Mapping as One of the Top 100 Science Stories of 1996
- 1996: Asteroid (6373) Stern named by International Astronomical Union (IAU)
- 1998: NASA/JPL Recognition Award for Significant Software Development, "UV Spectral Analyzer"
- 1998: NASA/JPL Recognition Award for the NASA Tech Brief, "Satellite Detector"
- 1998: NASA Hale-Bopp Sounding Rocket Campaign Group Achievement Award
- 2001: Aviation Week Laurel Honoree for Efforts to Initiate a NASA Pluto Mission
- 2002: Full Professor Adjunct, University of Colorado, Astrophysical and Planetary Sciences
- 2002: NASA New Millennium Deep Space-1 Mission Group Achievement Award
- 2005: NASA Rosetta Group Achievement Award
- 2006: Boulder Daily Camera Top Scientist Father
- 2006: Dennard Visiting Scholar, St. Mark's School of Texas
- 2006: National Space Club Von Braun Aerospace Achievement Award

- 2007: University of Colorado George Norlin Distinguished Alumnus Award 2007
- 2007: Time 100 Honoree
- 2007: Fellow, American Association for the Advancement of Science (AAAS)
- 2008: NASA New Horizons Group Achievement Award
- 2008: Fellow, International Academy of Astronautics
- 2009: Mazursky Lecturer, 40th Lunar and Planetary Science Conference
- 2009: Distinguished Alumnus of 2009, St. Mark's School of Texas
- 2010: NASA Lunar Reconnaissance Orbiter, Group Achievement Award
- 2011: NASA Alice Flight Operations Team, NASA Public Service Group Achievement Award
- 2012: NASA Lunar Reconnaissance Orbiter Exploration Group Achievement Award
- 2012: NASA Lunar Reconnaissance Orbiter Operations Team Group Achievement Award
- 2013: NASA Lunar Reconnaissance Orbiter Exceptional Achievement Award for Science Team
- 2014: Graduate Faculty Scholar, UCF
- 2015: Honorary Fellowship of the Royal Astronomical Society
- 2015: Smithsonian Magazine American Ingenuity Award
- 2015: Space News Leaders Making a Difference, First Place
- 2015: NASA Lunar Reconnaissance Orbiter Extended Mission Group Achievement Award
- 2015: Nature Magazine, 10 People Who Mattered in Science
- 2016: Sagan Memorial Award, American Astronautical Society
- 2016: Spirit of Yuri's Night Award Recipient
- 2016: Boy Scouts of America Distinguished Eagle Scout Award
- 2016: 2016 NASA Distinguished Public Service Medal
- 2016: Time 100 Honoree
- 2016: Space Foundation, Colorado Space Heroes Hall of Fame Inductee, Founding Class
- 2016: Cosmos Outstanding Public Presentation of Science Award of the Planetary Society
- 2016: ESPN University of Texas Longhorn Legend
- 2017: SPIE George W. Goddard Award to New Horizons Remote Sensing Team
- 2017: Elected a National Fellow of The Explorers Club
- 2017: Distinguished Alumnus Award, University of Texas College of Natural Sciences
- 2018: The National Award of Nuclear Science and History
- 2018: The Lowell Thomas Award of the Explorers Club
- 2018: Basic Sciences Award of the International Academy of Astronautics (IAA)
- 2019: Member, Academy of Distinguished Alumni University of Texas Aerospace Engineering
- 2019: American Geophysical Union Shoemaker Lecture
- 2019: Sir Arthur Clarke International Space Achievement Award
- 2019: NASA Group Achievement Award to the New Horizons Ultima Thule Bistatic Experiment Team
- 2021: Associate Fellow, American Institute of Aeronautics and Astronautics (AIAA)
- 2021: Fellow, American Geophysical Union (AGU)
- 2022: Inaugural Mike A'Hearn Distinguished Lecturer, University of Maryland