

JEREMIAH P. OSTRIKER

A.B. in Physics and Chemistry, Harvard, 1959
Ph.D. in Astrophysics, University of Chicago, 1964
H.D., Doctor of Science, University of Chicago, 1992
H.D., Doctor of Science, Princeton University, 2017
Master of Arts, University of Cambridge (England), 2002
Postdoctoral Fellow, University of Cambridge (England), 1964-65
Research Associate and Lecturer, Princeton University, 1965-66
Assistant Professor, Princeton University, 1966-68
Associate Professor, Princeton University, 1968-71
Professor, Princeton University, 1971-2012
 Chairman, Department of Astrophysical Sciences, Princeton University and
 Director, Princeton University Observatory, 1979-1995
Charles A. Young Professor of Astronomy, Princeton University, 1982-2002
Member of the Editorial Board and Trustee, Princeton University Press, 1982-84, 1986
Visiting Professor, Harvard University, and Regents Fellow, Smithsonian Institute, 1984-85,
Regents Fellow, 1987
Visiting Miller Professor, University of California-Berkeley, 1990, 2000, 2020
Honorary Degree of Doctor of Science, University of Chicago, 1992
Provost, Princeton University, 1995-2001
American Museum of Natural History, Trustee, 1997-2006; Honorary Trustee, 2007-
Plumian Professor of Astronomy & Experimental Philosophy, IoA, Univ. of Cambridge UK, 2001-2004
Distinguished Visitor, Institute for Advanced Study, 2004-2008
Director, Princeton Institute for Computational Science & Engineering, Princeton University, 2005-2009
Treasurer, U.S. National Academy of Sciences, 2008-2012; 2012-2016
Charles A. Young Professor Emeritus, Princeton University, 2012 – present
Senior Research Scholar, Princeton University, 2012-present
Professor of Astronomy, Columbia University, 2012-present
Honorary Degree of Doctor of Science, Princeton University, 2017

Awards, Prizes and Fellowships

National Science Foundation Fellowship, 1960-65
Alfred P. Sloan Fellowship, 1970-72
Helen B. Warner Prize of the American Astronomical Society, 1972
Sherman Fairchild Fellowship of California Institute of Technology, 1977
Henry Norris Russell Prize of the American Astronomical Society, 1980
Smithsonian Institution's Regents Fellowship, 1985
Fellow of the American Association for the Advancement of Science, 1992
Vainu Bappu Memorial Award of the Indian National Science Academy, 1993
Karl Schwarzschild Medal of the Astronomische Gesellschaft, 1999
U. S. National Medal of Science, 2000
Royal Astronomical Society Gold Medal, 2004
Catherine Wolfe Bruce Gold Medal, 2011
James Craig Watson Medal, 2012
The White House Champions of Change: Open Science, 2013
Gruber Cosmology Prize, 2015
Legacy Fellow, American Astronomical Society, 2020

Professional Societies

American Astronomical Society, 1963-
 Councilor, 1978-80
 Chairman, Committee on Astronomy and Public Policy, 1988-89
International Astronomical Union, 1966-
 U. S. Representative, 1978-81
 Commission 48, High Energy, Vice President, 1988-91; President 1991-94
National Academy of Sciences, 1974-
 Astronomy Representative, Class Membership Committee, 1977, 1978, 1987, 1988, 1993

Assembly of Mathematical and Physical Sciences, 1977-80
Commission on Physical Sciences, Mathematics and Resources, 1987-91
Committee on Astronomy and Astrophysics, 1992-95
Council Member, 1992-95
Governing Board of the NRC, 1993-95
Audit Committee, 1994-95, 2008-present
Executive Committee of Decennial Surveys: 1969-1973; 1978-83; 1988-1991
Committee to Examine the Methodology for the Assessment of Research-
Doctorate Programs, Chair, 2002-2003
Committee to Assess Research Doctorate Programs, Chair; 2005-
Astronomy Section 12 Search Committee, 2007-
Auditing Committee, 2007-
Board of Governors, 2008-2012; 2012-2016

American Academy of Arts and Sciences, 1975-
Royal Astronomical Society, Associate Member, 1994-
American Philosophical Society, 1994-
Royal Netherlands Academy of Arts and Sciences, Foreign Member, 1999-
Royal Society (London), Foreign Member, 2007-

Primary Field of Interest

Theoretical astrophysics, galaxy formation and evolution, black holes and cosmology

Selected Publications

“Active galactic nuclei feedback in an elliptical galaxy with the most updated AGN Physics (II): High-Angular Momentum Case,” Doosoo Yoon, Feng Yuan, Zhao-Ming Gan, Jeremiah P. Ostriker, Ya-Ping Li, Luca Ciotti.; *The Astrophysical Journal*, <https://arxiv.org/abs/1803.01444> (2018).

"Active galactic nuclei feedback, quiescence and circumgalactic medium metal enrichment in early-type galaxies," Eisenreich, Maximilian; Naab, Thorsten; Choi, Ena; Ostriker, Jeremiah P.; Emsellem, Eric. *Monthly Notices of the Royal Astronomical Society*, 468, 1, p.751-768 (2017).

“Formation of massive black holes in galactic nuclei: runaway tidal encounters,” Stone, Nicholas C.; Küpper, Andreas H. W.; Ostriker, Jeremiah P. *Monthly Notices of the Royal Astronomical Society*, 467, 4, 4180-4199 (2017).

“Ultralight scalars as cosmological dark matter,” Hui, Lam; Ostriker, Jeremiah P.; Tremaine, Scott; Witten, Edward; *Physical Review D*, 95, 4 (2017).

Selected Books

“Unsolved Problems in Astrophysics”, by John N. Bahcall (Editor), Jeremiah P. Ostriker (Editor)

“Formation of Structure in the Universe”, by Avishai Dekel (Editor), Jeremiah P. Ostriker (Editor)

“Development of Large Scale Structure in the Universe”, by Jeremiah P. Ostriker

“Dreams, Stars, and Electrons”, by Lyman Spitzer (Editor), Jeremiah P. Ostriker (Editor)

“Heart of Darkness: Unraveling the Mysteries of the Invisible Universe”, Jeremiah P. Ostriker & Simon Mitton

“Selected Works of Yakov Borisovich Zeldovich” by Ia. B. Zeldovich, G. I. Barenblatt, R. A. Siuniae, Yakov Borisovich Zeldovich, Ia B. Zel'dovich, Jeremiah P. Ostriker (Editor)

“Selected Works of Yakov Borisovich Zeldovich: Particles, Nuclei and the Universe”, (Selected Works of Yakov Borisovich Zeldovich, Vol 2) by Yakov Borisovich Zeldovich, G.I. Barenblatt (Editor), Jeremiah P. Ostriker (Editor), E. Jackson (Translator)