

ALEXEI V. FILIPPENKO — BIOGRAPHICAL SKETCH

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Education

Ph.D., Astronomy, California Institute of Technology May, 1984
B.A., Physics, University of California, Santa Barbara June, 1979

Employment

Chair, Department of Astronomy, UC Berkeley Jan.–June 2019
Richard & Rhoda Goldman Distinguished Professor in the Physical Sciences, UCB 2009 – Pres.
Professor of Astronomy, UC Berkeley 1992 – Pres.
Associate Professor of Astronomy, UC Berkeley 1988 – 1992
Assistant Professor of Astronomy, UC Berkeley 1986 – 1988
Miller Fellow for Basic Research in Science, UC Berkeley 1984 – 1986
Research Fellow in Astronomy, California Institute of Technology 1984

Fellowships, Honors, Appointments

Elected Fellow, American Astronomical Society 2021
Gordon Moore Innovator of the Year Award, Boy Scouts of America 2019
Distinguished Alumni Award, California Institute of Technology 2017
Miller Senior Fellow, Miller Institute for Basic Research in Science, UCB 2017 – Pres.
Inducted into the Inaugural Dos Pueblos High School 50-Year Hall of Fame 2016
Elected Member, American Academy of Arts and Sciences 2015
Corecipient, Breakthrough Prize in Fundamental Physics (for the accelerating Universe) 2015
Inducted into the Boys & Girls Clubs of America Hall of Fame 2014
Chosen for the Blue Angels “Key Influencer Program” 2012
Member of both teams whose leaders received the 2011 Nobel Prize in Physics (accel. Univ.) 2011
Richard H. Emmons Award (for undergraduate teaching), Astronomical Society of the Pacific 2010
Elected Member, National Academy of Sciences 2009
Corecipient, Gruber Cosmology Prize (for discovering the accelerating Universe) 2007
Richtmyer Memorial Award, American Association of Physics Teachers 2007
Carnegie/CASE National Professor of the Year, Doctoral and Research Institutions 2006
The world’s most highly cited astronomer in 10-year intervals ending 2003, 04, 05, 06, 07, 08
(e.g., <http://www.in-cites.com/top/2007/fourth07-spa.html>)
Carl Sagan Prize for Science Popularization 2004
UC Berkeley Distinguished Research Mentoring of Undergraduates Award 2002
Phi Beta Kappa Visiting Scholar 2002
Texty Excellence Award for “The Cosmos,” Text and Academic Authors Association 2001
Guggenheim Foundation Fellowship 2001
Elected Fellow, California Academy of Sciences 1999
The “Top Science Breakthrough of 1998,” *Science* magazine (for the accelerating Universe) 1998
Robert M. Petrie Prize, Canadian Astronomical Society 1997
Miller Research Professorship, UC Berkeley 1996, 2005
Voted “Best Professor at UC Berkeley” by UCB students 1995, 2001, 03, 04, 06, 08, 10, 11, 12
Newton Lacy Pierce Prize, American Astronomical Society 1992
Donald Sterling Noyce Prize for Excellence in Undergraduate Teaching, UC Berkeley 1991
Distinguished Teaching Award, UC Berkeley 1991
Senior Member, Center for Particle Astrophysics, UC Berkeley 1989 – 1999
NSF Presidential Young Investigator 1989 – 1994
Distinguished Alumni Award, UC Santa Barbara 1988
Fannie and John Hertz Foundation Fellowship (held at Caltech) 1979 – 1984
Nordsieck Award (The Outstanding Graduate in Physics), UC Santa Barbara 1979
President’s Undergraduate Research Fellowship, UC Santa Barbara 1978 – 1979
Regents Scholar, UCSB; Dean’s List, Highest Honors, UC Santa Barbara 1975 – 1979
First Prize, “Prize Examination” in Chemistry, UC Santa Barbara 1975
The Outstanding Graduating Senior, Dos Pueblos High School, Goleta, CA 1975

Research Interests

Supernovae, gamma-ray bursts, grav. waves, active galaxies, black holes, cosmology, robotic telescopes

Publications

About 1000 scientific publications, plus >2500 abstracts & telegrams. Citations, *h*-index: >128k, 150 (ADS); >168k, 172 (Google Scholar). 2 books edited; 1 textbook (5 ed.); 5 video courses.