

## SCOTT D. TREMAINE

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**Born:** May 25, 1950, Toronto, Canada

**Citizenship:** Canada and United States

**Education:** B.Sc. (physics), McMaster University 1971  
M.A. (physics), Princeton University 1973  
Ph.D. (physics), Princeton University 1975

**Employment:** Research fellow, 1975-1977  
California Institute of Technology  
Research associate, 1977-1978  
Institute of Astronomy, Cambridge, England  
Long-term member, 1978-1981  
Institute for Advanced Study, Princeton  
Associate Professor, Department of Physics, 1981-1985  
Massachusetts Institute of Technology  
Director, Canadian Institute for Theoretical Astrophysics 1985-1996  
Professor, Department of Physics, Department of 1985-1995  
Astronomy, and C.I.T.A., University of Toronto  
University Professor, University of Toronto 1995-1997  
Director, Canadian Institute for Advanced Research 1996-2002  
Program in Cosmology and Gravity  
Professor, Department of Astrophysical Sciences, 1997-2007  
Princeton University  
Chair, Department of Astrophysical Sciences 1998-2006  
Charles A. Young Professor on the 2002-2006  
Class of 1897 Foundation  
Richard Black Professor of Astrophysics, 2007-  
Institute for Advanced Study, Princeton  
Visiting Lecturer with the rank of Professor, 2014-  
Princeton University

**Visiting positions:** Albert Einstein Professor fall, 1983  
Institute for Advanced Study, Princeton

Sherman Fairchild Distinguished Scholar, California Institute of Technology	winter, 1991
Raymond and Beverly Sackler Visiting Astronomer, Institute of Astronomy, Cambridge	fall, 1994
Raymond and Beverly Sackler Visiting Astronomer Institute of Astronomy, Cambridge	summer, 2001
Max Planck Institute for Astrophysics Visiting Miller Professor University of California, Berkeley	2006, 2013 2013

**Fellowships  
and Awards:**

Woodrow Wilson Fellow	1971-1972
National Research Council (Canada) Postdoctoral Fellow	1975-1977
Richard Chace Tolman Fellow in Theoretical Physics	1975-1997
Alfred P. Sloan Research Fellow	1982-1986
Helen B. Warner Prize, American Astronomical Society	1983
E. W. R. Steacie Memorial Fellowship	1988-1990
Steacie Prize	1989
Carlyle S. Beals Award, Canadian Astronomical Society	1990
Rutherford Medal in Physics, Royal Society of Canada	1990
Foreign Honorary Member American Academy of Arts and Sciences	1992
Killam Research Fellowship, Canada Council	1994-1995
Associate of the Royal Astronomical Society	1994
Fellow of the Royal Society of Canada	1994
Fellow of the Royal Society of London	1994
Doctor of Science, McMaster University	1996
Asteroid (3806) Tremaine	1996
Dannie Heinemann Prize for Astrophysics	1997
Dirk Brouwer Award	1997
Doctor of Science, St. Mary's University	1999
Member, National Academy of Sciences	2002
Research Award, Alexander von Humboldt Foundation	2005
Doctor of Science, University of Toronto	2010
Tomalla Foundation Prize for Gravity Research	2013
Henry Norris Russell Lectureship, American Astronomical Society	2020

**Named lectures:**

Morris Loeb Lectureship, Harvard University	1987-1988
David H. Harris Lecturer, MIT	1994
George H. Darwin Lecturer, Royal Astronomical Society	1994
Biermann Lectures, Max-Planck-Institut für Astrophysik	2006
Oort Lectures, Leiden Observatory	2007

Distinguished Lecture Series, Lewiner Institute for Theoretical Physics, Technion	2008
John Bahcall Colloquium, Weizmann Institute of Science	2008
Blaauw Lectures, University of Groningen	2009
Källén Lectures, Lund University	2013
David Rittenhouse Lecture, Dept. of Physics and Astronomy, University of Pennsylvania	2013
Halley Lecture, University of Oxford	2016

**Major external  
committees  
(last ten years):**

Review Panel, Dept. of Physics and Astronomy University of British Columbia	2017
Faculty Search Committee, Department of Physics ETH Zurich	2016-2017
Program Advisory Committee, Canadian Institute for Advanced Research, Program in Cosmology and Gravity	2001-2016
Chair, Program Advisory Committee, Canadian Institute for Advanced Research, Program in Gravity & the Extreme Universe	2017-
Selection committee, Kavli Prize in Astrophysics	2007-2010
Astronomy and Astrophysics Decadal Survey, National Research Council	2008-2010
Scientific Advisory Board, Mathematics and Physical Sciences, Simons Foundation	2011-2014
International Review Committee, Kavli Institute for Astronomy and Astrophysics at Peking University	2012
Scientific Advisory Board, Munich Institute for Astro- and Particle Physics	2012-2015
Review panel, NASA Astrophysics Theory Program	2014
Review panel, Dept. of Astronomy, University of Illinois	2015
Review Panel, Dept. of Astronomy, Cornell University	2016
Selection Committee, Bower Award and Prize for Achievement in Science	2015-2016
Selection Committee, Shaw Prize in Astronomy	2016-
Selection Committee, Dan David Prize	2016-2017
Selection Committee, Karl Taylor Compton Medal for Leadership in Physics, American Institute of Physics	2015, 2019
International Advisory Committee, T. D. Lee Institute, Shanghai Hubble Fellowship Selection Committee	2019- 2020

**Memberships:**  
 American Academy of Arts and Sciences  
 American Astronomical Society  
 International Astronomical Union  
 National Academy of Sciences

Royal Society of Canada  
Royal Society of London

**Ph.D. theses supervised:** Kedron Silsbee (2015–2017); Cristobal Petrovich (2012–2015); Annika Peter (2005–2007); Dan Fabrycky (2005–2007); Mario Juric (2004–2006); Xiaoan Wu (2004–2006); Eric Ford (2001–2003); Qingjuan Yu (2000–2002); Roman Rafikov (2000–2002); Paul Wiegert (1993–1996); Blane Little (1986–1989); Suguru Araki (1982–1985); Julia Heisler (1983–1986); Martin Weinberg (1982–1984)

**Graduate research projects supervised:** Joshua Wallace (2015); Yan-Fei Jiang (2009); Lorenzo Sironi (2008); Yue Shen (2008); Nicole Lemaster (2005); Roberto Muñoz (2005); Nadia Zakamska (2002–2004); Xiaoan Wu (2003); Hiranya Peiris (2002); Qingjuan Yu (1999); Miguel Preto (1998); Leonid Malyshkin (1998); Wayne Hayes (1997); Joachim Stadel (1996); Tracy Clarke (1993); David Earn (1990)

**Postdoctoral fellows supervised:** Jing Luan (2018–); Elena Murchikova (2018–); Susan Clark (2017–); Yuan-Sen Ting (2017–); Adrian Hamers (2016–2019); Jean-Baptiste Fouvry (2016–2019); Ben Bar-Or (2015–2019); Bence Kocsis (2008–2009 and 2013–2015); Jo Bovy (2011–2015); David Spiegel (2011–2014); Hanno Rein (2010–2013); Subo Dong (2009–2013); Aristotle Socrates (2008–2013); Kevin Heng (2007–2010); Alexia Schulz (2007–2010); Shane Davis (2006–2010); Glenn van de Ven (2006–2009); Takahiro Sumi (2004–2006); Serge Tabachnik (2000–2002); Fathi Namouni (1999–2000); Chigurupati Murali (1995–1997); Kevin Rauch (1995–1997); Matthew Holman (1995–1997); John Magorrian (1994–1997); Jihad Touma (1993–1996); Robert Nelson (1992–1995 and 1998–2000); David Syer (1992–1995); Prasenjit Saha (1991–1994); Konrad Kuijken (1990–1993); Luke Dones (1990–1993); Gerald Quinlan (1989–1992); Peter Leonard (1988–1990); Hyung-Mok Lee (1987–1989); Thomas Quinn (1985–1988)

**Undergraduate research projects supervised:** Tomer Yavetz (2013); Margaret Kirkland (2004); Richard de Simone (2000); Douglas Johnstone (1988); David Hogg (1990, 1991); Safi Bahcall (1987); Adam Freedman (1984)