

SCOTT D. TREMAINE

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e-mail: tremaine@ias.edu
- Born:** May 25, 1950, Toronto, Canada
- 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, 1985–1996
Canadian Institute for Theoretical Astrophysics
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, winter, 1991

California Institute of Technology 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	1975–1977
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

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

Major external committees

(last ten years):

Sloan Digital Sky Survey Advisory Council	1998–2006
Astrophysical Research Consortium Board of Directors	1998–
Scientific Advisory Committee, Perimeter Institute for Theoretical Physics	2000–2006
Program Advisory Committee, Canadian Institute for Advanced Research, Program in Cosmology and Gravity	2001–
Committee on Astronomy and Astrophysics, National Research Council	2004–2007
Heineman Prize Committee, American Astronomical Society	2004–2006
Chair, Sloan Digital Sky Survey II Advisory Council	2005–2007
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

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–); Cristobal Petrovich (2012–2015); Annika Peter (2005–2007); Dan Fabrycky (2005–2007); Mario Juric (2004–2006); Xiaonu 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 (2002–04); 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: 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)