

CURRICULUM VITAE: CLIFFORD M. WILL

STATISTICS

Born: November 13, 1946, Hamilton, Ontario, Canada
Citizenship: United States
Married: Leslie Saxe Moser, June 26, 1970
Children: Elizabeth Sue Torop, Rosalie Will Boxt

PRESENT POSITION:

Distinguished Professor of Physics, Department of Physics, University of Florida, Gainesville
August 2012 –

CONCURRENT POSITION:

James S. McDonnell Professor of Space Sciences, Emeritus, Department of Physics and McDonnell Center for the Space Sciences, Washington University, St. Louis,
September 2012 –

Chercheur Associé, C.N.R.S, Institut d'Astrophysique de Paris
April 2013 –

PREVIOUS ACADEMIC POSITIONS:

James S. McDonnell Professor of Space Sciences Department of Physics and McDonnell Center for the Space Sciences, Washington University, St. Louis,
January 2005 – September 2012

Professor, Department of Physics and McDonnell Center for the Space Sciences, Washington University, St. Louis,
September 1985 – January 2005

Chairman, Department of Physics, Washington University, St. Louis,
July 1991 – June 1996, July 1997 – June 2002

Associate Professor, Department of Physics and McDonnell Center for the Space Sciences, Washington University, St. Louis,
September 1981 – September 1985

Assistant Professor, Department of Physics, Stanford University,
August 1974 – August 1981

Enrico Fermi Fellow, Enrico Fermi Institute, University of Chicago,
September 1972 – August 1974

Instructor in Physics, California Institute of Technology,
June 1971 – June 1972

VISITING PROFESSORSHIPS, OTHER POSITIONS:

Visiting Professor, Université Pierre et Marie Curie, Paris; Visiting Professor, Institut Henri Poincaré & Université Paris IX,
September 2006 – October 2006

Chercheur Associé, C.N.R.S

Institut d'Astrophysique de Paris

June 2003 – August 2004, May – August 2005, June – December 2006, May – October 2007, June – October 2008, May – August 2009, June 2010 – August 2011, June – October 2012

Visiting Professor, Racah Institute of Physics, Hebrew University, Jerusalem, Israel
January – July 1997

Chercheur Associé, C.N.R.S. Observatoire de Paris, Meudon
July – December 1996

Visiting Associate in Physics, California Institute of Technology,
June – July 1976

Research Fellow in Physics, Kellogg Radiation Laboratory, California Institute of Technology,
June – September 1972, May – June 1971

Graduate Teaching Assistant in Physics, California Institute of Technology,
1968 – 1970

EDUCATION:

Ph.D., Physics, California Institute of Technology, 1971

Thesis Advisor: Kip S. Thorne

B.Sc., Applied Mathematics and Theoretical Physics, McMaster University, 1968

Pre-college education, Hamilton, Ontario

AWARDS, HONORS:

Fellow, International Society on General Relativity and Gravitation, 2016

Doctor of Science *honoris causa*, University of Guelph, 2013

Elected to the US National Academy of Sciences, 2007

Fellows Award, St. Louis Academy of Sciences, 2004

Elected Fellow, American Academy of Arts and Sciences, 2002

Distinguished Alumnus Award in the Sciences, McMaster University, 1996

Fellow, American Physical Society, 1990

American Institute of Physics Science Writing Award, for “Was Einstein Right?”, 1987

The Canadian Association of Physicists Prize Examination Award, 1968

The Burke Memorial Ring, McMaster University, 1968

The Chancellor's Gold Medal, McMaster University, 1968

The Governor General's Medal, McMaster University, 1967

Dean's Honor List, McMaster University, 1964 – 1968

SCHOLARSHIPS, FELLOWSHIPS:

John Simon Guggenheim Memorial Foundation Fellowship, 1996 – 1997

J. William Fulbright Scholarship, Council for International Exchange of Scholars, 1996 – 1997

Alfred P. Sloan Foundation Research Fellowship, Stanford University, 1975 – 1979

Mellon Foundation Junior Faculty Fellowship, Stanford University, 1978 – 1979

Enrico Fermi Fellowship, University of Chicago, 1972 – 1974

Earle C. Anthony Fellowship, California Institute of Technology, 1970 – 1971

Gulf Oil Corporation Fellowship, California Institute of Technology, 1969 – 1970

Isabella Campbell McNea Scholarship, McMaster University, 1964 – 1968
J. L. W. Gill Scholarship, McMaster University, 1966 – 1967
Gerald and Verna Simpson Memorial Prize, McMaster University, 1965 – 1966
Yates Scholarship, McMaster University, 1965 – 1966
McMaster University Scholarship, 1964 – 1965

PROFESSIONAL ACTIVITIES:

Elected Society Offices:

Chair, Astrophysics Division, American Physical Society, 2012 – 2013 (Vice-Chair, 2010 – 2011, Chair-Elect, 2011 – 2012)
President, International Society on General Relativity and Gravitation, 2004 – 2007, Deputy President, 2007 – 2010
Governing Committee, International Society on General Relativity and Gravitation, 1995 – 2004
Chair, Topical Group on Gravitation, American Physical Society, 2000 – 01 (Vice-Chair, 1998 – 99, Chair-Elect, 1999 – 2000)
Executive Committee, Astrophysics Division, American Physical Society, 1988 – 1990

Committees:

Intelligence Science and Technology Experts Group, National Academy of Sciences & Office of Director of National Intelligence, 2015 –
Chair, Fellowship Committee, International Society on General Relativity and Gravitation, 2012 – 2013
Space Studies Board (National Academy of Sciences/National Research Council), 2011 – 2015
Gravitational Wave International Committee, 2000 –
Cosmology and Fundamental Physics Science Panel, ASTRO 2010 Decadal Survey of Astronomy and Astrophysics, (National Academy of Sciences/National Research Council), 2009
Chair, Science Advisory Committee for Gravity Probe-B, National Aeronautics and Space Administration, 1998 – 2011
Beyond Einstein Program Assessment Committee (National Academy of Sciences/National Research Council), 2006 – 2007
Committee of Visitors, Physics Division, National Science Foundation, 2006
Chair, Selection Committee for American Physical Society Einstein Prize in Gravitational Physics, 2002
Committee on Physics of the Universe, (National Academy of Sciences/National Research Council), 2000 – 2002
Committee on Gravitational Physics, (National Academy of Sciences/National Research Council), 1997 – 1999.

Discipline Working Group, Microgravity Physics, National Aeronautics and Space Administration, 1997 – 1999

Working Group on Relativity in Celestial Mechanics and Astrometry, International Astronomical Union, 1997 –

Task Group on Space Astrophysics and Astronomy, Space Studies Board (National Academy of Sciences/National Research Council), 1996

Chair, Search Committee for Editor of *Reviews of Modern Physics*, 1994 – 1995

Task Group to Study Gravity Probe-B, Naval Studies Board (National Academy of Sciences/National Research Council), 1995

Education Committee, American Physical Society, 1994 – 1996

Working Group on the Application of General Relativity to Metrology, Comité Consultatif pour la Définition de la Seconde, Bureau International des Poids et Mesures, 1993 - 1997

American Physical Society Task Force to review *Reviews of Modern Physics*, 1992 – 1993

Satellite Test of the Equivalence Principle (STEP) Theory Panel, National Aeronautics and Space Administration and European Space Agency, 1992 – 1993

Committee on Fundamental Constants and Basic Standards, National Research Council, 1990 – 1992

Space Science Working Group, Association of American Universities, 1989 – 1991

Science Coordinating Committee for Experimental Gravitation, National Aeronautics and Space Administration, 1988 – 1991

Introductory University Physics Project, American Association of Physics Teachers and American Physical Society, 1988 – 1990

Astrophysics Management Operations Working Group (Astrophysics Council), National Aeronautics and Space Administration, 1986 – 1988

Chairman, Committee on Accuracy of Time Transfer in Satellite Systems, Air Force Studies Board, National Research Council, 1984 – 1986

ESRO/NASA Review of the SOREL Project, Marshall Space Flight Center, Huntsville, Alabama, November 7 – 8, 1973

SAO/NASA Review of the Gravitational Redshift Rocket Probe Experiment, Smithsonian Astrophysical Observatory, Cambridge, Massachusetts, October 24 – 25, 1973

Editorial and Advisory Boards:

Editor-in-Chief, *Classical and Quantum Gravity*, 2009 –

Scientific Advisory Board, Max Planck Institute for Gravitational Physics in Postdam and Hannover, Germany, 2006 – 2012

Advisory Board, Institute for Gravitation and the Cosmos, Pennsylvania State University, 2007 –

Editorial Board, *Living Reviews in Relativity*, 1998 –

Associate Editor, *Physical Review D*, 1999 – 2001

Editorial Council, *Annals of Physics (N.Y.)*, 1990 – 2002

Editorial Board, *Classical and Quantum Gravity*, 1992 – 1996

Divisional Associate Editor (Gravitation and Astrophysics), *Physical Review Letters*, 1989 – 1992

American Association of Physics Teachers, Resource Letters Editorial Board, 1988 – 1991

Conference or Workshop Organization:

Chair, Program Committee, American Physical Society “April” Meeting, April 14 – 17, 2018
(Chair-Elect, 2017; Past-Chair, 2019)

Scientific Organizing Committee, The Era of Gravitational-Wave Astronomy, 33rd Institut d’Astrophysique de Paris Colloquium, June 26 – 30, 2017

Scientific Organizing Committee, The first observation of a binary black hole merger: Status and future prospects, Albert Einstein Institute, Hanover, May 23 – 26, 2016

Organizer, 8th Gulf Coast Gravity Meeting, University of Florida, February 27 – 28, 2015

Co-Director (with Gerhard Schäfer), International School of Physics “General Relativity @ 99”, Physikzentrum Bad Honnef, Germany, September 14 – 19, 2014

Scientific Organizing Committee, 26th Texas Symposium on Relativistic Astrophysics, Sao Paulo, Brazil, December 2012

Scientific Organizing Committee, Relativity and Gravitation 100 Years after Einstein in Prague, Prague, Czech Republic, June 25 – 29, 2012

Scientific Organizing Committee, Bringing Black Holes into Focus: The Event Horizon Telescope, Tuscon, January 18 – 20, 2012

Scientific Organizing Committee, COSPAR Symposium on Probing Strong Gravity with Gravitational and Electromagnetic Waves, Bremen, Germany, July 18 – 25, 2010

Scientific Organizing Committee, International Astronomical Union Symposium on Relativity in Fundamental Astronomy: Dynamics, Reference Frames, and Data Analysis, Virginia Beach, USA, April 27 - May 1, 2009

Scientific Organizing Committee, Post Newton 2008 International Workshop, Jena, Germany, June 11 – 14, 2008.

Chair, Scientific Organizing Committee, Workshop on the Interface between Post-Newtonian Theory and Numerical Relativity, Washington University, February, 2007

Scientific Organizing Committee, 6th International LISA Symposium, Goddard Space Flight Center, June 19 – 23, 2006

Organizer, Workshop on Alternative Theories of Gravity, 17th International Conference on General Relativity and Gravitation, July 2004

Organizer, Workshop on Approximation Methods, 16th International Conference on General Relativity and Gravitation, July 2001

Organizer, Workshop on Experimental Tests of General Relativity: Strong Gravity and Gravitational Waves, 9th Marcel Grossman Meeting on General Relativity, Rome, July 2000

Co-Organizer, KipFest, Conference in Honor of the 60th Birthday of Kip S. Thorne, California Institute of Technology, Pasadena, June 1 – 3, 2000

Organizer, Focus Session on “Gravitational Radiation: Confronting Theory with Experiment”, American Physical Society/American Association of Physics Teachers Meeting, April 1998

Organizer, Workshop on Experimental Tests of General Relativity, 15th International Conference on General Relativity and Gravitation, December 1997

Organizer, Workshop on Experimental Tests of General Relativity, 8th Marcel Grossman Meeting on General Relativity, June 1997

Organizer, Invited Session, “Promoting Physics to the Public”, American Physical Society/American Association of Physics Teachers Meeting, May 1996

Organizer, Invited Session, “Physics, the Media and the General Public”, American Physical Society/American Association of Physics Teachers Meeting, April 1995

Organizer, Symposium on Gravitational Radiation, 17th Texas Symposium on Relativistic Astrophysics, December 1994

Organiser, Minisymposium on Gravitational Radiation, Cornelius Lanczos International Centenary Conference, December 1993

Scientific Organizing Committee, 16th Texas Symposium on Relativistic Astrophysics, December 1992

Organizer, Invited Sessions, “General Relativity: Classical, Quantum and Astrophysical”, “General Relativity: Past, Present and Future”, “Experimental Gravitation” and “Cosmology”, American Physical Society Meeting, April 1990

National Advisory Committee, Michelson-Morley Centennial Symposium, 1987

Lectureships and Summer/Winter Schools:

Summer School On Gravitational-Wave Astronomy, International Center for Theoretical Sciences, Tata Institute for Fundamental Research, Bangalore, India
July 25 – 29, 2016

The Norman M. Hulings, Jr. Memorial Lecture, University of Tulsa
March 4, 2016

The Scott Lectures, Cambridge University
October 26 – 30, 2015

Kavli Foundation Plenary Lecture, American Physical Society Meeting, Baltimore,
April 13, 2015

The Henry Primakoff Lecture, University of Pennsylvania
April 8, 2015

10th Mexican School on Gravitation and Mathematical Physics, Playa del Carmen, Mexico
December 1 – 5, 2014

James McDonnell Distinguished Lecture, Washington University
April 11 – 12, 2012

The Larry Jasper Lecture, Lifelong Learning Program, Washington University

March 20, 2012

SIGRAV Graduate School in Contemporary Relativity and Gravitational Physics, Como, Italy
May 11 – 15, 2009

Gunnar and Gunnel Källén Memorial Lecture, Lund University, Sweden
September 8, 2008

Distinguished Lecture Series, Department of Physics, Arizona State University
November 28, 2007

Troisième Cycle de la Physique en Suisse Romande, École Polytechnique Fédéral de Lausanne,
Switzerland,
September 20, 27; October 4, 11, 2007

General Relativity Trimester, Institut Henri Poincaré, Paris
September 26 – 29, 2006

International School of Astrophysical Relativity “John A. Wheeler”, Erice, Sicily
June 1 – 6, 2006

The Fred Elston Memorial Lecture, Embry-Riddle Aeronautical University, Daytona Beach
March 11, 2006

Director’s Distinguished Lectureship, Lawrence Livermore National Laboratory
December 6, 2005

Canadian Association of Physicists World Year of Physics National Lecture Tour
A series of public lectures in 21 cities across Canada (including 3 in French)
October 5 – November 19, 2005

Herzberg Memorial Lecture, Canadian Association of Physicists Congress, Vancouver
June 5, 2005

The Emilio Segré Lecture, University of California, Berkeley
October 20, 2004

The Cruikshank Lecture, University of Rhode Island
May 3, 2002

The Henry Louis Smith Lecture, Davidson College
November 9, 2000

The Thomas Gold Lectures, Department of Astronomy, Cornell University
September 25 – 28, 2000

The Kaczmarczik Lecture, Department of Physics and Atmospheric Science, Drexel University,
Philadelphia
October 1, 1998

Stanford Linear Accelerator Center Summer School: “Gravity: From the Hubble Length to
the Planck Length”
August 3 – 11, 1998

The Montgomery Lecture, Department of Physics and Astronomy, University of Nebraska
September 25, 1997

The 11th Annual Peyton N. Rhodes Lecture, Rhodes College, Memphis

September 16, 1997

The Arnold Rosenblum Memorial Lecture, Hebrew University, Jerusalem
May 13, 1997

Scottish Universities Summer School on Physics, University of Aberdeen
July 24 – 28, 1995

UPDATE (University Physics Departments and Alliances for Teacher Enhancement) Summer
Institute, University of Massachusetts
July 18 – 22, 1994

Patton L. Seifert Memorial Lecture, Montana State University
March 9, 1993

1st Iberian Meeting on Gravity, Evora, Portugal
September 21 – 26, 1992

Banff Summer Institute on Gravitation, Banff, Canada
August 12 – 25, 1990

The Philips Lecture, Haverford College, PA
November 11, 1987

The Richtmyer Memorial Lecture, American Association of Physics Teachers/American Phys-
ical Society Joint Meeting, San Francisco, CA
January 30, 1987

The Birckhead Lecture, St. Paul's School, Concord, NH
November 3, 1983

International School of Cosmology and Gravitation, Erice, Sicily
May 10 – 20, 1977

June Institute of Astronomy, University of Toronto
June 10 – 13, 1975

International School of Physics "Enrico Fermi", Course 56, Varenna, Italy
July 17 – 29, 1972

Participant:

1993 Nobel Prize Ceremonies, Stockholm,
December 7 – 11, 1993

Scientist to Scientist Colloquium, Keystone, Colorado
August 16 – 20, 1992

Ecole d'Ete de Physique Theorique, Les Houches, France,
July 30 – August 31, 1972

Montana State University Summer Workshop on General Relativity, Bozeman, Montana,
July 15 – August 28, 1971

Consultantships:

Smithsonian Astrophysical Observatory, Cambridge, Massachusetts,
June 1 – September 30, 1975

Marshall Space Flight Center, Huntsville, Alabama
July 3, 1973 – January 31, 1974

Smithsonian Astrophysical Observatory, Cambridge, Massachusetts,
May 15 – 17, 1973

Memberships:

American Academy of Arts and Sciences (Fellow)
American Association of Physics Teachers
American Astronomical Society
American Physical Society (Fellow)
Committee of Concerned Scientists
International Astronomical Union
International Society on General Relativity and Gravitation (Fellow)
National Academy of Sciences (US)
St. Louis Academy of Sciences (Fellow)
Sigma Xi