

CURRICULUM VITAE

Shing-Tung Yau (丘成桐)

ADDRESS: William Caspar Graustein Professor of Mathematics
Department of Mathematics
Harvard University
Cambridge, MA 02138, U.S.A.

BORN: Shantou, Guangdong, China, April 4, 1949

EDUCATION: Ph.D., Mathematics, University of California, Berkeley, 1971

HONORARY DEGREE:

13 June 2017	Doctor of Science, University of Alberta, Canada
11 May 2014	Doctor of Humane Letters, University of Illinois at Chicago
17 June 2011	Doctor of Mathematics, University of Waterloo, Canada
5 June 2010	Doctor of Science, National Cheng Kung University
18 May 2009	Doctor of Science, Lehigh University
15 Nov 2005	Doctor of Science, National Taiwan University.
22 May 2005	Doctor of Science, Polytechnic University in Brooklyn, New York
12 Nov 2004	Doctor of Science, Hong Kong University of Science and Technology
9 July 2004	Doctor of Science, National Central University
21 March 2003	Doctor of Science, Zhejiang University.
16 Oct 2002	Doctor of Science, Macau University
24 June 2000	Doctor of Science, National Tsing Hua University, Taiwan
June 1997	Doctor of Science, National Chiao Tung University, Taiwan
Sept. 1987	Master of Arts, Harvard University
Dec. 1980	Doctor of Science, The Chinese University of Hong Kong

RESEARCH INTERESTS:

Differential Geometry, Differential Equations and General Relativity

POSITIONS:

2019 Feb.1 – present	Distinguished Visiting Professor-at-Large, The Chinese University of Hong Kong
2017July-Present	Director, Shing-Tung Yau Center of Southeast University, Nanjing, China.
2015 – Present	Director, Yau Mathematical Sciences Center, China
Feb.2014 - present	Director of the Center for Mathematical Sciences and Applications, Harvard University
July 2013 - present	Professor of Physics, Harvard University
2008- 2012	Chair of Department of Mathematics, Harvard University
2003 – Jan.2019	Distinguished Professor-at-Large, The Chinese University of Hong Kong
2000 - Present	William Caspar Graustein Professor of Mathematics, Harvard University
2009 - 2015	Director of the Mathematical Sciences Center, Tsinghua University, China
2002 - Present	Director of the Centre of Mathematical Sciences at the Zhejiang University
1996 - Present	Director of the Morningside Center of Mathematics at Chinese Academy of Sciences
1994 - Present	Director of The Institute of Mathematical Sciences, The Chinese University of Hong Kong
1987 - Present	Professor of Mathematics, Harvard University
1997 - 2000	Higgins Professor of Mathematics (Chair Professor), Harvard University
1994 - 2003	Adjunct Professor of Mathematics, The Chinese University of Hong Kong.
1984 - 1987	Chancellor Associate Chair and Professor of Mathematics, University of California, San Diego
1979 - 1984	Professor of Mathematics, Institute for Advanced Study, Princeton University
1974 - 1979	Professor of Mathematics, Stanford University
1972 - 1973	Assistant Professor of Mathematics, State University of New York, Stony Brook
1971 - 1972	Member of the School of Mathematics, Institute for Advanced Studies, Princeton University.

VISITING PROFESSOR:

Apr.-May 2007 Visiting University of California, Los Angeles
Jan-Mar. 2007 Visiting University of California, Irvine
Fall 2004 Samuel Eilenberg Visiting Professor, Department of Mathematics, Columbia University
Jan-Jun 2002 Gordon Moore Visiting Professor, Department of Mathematics, California Institute of Technology
Fall 1998 Samuel Eilenberg Visiting Professor, Department of Mathematics, Columbia University
1996 John Harvard Fellow, Issac Newton Institute for Mathematical Sciences and Faculty of Mathematics, University of Cambridge, U.K.
1991 - 1992 Special Chair, Department of Mathematics, National Tsing Hua University, Taiwan
1991 - 1992 Wilson T.S.Wang Distinguished Visiting Professor, Department of Mathematics, The Chinese University of Hong Kong
Sept. 1990 Distinguished Visiting Professor, Department of Mathematics, State University of New York, Stony Brook
Fall 1990 Sherman Fairchild Distinguished Visiting Scholar, Department of Mathematics, California Institute of Technology
Fall 1986 Sid Richardson Centennial Chair in Mathematics and Visiting Professor, Department of Mathematics, University of Texas at Austin

ADDITIONAL AFFILIATIONS:

2009 – present Honorary Professor, Wuhan University
2009 – present Honorary Professor, Hunan Normal University
2009 – present Honorary Professor, North University of China
2009 – present Honorary Professor, Northwest University
2006 – present Honorary Professor, Huazhong University of Science and Technology
2002 – present Honorary Professor, Zhejiang University
1999 – present Honorary Professor, University of Science and Technology of China
1998 – present Honorary Professor, Beijing University
1993 – present Honorary Professor, Nankai University
1987 – present Honorary Professor, Tsinghua University, Beijing
1987 – present Honorary Professor, Hangzhou University
1983 – present Honorary Professor, Fudan University
1983 – present Honorary Professor, Chinese Academy of Sciences

AWARDS and FELLOWSHIPS:

13Oct2018 CAST-USA Extraordinary Scientist Award (Chinese Association for Science and Technology, USA)
2July2018 MG15 Award (The Fifteenth Marcel Grossmann Award)
2010 The Wolf Prize
2010 AAEOY Distinguished Science & Technology Award
2003 2003 International Scientific and Technological Cooperation Award
1997 National Medal of Science, U.S.A
1994 Crafoord Prize, The Royal Swedish Academy of Sciences
1991 Humboldt Research Award, The Alexander von Humboldt Foundation, Germany
1985 John D. and Catherine T. MacArthur Fellowship
1984 One of America's 100 brightest scientists under 40, *Science Digest*
1982 Fields Medal, International Congress of Mathematicians
1981 The John J. Carty Award for the Advancement of Science, National Academy of Sciences, U.S.A.
1981 The Oswald Veblen Prize in Geometry, American Mathematical Society
1980 Guggenheim Fellowship, John Simon Guggenheim Memorial Foundation, USA
1979 California Scientist of the Year, California Science Center
1975 - 1976 Alfred P. Sloan Fellow

MEMBERSHIPS:

July 2019	Honorary member, The Hong Kong Academy of Sciences.
Jan 2013	Fellow, American Mathematical Society
18 May	Fellow, Morningside College, The Chinese University of Hong Kong.
2009-30Jun2019	
2009	Member of the Selection Committee for Distinguished Research Achievement Award (DRAA) of the University of Hong Kong
2008	Foreign Member, Indian National Academy of Science.
2005	Foreign Member, National Academy of Lincei, Italy
July 2005	Member of the Overseas Expert Consultant Committee of Overseas Chinese Affairs Office of State Council.
2003	Foreign Member, Russian Academy of Sciences
1995	Foreign Member, Chinese Academy of Sciences
1993	Member, National Academy of Sciences, U.S.A.
1993	Fellow, American Association for the Advancement of Science
1990 -1992	Member-at-Large, Council of the American Mathematical Society
1989	Member, Scientific Advisory Council, Mathematical Sciences Research Institute
1989	Member, Board of Mathematical Sciences, National Academy of Science, U.S.A.
1985	Member, American Physical Society
1985	Member, Society for Industrial and Applied Mathematics, U.S.A
1984	Academician, Academia Sinica, Taiwan
1983	Fellow, New York Academy of Sciences
1982	Member, American Academy of Arts and Sciences
1980	Honorary Member, Academic Committee, Institute of Mathematics, Chinese Academy of Sciences, Beijing
1971	Member, American Mathematical Society

EDITORSHIPS:

Present	Editorial Boards, Editor, <u>American Journal of Mathematics</u>
2007 - present	Editors-in-Chief, <u>Communications in Number Theory and Physics</u>
2005 - present	Editors-in-Chief, <u>Pure and Applied Mathematics Quarterly</u>
2004 - present	Editor-in-Chief, <u>Dynamics of Partial Differential Equations</u>
2001 - present	Honorary Editor, <u>Communications in Information and Systems</u>
1997 -	Editorial Boards, Editor, <u>Journal of Mathematical Physics</u>
1997 - present	Editor-in-Chief, <u>Advances in Theoretical Mathematics and Physics</u>
1997 - present	Editor-in-Chief, <u>Asian Journal of Mathematics</u>
1994 - present	Editor-in-Chief, <u>Methods and Application of Analysis</u>
1994 -	Editorial Boards, Editor, <u>Advances in Mathematics</u>
1993 - present	Editorial Boards, Editor, <u>Mathematical Research Letters</u>
1993 - present	Editorial Boards, Advisor, <u>Communications in Analysis and Geometry</u>
1993 - present	Editorial Boards, Advisor, <u>Methods and Applications of Analysis</u>
1982 - 1999	Editor, <u>Communication in Mathematical Physics</u>
1981 - 1988	Editor, <u>Inventiones Mathematicae</u>
1980 - present	Editor-in-Chief, <u>Journal of Differential Geometry</u>

INVITED LECTURESHIPS:

Mar.21-23,2016	A. Everett Pitcher Lecture, Lehigh University
Nov.28-29,2015	The 16 th Takagi Lectures, The University of Tokyo, Japan.
May 18,2015	30 th Shanks Lecture, Vanderbilt University

Oct. 5, 2012 The Edmund R. Michalik Distinguished Lecture Series, University of Pittsburgh
 Jan. 17, 2012 2012 McKnight-Zame Distinguished Lecture at University of Miami
 Jan. 20-21, 2011 The Fields Institute Distinguished Lecture Series at University of Toronto
 Jul. 13, 2010 Distinguished Applied Math. Lecture at National Chiao Tung University
 Jul. 11, 2010 2010 NCTS International Conference on Several Complex Variables and Complex
 Geometry" at the National Center for Theoretical Sciences, Taiwan
 Jun. 2010 Workshop "Geometric Analysis and General Relativity" at The Banff International
 Research Station for Mathematical Innovation and Discovery (BIRS), Canada
 Nov.10, 2009 Invariants in Algebraic Geometry at The University of Tokyo, Japan
 Sept. 7-8, 2009 Keynote Speaker for the 13th IMA Conference on The Mathematics of Surfaces at York, England.
 Jun. 30, 2009 Distinguished Lecture Series Conference at Taida Institute for Mathematical Sciences
 Jun. 18, 2008 IFTP Trieste
 May 30, 2008 Scientist Forum at Yunnan, China
 May 21, 2008 80th Hirzebruch Conference, Bar Ilan University, Tel Aviv Israel
 Mar.11, 2008 IPMU Opening Symposium
 Dec. 26, 2007 Indian Mathematics Society
 Dec.17-22, 2007 International Congress of Chinese Mathematicians
 Aug. 27-31 2007 Geometrie differentielle, Physique mathematique, Mathematiques and societe, IHES France
 May 2007 Distinguished Lecture Series (DLS) 2006-2007 at UCLA.
 Jan. 2006 Brauer Lectures, The University of North Carolina at Chapel Hill.
 2005 String 2005, Fields Institute, Toronto
 May - Jun. 2005 Andrejewski Lectures, Gottingen, Germany
 Sep.-Dec. 2004 Eilenberg Lectures, Department of Mathematics, Columbia University.
 May 2004 Bloomberg Lecture, University of Texas at Austin.
 2003 Distinguished Lecture Series, Department of Mathematics, University of California, LA
 Oct. 2003 Andre Aisenstadt Chair Lecture Series, Department of Mathematics, University of Montreal
 1999 Hans Rademacher Lecture, Department of Mathematics, University of Pennsylvania
 1999 Stefan Bergman Lecture, Department of Mathematics, Stanford University
 1998 Run Run Shaw Distinguished Lecture, The Chinese University of Hong Kong
 1997 Rufus Bowen Lecture, Department of Mathematics University of California, Berkeley
 1988 American Mathematical Society Colloquium
 1983 James K. Whittemore Lecture, Department of Mathematics, Yale University
 1982 Alexander Ziwet Lecture, Department of Mathematics, University of Michigan, Ann Arbor
 1982 International Mathematical Union Lecture, Zurich, Switzerland
 1981 The 33rd British Mathematical Colloquium, London Mathematical Society
 1979 Milton Broukett Porter Lecture, Department of Mathematics, Rice University
 1978 International Congress of Mathematicians, Plenary Speaker, Helsinki, Finland