CURRICULUM VITAE

Peter Wai-Kwong Li

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Education:

B.A. in Mathematics (Summa Cum Laude), 1974, California State University, Fresno
M.A. in Mathematics, 1977, University of California, Berkeley
Ph.D. in Mathematics, 1979, University of California, Berkeley

Professional Experience:

Research Member, 1979 - April 1980, Institute for Advanced Study
Assistant Professor, 1980 - 1983, Stanford University
Associate Professor, 1982 - 1985, Purdue University
Professor, 1985 - 1989, University of Utah
Professor, 1989 - 1991, University of Arizona
Professor, 1991 - present, University of California, Irvine
Chair, 1993 -1996 and 1999 - 2001, University of California, Irvine
Chancellor's Professor, 2003 - 2013, University of California, Irvine
Professor Emeritus, 2013 - present, University of California, Irvine

Visiting Positions:

Visiting Assistant Professor, Spring 1980 and Spring 1981, University of California, San Diego
Research Member, Spring 1983, Mathematical Sciences Research Institute
Visiting Professor, Winter 1997, Hong Kong University of Science and Technology
Visiting Professor and Associate Director, Jan 1999 - July 1999, Institute of Mathematical Sciences, Chinese University of Hong Kong
Simons Professor, Sept 2006 - Dec 2006, Mathematical Sciences Research Institute

Honors:

1979 - present, Phi Beta Kappa
1982, Alfred P. Sloan Fellowship
1989, John Simon Guggenheim Fellowship
2002, Invited speaker at the International Congress of Mathematicians, Beijing
2002, Distinguished Ordway Visitor, University of Minnesota
2002, Highly Cited Researcher, Institute for Scientific Information
2007, Fellow, American Academy of Arts and Sciences
2008, Faculty Mentor Award, Department of Mathematics, UC Irvine
2012, Fellow of the American Mathematical Society

Research Interests:

Differential Geometry and Partial Differential Equations

Research Grants:

NSF - Geometric Analysis Research Grants, 1980 - 2013
NSF - Grants for the Southern California Geometric Analysis Seminar, 1991 - 1999, 2001 - 2007
Earmark Grant - University Grants Council of Hong Kong, 2000-2003 (Co-PI with Tom Wan)

Ph.D. Students:

Roger Chen, Professor at the National Cheng Kung University, Taiwan

Chiung-Jue Sung, Professor at the National Tsing Hua University, Taiwan
Jiaping Wang, Professor at the University of Minnesota
Lei Ni, Professor at the University of California, San Diego
Kwan Hang Lam, Professor at the Savannah College of Art and Design, Hong Kong
Ovidiu Munteanu, Assistant Professor at the University of Conneticut
Lihan Wang, Visiting Assistant Professor at the University of California, Riverside
Fei He, Dunham Jackson Assistant Professor at the University of Minnesota
Post-Doctoral Researchers:
Guojun Liao, Nathan Smale, Wenxiong Chen, Jingyi Chen, Andrew Stone, Tomasz Serbinowski, Seungsu Hwang, Thalia Jeffres, Oscar Perdomo, Yu Ding, Xiaofeng Sun, Detang Zhou, Nelia Charalambous, Guoyi Xu (current).

Editorial Activities:

Journals:
Editor, 1989 - 1991, Rocky Mountain Journal of Mathematics
Coordinating Editor, 1992 - 1999, (Editor, 1991 - 1992) Proceedings AMS
Editor-in-Chief, 1992 - 2002, Communications in Analysis and Geometry
Editor, 2002 - 2012, Communications in Analysis and Geometry
Associate Editor, 1997 - 2008, Journal of Geometric Analysis
Editor, 2001 - 2013, Cubo
Editor, 2006 - present, Asian Journal of Mathematics
Advisory Board, 2010 - 2013, Versita de Gruyter Book Program in Mathematics
Advisory Board, 2012 - 2013, Versita Open Access Program in Mathematics

Book:
Co-Editor (with S. Y. Cheng and G. Tian), "A Mathematician and His Mathematical Work - Selected Papers of S. S. Chern," World Scientific Series in 20th Century Mathematics, Vol. 4, Singapore-New Jersey-London-Hong Kong (1996)
Co-Editor (with Lizheng Ji, Richard Schoen, and Leon Simon), "Handbook of Geometric Analysis, Vol. I", Higher Education Press, Advanced Lectures in Mathematics, 7, Beijing (2008)
Co-Editor (with Lizheng Ji, Richard Schoen, and Leon Simon), "Handbook of Geometric Analysis, Vol. II & III", Higher Education Press, Advanced Lectures in Mathematics, 7, Beijing (2009)
Co-Editor (with Lizheng Ji, Kefeng Liu, and Richard Schoen) "Selected Expository Works of Shing-Tung Yau with Commentary" Advanced Lectures in Mathematics, 28, Vol I & II, International Press, Somerville; Higher Education Press, Beijing (2014).

American Mathematical Society Committees:

1990 - 1993, AMS-IMS-SIAM Committee on Joint Summer Research Conferences in the Mathematical Sciences
1991 - 1993, Progress in Mathematics Committee
1993 - 1996, Member-at-Large, AMS Council
1993 - 1995, Committee on Committees
1993 - 1996, Policy Committee on Meetings and Conferences
1994 - 1996, Chair, Committee on Accessibility for Handicapped
1996, Committee on Special Donations of Publications
1996, Committee to Select the Winner of the Veblen Prize
1997 - 1998, Panel for ICM-98 Travel Grants
1999 - 2000, Chair, Program Committee for the Joint AMS-HKMS meeting in Hong Kong, 2000
2001 - 2004, Books and Journal Donations Steering Committee
2001 - 2002, Chair, Panel for ICM-2002 Travel Grants
2001 - 2005, (Chair 2003 - 04), Committee on Human Rights of Mathematicians
2005 - 2006, Committee on Publications
2011 - 2012, Committee on AMS-Simons Travel Grant

National Science Foundation Committees:

Dec 1995, Site Review Committee for the Science and Technology Center for Computation and Visualization of Geometric Structures at Minneapolis

Feb 1996, NSF-DMS CAREER Panel

Jan 1997, NSF-DMS Geometric Analysis Panel

Jan 2000, NSF-DMS Research Experiences for Undergraduates Panel

Organizational Activities:

1982, Organizer, Special session on Geometry and PDE, AMS regional meeting, Santa Cruz

1985, Co-organizer with W. Meeks and K. Uhlenbeck, Special session on Differential Geometry, AMS annual meeting, Anahiem

1986, Co-organizer with R. Schoen and S. T. Yau, Special session on Differential Geometry, AMS regional meeting, Honolulu

1992, Co-organizer with R. Reilly and L. F. Tam, 1st Southern California Geometric Analysis Seminar, Irvine

1992 - present, Coordinator for the Pacific Rim Geometry Conferences

1993, Co-organizer with R. Reilly and L. F. Tam, 2nd Southern California Geometric Analysis Seminar, Irvine

1994, Co-organizer with R. Reilly and L. F. Tam, 3rd Southern California Geometric Analysis Seminar, Irvine

1995, Co-organizer with R. Reilly and L. F. Tam, 4th Southern California Geometric Analysis Seminar, Irvine

1996, Co-organizer with R. Reilly, 5th Southern California Geometric Analysis Seminar, Irvine

1997, Co-organizer with R. Reilly and R. Wentworth, 6th Southern California Geometric Analysis Seminar, Irvine

1998, Co-organizer with R. Reilly and R. Wentworth, 7th Southern California Geometric Analysis Seminar, Irvine

1998, Co-organizer with D. Austin, J. Carrell, and S.T. Yau, 4th Pacific Rim Geometry Conference, Vancouver

1999, Co-organizer with Song-Ying Li, Special session on Analysis and Geometry, AMS regional meeting, Las Vegas

1999, Scientific Committee, IMS Conference on Differential Equations from Mechanics, Hong Kong

2000, Co-organizer with Seiki Nishikawa, 5th Pacific Rim Geometry Conference, Sendai

2000, Co-organizer with Song-Ying Li, Summer Workshop in Geometric Analysis, Irvine

2000, Co-organizer with Luen-fai Tam and Tom Wan, Special Session in Geometric Analysis, Joint AMS-HKMS, Hong Kong

2002, Co-organizer with B. Chow and Z. Lu, 9th Southern California Geometric Analysis Seminar, Irvine

2002, Scientific Committee, 6th Pacific Rim Geometry Conference, Hong Kong

2003, Co-organizer with B. Chow and Z. Lu, 10th Southern California Geometric Analysis Seminar, San Diego

2003, Co-organizer with B. Chow, R. Schoen, and R. Wentworth, Workshop on Geometric Analysis, MSRI, Berkeley

2004, Co-organizer with B. Chow and Z. Lu, 11th Southern California Geometric Analysis Seminar, Irvine

2004, Scientific Committee, 7th Pacific Rum Geometry Conference, Shanghai

2005, Co-organizer with B. Chow, Z. Lu, and L. Ni, 12th Southern California Geometric Analysis Seminar, San Diego

2005, Co-organizer, International Conference in Geometry and Analysis in Celebration of Prof. Leon Simon's 60th Birthday, Center of Mathematical Sciences, Hangzhou

2006, Co-organizer with B. Chow, Z. Lu, and L. Ni, 13th Southern California Geometric Analysis Seminar, Irvine

2006-07, Co-organizer, Special year on Geometric Evolution Equations and Related Topics at Mathematical Sciences Research Institute, Berkeley

2006, Co-organizer, Introductory Workshop on Geometric Flows and Function Theory in Real and Complex Geometry, Mathematical Sciences Research Institute, Berkeley

2006, Co-organizer, Workshop on Analytic and Computational Aspects of Elliptic and Parabolic Equations, Mathematical Sciences Research Institute, Berkeley
2007, Co-organizer with B. Chow, Z. Lu, and L. Ni, 14th Southern California Geometric Analysis Seminar, San Diego
2007, Scientific Committee, 4th International Congress of Chinese Mathematicians, Hangzhou
2008, Co-organizer, Geometry and Analysis: Present and Future - A Conference on the Occasion of the 59th Birthday of Shing-Tung Yau, Harvard
2010, Scientific Committee, 5th International Congress of Chinese Mathematicians, Beijing

Other Professional Activities:

1998, Executive Officer - Executive Committee, 1st International Congress of Chinese Mathematicians, Beijing
1998 - 2006 (Chair), 2006- present, Board of Directors, International Science Foundation in Cambridge
2004 - present, Fellow - World Innovation Foundation
2007, Selection Committee - ICCM International Cooperation Award
2008 - present, Board of Directors, Foundation for Scientists of Chinese Descendants, Hong Kong
2011 - 2013, Selection Committee - Shiing-Shen Chern Distinguished Lecture, Mathematical Sciences Center, Tsinghua University, Beijing, China

Invited Addresses:

April 1979, Geometry of the Laplace Operator, Hawaii
April 1983, Colloquium in Honor of Laurent Schwartz, Paris, France
June 1983, Mid-West Geometry Conference, West Lafayette
Sept 1983, Mid-West P.D.E. Seminar, West Lafayette
Aug 1984, Geometry, Topology, and Relativity Conference, San Diego
Feb 1985, Geometry Conference, New Orleans
Oct 1985, Pacific Northwest Geometry Seminar, Salt Lake City
Oct 1986, AMS Regional Meeting Hour Address, Logan
June 1988, Probability Theory and Geometry, Edinburgh, United Kingdom
June 1988, Global Differential Geometry and Analysis, Irsee, Germany
July 1988, The IXth Congress of the International Association of Mathematical Physics, Swansea, United Kingdom
Sept 1988, Workshop on Differential Geometry, Hamilton, Canada
Aug 1989, 4th Korea Institute of Technology Mathematics Workshop, Taejon, Korea
Aug 1989, Daewoo Workshop, Seoul, Korea
July 1990, AMS Summer Institute on Differential Geometry, Los Angeles
July - Aug 1990, MSRI Summer Program on Geometric Analysis, Berkeley
Dec 1990, Osaka Conference on Complex Geometry and Related Topics, Osaka, Japan
April 1991, Southern California Analysis and Partial Differential Equations Conference, San Diego
May 1991, Pacific Northwest Geometry Seminar, Seattle
June 1992, Geometry Conference, National Tsing Hua University, Taiwan
June 1992, Lecture Series, Global Analysis Research Center, Seoul, Korea
Dec 1992, Conference on Geometric Analysis for the Pacific Rim, Hong Kong
June 1993, Conference in Honour of Jean-Pierre Kahane, Orsay, France
July 1993, Summer Research Institute, Sendai, Japan
April 1994, Workshop on Harmonic Maps, Minimal Submanifolds and Rigidity Questions, Berkeley
May 1994, Third Gokova Geometry and Topology Conference, Gokova, Turkey
June 1994, Conference on Diffusion Theory and Analysis, Evanston
Sept 1994, Workshop on Non Compact Manifolds and Asymptotic Invariants, Montreal, Canada
Sept 1994, Lecture Series, Special Year in Geometry, Tianjin, China
Dec 1994, 2nd Pacific Rim Geometry Conference, Singapore
July 1995, Workshop on Geometry, Topology and Quantum Field Theory, Hong Kong
July 1995, Workshop on Differential Geometry and Stochastic Analysis, Coventry, United Kingdom
Oct 1995, Workshop in Geometric Analysis, College Station

May 1996, JDG Conference on Geometry and Topology, Cambridge

May 1996, Distinguished Speaker at Assembly of the School of Natural Sciences, California State University at Fresno, Fresno

Sept 1997, Frontiers Lecture Series, College Station

March 1998, Workshop on Geometric Stochastic Analysis and Fine Properties of Stochastic Processes, Berkeley

June 1998, Plenary Address - 4th Pacific Rim Geometry Conference, Vancouver, Canada

July 1998, Workshop on Geometric Analysis, Hong Kong

Dec 1998, Plenary Address - 1st International Congress of Chinese Mathematicians, Beijing, China

March 1999, Conference in Differential Geometry, National Center of Theoretical Sciences, Hsinchu, Taiwan

March 2000, Memphis Lectures in Mathematics, Memphis

July 2000, Plenary Address - 5th Pacific Rim Geometry Conference, Sendai, Japan

May 2001, London Analysis Seminar, London, United Kingdom

August 2001, Thematic Programme in Nonlinear Partial Differential Equations, Vancouver, Canada

Nov 2001, Mount Baldy Conference, Pomona

March 2002, Hong Kong Geometry Colloquium, Hong Kong

August 2002, International Congress of Mathematicians, Beijing

Sept 2002, Yamabe Memorial Lecture, Minneapolis

Sept 2002, Yamabe Memorial Symposium, Minneapolis

Dec 2002, Plenary Address - 6th Pacific Rim Geometry Conference, Hong Kong, China

April 2004, 3rd annual Bloomington Geometry Workshop, Bloomington

June 2004, JDG Lehigh Geometry/Topology Conference, Bethlehem

Dec 2004, Plenary Address - 3rd International Congress of Chinese Mathematicians, Hong Kong

June 2005, International Conference in Calculus of Variations and Nonlinear Partial Differential Equations, Center of Mathematical Sciences, Hangzhou

Feb 2006, Pacific Northwest Geometry Seminar, Stanford

July 2006, Minicourse - Geometry Summer School, Salvador, Brazil

June 2007, International Conference on Geometric Analysis, Taipei, Taiwan

Aug 2008, Geometry and Analysis: Present and Future - A Conference on the Occasion of the 59th Birthday of Shing-Tung Yau, Harvard University, Cambridge

June 2010, Plenary Address Joint American Mathematical Society and Mexican Mathematical Society meeting, Berkeley