

# CURRICULUM VITAE

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1971

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Participant, NSF Summer Mathematics Research Program, 1968  
Highest University Honors and College Honors, 1971  
Crown-Zellerbach Foundation Graduate Fellow, 1971

National Science Foundation Graduate Fellow, 1971-1974  
Woodrow Wilson Foundation Designate, 1971  
Visiting Professor, Universite de Paris-Sud, 1977  
UCLA Alumni Foundation Distinguished Teaching Award, 1979  
Visiting Professor, Princeton University, 1980  
Visiting Fellow, Institute for Advanced Study, 1981  
Visiting Professor, Uppsala University, 1984  
Visiting Professor, Beijing University, 1984  
Visiting Professor, University of Umeå, 1986  
Visiting Professor, University Autonoma de Madrid, 1986  
Visiting Professor, Mittag-Leffler Institute, 1988  
Visiting Professor, Universite Paul Sabatier, 1988  
Principal Speaker, Complex Analysis Conference, Cetraro, 1989  
Head of Organizing Committee, AMS Summer Institute,  
Santa Cruz, 1989  
Chauvenet Prize of the MAA, 1992  
Principal Speaker, CBMS Conference, George Mason  
University, 1992  
Principal Speaker, Southeastern Functional Analysis  
Meeting, 1993  
Visiting Professor, Politecnico Torino, 1993  
Principal Speaker, AMS Summer Research Institute on  
Operator Theory, 1993  
Beckenbach Prize of the MAA, 1994  
Kemper Foundation Education Grant, 1994  
Principal Speaker, NATO Conference on Several  
Complex Variables, Edinburgh, 1995  
Richardson Fellow, Australian National University, 1995

Visiting Professor and Organizer of Special Year,  
 Mathematical Sciences Research Institute, 1995-1996  
 Organizer, Conference on Current Issues in Modern  
 Issues of Mathematics Teaching, MSRI, 1996  
 Organizer and Principal Lecturer, Conference on Several  
 Complex Variables, Pohang Institute of Science  
 and Technology, Korea, 1997  
 Frontiers Speaker, Texas A&M, 1997  
 Organizer and Principal Lecturer, Conference in Honor of  
 Lars V. Ahlfors, Stanford University, 1997  
 "Outstanding Academic Book Award", Current Review for  
 Academic Libraries, 1998.  
 Nagle Memorial Lecturer, University of South Florida, 1998  
 Organizer and Principal Lecturer, Conference on Several  
 Complex Variables, Seoul National University, 1998  
 Organizer, Holomorphic Mappings Conference and Workshop,  
 American Institute of Mathematics 2000  
 Distinguished Lecturer, Allegheny College, 2001.  
 Court Lecturer, Mathematical Association of America, 2002.  
 Principal Speaker, Discrete Geometry Conference, Tallahassee, 2002.  
 Principal Speaker, MER Workshop, St. Louis, 2002.  
 Court Lecturer of the MAA, 2003  
 Discrete Geometry Conference, Tallahassee, 2003  
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 Distinguished Lecturer, MAA Meeting, Claremont, 2003  
 Distinguished Lecturer, Bowdoin College, 2003  
 Oregon State University (Arvid Longseth Lecturer), 2004  
 MSRI/Evans lecture series, 2004  
 Circles Lecturer, San Jose State, 2005  
 Principal Lecturer, Annual AMS/MAA meeting in Atlanta, 2005  
 Principal Lecturer, MAA Regional Meeting, Moraga, 2005  
 Principal Lecturer, SEAM Meeting, William & Mary College, 2005  
 Judge, Siemens-Westinghouse Science Fair, 2005  
 Principal Speaker, Edinboro Univ. of Pennsylvania, 2006  
 Principal Organizer, Conference at PIMS in Banff, 2006  
 Principal Organizer, Conference at Banach Center, 2007

Principal Speaker, Conference at Poincare Center to Honor G. M. Henkin, 2007  
Faculty Mentor Award, Washington University, 2007  
Editor, special issue of *Complex Variables and Elliptic Equations*  
Chief Editor, *Notices of the AMS*, 2010-2015  
Plenary Speaker, Buckeye Symposium, Wooster, Ohio, 2010  
Buckingham Scholar, Miami University in Oxford, Ohio, 2010  
Thirty-Eighth Biennial Convention of Kappa Mu Epsilon, Harris-Stowe  
State University, Principal Speaker, 2011  
Math Retreat, University of Wisconsin, Eau Claire, Principal Speaker, 2011  
Conference to honor S. G. Krantz for his 60th birthday and  
J. E. Fornæss for his 65th birthday, 2011v  
Principal Organizer and Principal Speaker, Conference  
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AMS Fellow, 2012  
Honorable Mention in “Who’s Who in Academia”

**Academic Positions Held:** Assistant Professor, UCLA, 1974-1981  
Associate Professor, Pennsylvania State  
University, 1981-4  
Professor, Pennsylvania State University, 1984-7  
Professor, Washington University, 1986 - present.

## BIBLIOGRAPHY

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### Published, Accepted, or Completed Papers

1. Optimal Lipschitz and  $L^p$  regularity for the equation  $\bar{\partial}u = f$  on strongly pseudo-convex domains, *Math. Annalen* 219(1976), 233–260.
2. Structure and interpolation theorems for certain Lipschitz spaces and estimates for the  $\bar{\partial}$ -equation, *Duke Math. J.* 43(1976), 417–439.
3. Optimal Lipschitz and  $L^p$  estimates for the equation  $\bar{\partial}u = f$  on strongly pseudo-convex domains, *Bull. Amer. Math. Soc.* 82(1976), 51–52.
4. Intrinsic Lipschitz classes on manifolds with applications to complex function theory and estimates for the  $\bar{\partial}$  and  $\bar{\partial}_b$  equations, *Manuscripta Math.* 24(1978), 351–378.
5. Smoothness of harmonic and holomorphic functions, *Proc. Symp. Pure Math.*, Vol. 35 (1979) (S. Wainger and G. Weiss, eds.), 63–67.
6. Characterizations of various domains of holomorphy via  $\bar{\partial}$ -estimates and applications to a problem of Kohn, *Illinois J. Math.* 23(1979), 267–285.
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10. Finite type conditions and elliptic boundary value problems, *Jour. Diff. Eq.* 34(1979), 239–260.
11. (with John Erik Fornæss) Continuously varying peaking functions, *Pac. Jour. Math.* 83(1979), 341–347.
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14. (with R. E. Greene) Stability properties of the Bergman kernel and curvature properties of bounded domains, *Recent Developments in Several Complex Variables* (J. E. Fornæss, ed.), Princeton University Press (1979), 179–198.
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17. Holomorphic functions of bounded mean oscillation and mapping properties of the Szegő projection, *Duke Math. Jour.* 47(1980), 743–761.
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## GRADUATE STUDENTS DIRECTED

Jeffrey Hanock, M.A., 1978  
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Lina Lee, Ph.D., 2007.  
Bennett Standeven, Ph.D., 2009.  
Baili Min, Ph.D., 2011.  
Liwei Chen, Ph.D., 2015.  
Bingyuan Liu, Ph.D., 2015.



## INVITED LECTURES GIVEN

- 1975 Claremont Graduate School  
American Mathematical Society Summer Institute on  
Several Complex Variables  
University of California at Santa Cruz
- 1976 University of California at Berkeley  
California Institute of Technology
- 1977 Universite de Paris-Sud Several Complex Variables Seminar  
Universiteë de Paris-Sud Harmonic Analysis Seminar
- 1978 American Mathematical Society Summer Institute on  
Harmonic Analysis
- 1979 Princeton Conference on Several Complex Variables  
Claremont Graduate School  
Principal Speaker, regional MAA Conference, U. C. Riverside  
California State Polytechnic University, San Luis Obispo  
South California Functional Analysis Seminar

- 1980 Claremont Colleges  
University of California at Berkeley  
Michigan State University  
University of South Carolina  
University of North Carolina  
University of Tennessee  
University of New Mexico  
University of Chicago  
DePaul University  
University of Kentucky  
Washington University  
Princeton University  
Institute for Advanced Study  
University of Arkansas  
University of California at Davis  
Matematisches Forschungsinstitut Oberwolfach
- 1981 University of North Carolina  
American Mathematical Society meeting in Pittsburgh  
Princeton University
- 1982 American Mathematical Society meeting in Bryn Mawr  
American Mathematical Society meeting in Madison  
University of Toronto
- 1983 Rutgers University  
King's College  
Matematisches Forschungsinstitut Oberwolfach

- 1984    University of Uppsala  
Mittag-Leffler Institute  
Swedish Mathematics Society  
University of Oslo  
Bryn Mawr College  
Peking University  
Stanford University  
University of California at Berkeley  
Johns Hopkins University  
University of Maryland  
Washington University
- 1985    University of Pittsburgh  
Tulane University  
Lehigh University  
Princeton University  
University of North Carolina  
University of Georgia  
Lehigh University  
University of Chicago
- 1986    Florida International University  
University of South Carolina  
University of Maryland (principal speaker, complex  
analysis year)  
University of Umeå  
University of Trondheim  
Swedish Mathematical Society  
University Autonoma de Madrid  
Purdue University

- 1987    University of California at Berkeley  
Stanford University  
University of California at Santa Cruz  
University of Illinois at Urbana  
Princeton University  
Matematisches Forschungsinstitut Oberwolfach  
Texas A& M University  
Rice University  
Indiana University  
International Conference on Mathematical Modeling  
Stanford University
- 1988    University of North Carolina  
University of Arkansas  
University of Kansas  
University of Massachusetts at Amherst  
Mittag-Leffler Institute  
Swedish Mathematical Society  
University of Umeå  
Universite Paul Sabatier  
Universite de Bordeaux
- 1989    University of Wisconsin, Eau Claire  
Purdue University  
Univ. of Notre Dame  
Int'l Complex Analysis Conference, Cetraro, Italy  
Kansas State University  
Wichita State University

- 1990 Temple University  
University of Toronto  
Oregon State University  
University of Washington  
Indiana University  
Southern Illinois University  
Mathematisches Forschungsinstitut Oberwolfach  
National Academy of Sciences “Frontiers of Science” Forum
- 1991 University of Maryland  
Brown University  
Yale University  
University of Michigan  
Cornell University
- 1992 University of North Florida  
University of California at San Diego  
St. Louis University  
George Mason University (10 lectures)  
Universite de Paris VI  
University of Michigan  
Oklahoma State University  
Indiana University  
University of Massachusetts

- 1993 Southeastern Functional Analysis Conference  
Politecnico Torino  
University of Florence  
University of Rome  
Summer Research Institute on Operator Theory, Seattle  
University of Arkansas  
Oregon State University  
Wichita State University
- 1994 Clemson University  
University of Cincinnati  
Northwestern University  
Univ. of Illinois, Chicago  
Geometry Conference, Cetraro, Italy  
Univ. of Missouri, Rolla  
Univ. of Chicago  
Univ. of Maryland
- 1995 AMS Special Session, San Francisco  
University of Edinburgh  
Meramec College  
Australian National University  
MacQuarie University  
University of Adelaide  
University of Sydney  
AMS Special Session, Burlington  
University of Washington, Seattle  
University of California at Berkeley

- 1996    Mathematical Sciences Research Institute  
           University of California at Berkeley (colloquium)  
           University of California at Berkeley (seminar)  
           Oregon State University  
           Virginia Polytechnic Institute (“Students’ Choice Lecturer”)  
           Rose-Hulman Institute of Technology  
           University of Tennessee (Distinguished Speaker Series)
- 1997    Special Session on Complex Analysis, AMS Nat’l. Meeting in Seattle  
           Special Session on Geometry, AMS Nat’l. Meeting in Seattle  
           University of Central Arkansas  
           Hendrix College  
           Ohio State University  
           University of Missouri, Columbia  
           Pohang Institute of Technology, Korea  
           Conference in Memory of Lars V. Ahlfors, Stanford  
           Boston College  
           Texas A&M  
           Stanford University
- 1998    University of S. Florida  
           Indiana University  
           Butler University  
           Principal Speaker, Conference on Function Spaces  
               SIUE Edwardsville  
           University of North Carolina  
           Principal speaker, Hayama (JAPAN) Conference on Complex Geometry  
           Principal speaker and organizer, Korean Several  
               Complex Variables Conference, Seoul

1999 University of Maryland  
 UCLA  
 University of Wyoming  
 Special Session, AMS, Salt Lake City  
 2000 Special Session, AMS, Washington, D.C.  
 Department of Mathematics, Michigan State University  
 Computational Biology Group, Michigan State University  
 Carleton College  
 University of Sardinia, Italy  
 University of Florence, Italy  
 University of Rome II, Italy  
 Conference at Lake Como, Italy  
 2001 Distinguished Lecturer, Allegheny College  
 University of Arkansas  
 Seoul National University  
 2002 MEGSL Conference, St. Louis  
 Court Lecturer of the MAA  
 Discrete Geometry Conference, Tallahassee  
 Functional Analysis Conference, Edwardsville  
 Distinguished Lecturer, MAA Meeting, Claremont  
 2003 Penn State University  
 Bowdoin College



- 2004 Di Giorgi Institute, Pisa, Italy  
 American Cleft Palate-Craniofacial Association, Chicago  
 lecture delivered by collaborator Alex Kane  
 Oregon State University (Arvid Longseth Lecturer)  
 Work in Teams, Banff International Research Station  
 University of Missouri at Rolla  
 Stanford University  
 University of Washington  
 University of Santa Clara  
 University of California, Irvine  
 MSRI/Evans lecture series
- 2005 Principal Lecturer, Annual AMS/MAA meeting in Atlanta  
 American Cleft Palate-Craniofacial Association, Myrtle Beach  
 lecture delivered by collaborator Petra Jacobsen  
 Principal Lecturer, MAA Regional Meeting, Moraga  
 San Jose State University Math Adventures Lecture  
 Principal Lecturer, SEAM Meeting, William & Mary College  
 Colloquium, Univ. of Santa Clara, 2004  
 Sarason seminar, U. C. Berkeley, 2004  
 Evans/Christ seminar, U. C. Berkeley, 2005  
 Colloquium, U. C. Berkeley, 2005  
 Sarason seminar, U. C. Berkeley, 2005
- 2006 AAAS Symposium  
 Colloquium, Fresno State University
- 2007 Colloquium, Tulane University  
 Colloquium, UC Santa Cruz  
 Colloquium, Stanford University  
 Organizer, Conference at Banach Center

- 2008 Colloquium, San Francisco State University  
 Colloquium, Kansas State University  
 Stanford University Logic Seminar  
 Colloquium, Purdue University
- 2009 Colloquium, Purdue University  
 Seminar, Purdue University  
 Colloquium, University of Pittsburgh  
 Seminar, University of Michigan  
 “What Is?” seminar, University of Michigan  
 Colloquium, University of Michigan  
 Schrödinger Institute of Theoretical Physics
- 2010 University of Notre Dame  
 Miami University in Oxford, Ohio  
 St. Francis College
- 2011 Harris Stowe College  
 University of Wisconsin in Eau Claire  
 Chapman University
- 2012 AMS Special Session on Learning Analysis  
 Fields Institute of Mathematics Plenary Talk
- 2014 Plenary Speaker at MAA meeting, SIUE Edwardsville  
 Principal Speaker, Conference on Function Spaces  
 SIUE Edwardsville
- 2015 Distinguished Speaker, University of Central Florida  
 Knox College
- 2016 Plenary Speaker, SIU Mathematics Conference, Carbondale  
 Colloquium Speaker, University of California at Riverside
- 2018 Colloquium Speaker, Georgetown University  
 Keynote speaker, MAA meeting, Hofstra University

## GRANTS AND OUTSIDE SUPPORT

- 1975 - 2006: National Science Foundation Summer Research Grant  
1983: Research Initiation Grant at Pennsylvania State University  
1987: Mathematical Research Equipment Grant from the National Science Foundation  
1988: Biological Research Grant from Washington University  
1988: Graduate Education Grant in Areas of National Need from the Department of Education  
1989: Special Projects Grant from the National Science Foundation for the 1989 American Mathematical Society Summer Research Institute  
1989-96: Undergraduate Research Experience Grant from the National Science Foundation  
1992-93: Fund for the Improvement of Post-Secondary Education Grant for developing the book *How to Teach Mathematics*  
1993-4: Kemper Foundation Grant for Developing a Course on Problem Solving at Washington University and an accompanying text  
1996-8: Group Infrastructure Grant, National Science Foundation  
1996-1998: Group Research Grant in Analysis  
1999: SEGR Grant, National Science Foundation  
1999-2001: NSF Summer Research Grant  
2000: SEGR Grant, National Science Foundation  
2000: Grant to run Holomorphic Mappings Conference, National Science Foundation  
2000: National Need Grant, Department of Education  
2001-2003: NSF Summer Research Grant  
2002: National Need Grant, Department of Education  
2005: Research Grant from Dean of Graduate School at Washington University  
2007: NSF Grant to run conference at Banach Center  
2012: NSF Grant to run conference at Fields Institute

## OTHER ACTIVITIES

Reviewer for *Mathematical Reviews*

Reviewer for *Zentralblatt für Mathematik*

Referee for the National Science Foundation

Referee for

*Annals of Mathematics,*

*Proceedings of the American Mathematical Society,*

*Duke Journal of Mathematics,*

*Pacific Journal of Mathematics,*

*Annali Scuola Norm. Sup. Pisa,*

*Indiana Journal of Mathematics,*

and other journals

Panel member, NSF Centers of Science and Technology Program, 1989

Panel member, NSF Instrumentation and Laboratory Improvement Grant Program, 1992

Panel member, NSF Calculus and First Two Years Teaching Grant Program, 1993

Panel member, NSF Curriculum Development Program, 1994

Associate Editor, the *NEW Notices* of the AMS, 1995-

Associate Editor Committee, *American Mathematical Monthly*, 1996-

Associate Editor, *Complex Variables*, 1994-present

Member at Large of Council of the American Mathematical Society, 1993-1995

Member of the Executive Committee of the American Mathematical Society, 1995-1999

Appointed Executive Committee representative to the AMS Council, 1996-1999

Member, AMS Committee on Publications, 1995-1998.

Chairman of the AMS Committee on Publications, 1995-1996

Chairman of the AMS President's Taskforce on Electronic Journals, 1995

Chairman of the AMS Long Range Planning Committee, 1997-2000

Chief Editor of the Carus Monograph Series for the MAA, 1997-2000

Member of outside review committee, Univ. of Oregon

Editorial Consultant for Harper & Row, Wadsworth, Saunders,  
 John Wiley and Sons, Addison-Wesley, Benjamin Cummings,  
 Springer Verlag

Founder and Consulting Editor, CRC Press *Studies in Advanced Mathematics* Book Series

Founder and Managing Editor, *Journal of Geometric Analysis*

Editor-in-Chief, *Journal of Mathematical Analysis and Applications*, 2000–

Founder and Managing Editor, Complex Analysis and its Synergies

Editorial Board, Journal of Humanistic Mathematics.

Software Consultant, Natoli Engineering

Panel Member, AMS Forum on Employment, 1995

Panel Member, Forum on How to Give a Lecture, AMS, 1996

Panel Member, Forum on Set Theory and Logic, AMS, 1996

Member, Board of Advisors, American Institute of Mathematics, 1997–

Member, Putnam Exam Problems Committee of the MAA, 1998–2000

Member of Research Group to Develop Computer Graphic Tools in Aesthetic Rhinoplasty, 1996–

Helped revise the Math Reviews Subject Classification System, 1999

Chairman, Department of Mathematics, Washington University in St. Louis, 1999–2004  
Natural Sciences Division Head, Washington University in St. Louis, 2002–  
Member, Panel to Discuss Future of Harmonic Analysis, Edwardsville, 2002  
Member of Research Group to Study Unicoronal Synostosis  
Editor, Birkhäuser Advanced Texts series  
Editor, Walter Rudin Series of Advanced Texts for McGraw-Hill Publishing  
Member of Editorial Board, *Notices of the AMS*, 2004–  
Book Review Editor, *Notices of the AMS*, 2004–  
Member of Book Review Board, *Bulletin of the AMS*, 2003–  
Deputy Director, American Institute of Mathematics, 2006–2008  
Member of the AMS Committee on Committees, 2008–  
Managing Editor of the Notices of the AMS, 2010–2015  
Associate Editor, *Complex Variables and Elliptic Equations*  
Associate Editor, *Bulletin of the American Mathematical Society*  
Associate Editor, *American Mathematical Monthly*  
Editor-in-Chief, *Methods of Complex Analysis*  
Member of Outside Review Committee, University of South Florida, 2010

## REFERENCES

- Steven R. Bell, Department of Mathematics, Purdue University, West Lafayette, Indiana 47907-2067
- John Erik Fornæss, Department of Mathematics, University of Michigan, Ann Arbor, Michigan 48109-1109
- Robert E. Greene, Department of Mathematics, University of California at Los Angeles, Los Angeles, California 90095-1555
- Kang-Tae Kim, Department of Mathematics, Pohang University of Science and Technology, Pohang, SOUTH KOREA
- Harold R. Parks, Department of Mathematics, Oregon State University, Corvallis, Oregon 97331-4605
- Yum-Tong Siu, Department of Mathematics, Harvard University, Cambridge, Massachusetts 02138-2901