

# Curriculum Vitae

**Susanne C. Brenner**

Department of Mathematics and  
Center for Computation and Technology  
Louisiana State University  
Baton Rouge, LA 70803  
225-578-8108 (Office) 225-578-4276 (FAX)  
<https://www.math.lsu.edu/~brenner>  
e-mail: [brenner@math.lsu.edu](mailto:brenner@math.lsu.edu)

## Education

Ph.D.	The University of Michigan, 1988	(Mathematics)
M.S.	The University of Michigan, 1985	(Applied Mathematics)
M.A.	State University of New York at Stony Brook, 1982	(Mathematics)
	Universität Tübingen, 1980-1981	(Mathematics and German)
B.S.Ed.	West Chester State College, 1980 (summa cum laude)	(Mathematics and German)

## Employment

2017–present	Louisiana State University System Boyd Professor
2015–2017	Nicholson Professor
2010–2015	Michael F. and Roberta Nesbit McDonald Professor
2008–present	Associate Director for Academic Affairs, Center for Computation & Technology, Louisiana State University
2008–present	Core Computational Science Focus Area Lead, Center for Computation & Technology, Louisiana State University
2006–present	Professor, Center for Computation & Technology and Dept. of Mathematics, Louisiana State University
2005–2006	Associate Chair, Dept. of Mathematics, University of South Carolina
2002–2004	Assistant Chair, Dept. of Mathematics, University of South Carolina
1999–2007	Professor, Dept. of Mathematics, University of South Carolina
1993–1999	Associate Professor, Dept. of Mathematics, University of South Carolina
1990–1993	Assistant Professor, Dept. of Mathematics, Clarkson University
1988–1989	Teaching Postdoc, Dept. of Mathematics, Syracuse University

## Member, Editorial Boards

Current

- *Mathematics of Computation*, 1993–present (Editor, 2006–2011 and 2024–present; Managing Editor, February 1, 2012–January 31, 2024)

- *SIAM Journal on Numerical Analysis*, 1997–2002, 2005–present
- *Numerische Mathematik*, 1998–present
- *Electronic Transactions on Numerical Analysis*, 2000–present
- *Journal of Numerical Mathematics*, 2013–present
- *SIAM Classics in Applied Mathematics*, 2011–present (Editor-in-Chief, 2018–present)
- *Computational Methods in Applied Mathematics*, 2019–present
- *Results in Applied Mathematics*, Honorary Editor, 2020–present

#### Past

- *Notices of the American Mathematical Society*, 2001–2015
- *Applied Numerical Analysis and Computational Mathematics*, 2003–2005
- *Journal of Numerical Analysis, Industrial and Applied Mathematics*, 2006–2012
- *Journal of Computational and Applied Mathematics*, 2007–2017 (Principal Editor 2007–2010)
- *Advances in Numerical Analysis*, 2008–2012
- *International Journal of Pure and Applied Mathematics*, 2009–2012
- *International Journal of Numerical Analysis and Modeling, Series B*, 2010–2015
- *Numerical Algorithms*, 2012–2024
- *SIAM Spotlights*, 2014–2018
- *Acta Applicandae Mathematicae*, Corresponding Editor, 2021–2024

### Member, Professional Organizations

- American Association for the Advancement of Science
- American Mathematical Society
- Association for Women in Mathematics
- Society for Industrial and Applied Mathematics
- United States Association for Computational Mechanics

### Selected International Service

- Selection Committee on Numerical Analysis, International Congress of Basic Sciences 2024
- Scientific Advisory Board, Weierstrass Institute, Berlin, 2021–present
- SIAM President, 2021–2022
- Board, International Council for Industrial and Applied Mathematics (ICIAM), 2021–2022
- AWM-SIAM Kovalevsky Lecture Committee, 2018–2020 (Chair 2020)
- Scientific Advisory Board, Hausdorff Center for Mathematics, University of Bonn, 2017–present

- Secretary, Graduate Research Assistantships in Developing Countries (GRAID) Program, International Mathematics Union, 2016–2018
- Conseil Scientifique, Société de Mathématiques Appliquées et Industrielles (SMAI), 2014–2020
- Scientific Council, Centre International de Mathématiques Pures et Appliquées (CIMPA), 2009–2016

### **Selected US National Service**

- Member-at-Large, American Association for the Advancement of Science (Section A), 2017–2021
- Advisory Committee for Mathematical and Physical Sciences, National Science Foundation, 2016–2022
- AMS Council, 2012–2024
- National Advisory Committee, Statistical and Applied Mathematical Sciences Institute, 2010–2013

### **Selected Awards and Honors**

2026	ICM Invited Speaker
2025	Blaise Pascal Medal (European Academy of Sciences)
2025	William Benter Distinguished Lecture (City University of Hong Kong)
2024	Feng Kang Distinguished Visiting Professor, Chinese Academy of Sciences
2023	Humboldt Forschungspreis (Senior Humboldt Research Award) Reinvitation
2020	AWM Fellow
2017	Louisiana State University System Boyd Professorship
2017	Householder Lecture (University of Tennessee and ORNL)
2017	SEC Faculty Achievement Award
2015–2018	Infosys Visiting Chair Professor (Indian Institute of Science, Bangalore)
2013	Babuška Lecture (MAFELAP)
2013	AMS Fellow (Inaugural Class)
2012	AAAS Fellow
2011	Sonia Kovalevsky Lecture (AWM-SIAM Prize)
2010	SIAM Fellow (First Nominated Class)
2009	Professeur Invité, Université de Paris VI
2009	Overseas Visiting Professor, Chinese Academy of Sciences
2005	Humboldt Forschungspreis (Senior Humboldt Research Award)
2002	Professeur Invité, Université de Valenciennes
2000	Research Professor, Mathematical Sciences Research Institute, Berkeley

1998	London Mathematical Society Invited Lecturer (July) (Imperial College, University of Leeds, University of Loughborough)
1987–1988	Horace H. Rackham Predoctoral Fellowship, The University of Michigan
1986	Outstanding Teaching Award, The University of Michigan
1980–1981	German Academic Exchange Service (DAAD) Fellowship, Universität Tübingen
1980	Graduated summa cum laude, West Chester State College
1978	German Academic Exchange Service (DAAD) Scholarship, Schwäbisch Hall

### **Member, International Review Panels**

- Deutsche Forschungsgemeinschaft (DFG) Excellence Initiative Panel (five panels)
- Deutsche Forschungsgemeinschaft (DFG) Special Priority Program Panel (two panels)
- European Research Council Advanced Grant Panel (four panels)
- French Investissements d’Avenir “Laboratoires d’excellence” (three panels)

### **Member, US National Review Panels**

- NSF-CBMS Regional Research Conference (three panels)
- NSF Research Planning Grants and Career Advancement Awards for Women and Minorities (one panel)
- NSF Group Infrastructure Grants (one panel)
- NSF REU Sites (four panels)
- AWM Travel Grants Selection Committee (two panels)
- DOE ASCI Site Visit (one panel)
- NSF CAREER (four panels)
- NSF Interdisciplinary Grants in the Mathematical Sciences (two panels)
- NSF-DUE Course Curriculum and Laboratory Improvement (one panel)
- NSF Research Training Group (one panel)
- DOE SciDAC (one panel)
- NSF Numerical PDEs (two panels)
- NSF Mathematical Sciences Postdoctoral Research Fellowship (one panel)

### **Selected Conference Organization**

- Co-Organizer of Finite Element Circus, 2012–2023

#### Organizing Committees

- Fully Nonlinear PDEs, Oberwolfach, Germany, June 28–July 2, 2021
- Celebrating 75 Years of Mathematics of Computation, ICERM, November 1–3, 2018
- Multiscale Problems: Algorithms, Numerical Analysis and Computation, Trimester Program, Hausdorff Research Institute for Mathematics, Bonn, Germany, January 3–April 21, 2017 (Co-Organizer)

- Numerical Methods on Nonlinear Problems, Tsinghua Sanya International Mathematics Forum, China, January 11–16, 2016
- Advanced Computational Engineering, Oberwolfach, Germany, September 27–October 3, 2015
- IMA Special Workshop: WhAM! A Research Collaboration Workshop for Women in Applied Mathematics: Numerical Partial Differential Equations and Scientific Computing, August 12–15, 2014
- Theory and Applications of Discontinuous Galerkin Methods, Oberwolfach, Germany, February 20–24, 2012
- Simulating Our Complex World: Modeling, Computation and Analysis, IMA Annual Program, Minneapolis, September 2010–June 2011 (Co-Chair)
- Workshop “Metamaterials: applications, analysis and modeling” Institute for Pure and Applied Mathematics, January 25–29, 2010
- Nonstandard Finite Element Methods, Oberwolfach, Germany, August 10–16, 2008

#### Scientific Committees

- The International Scientific Committee for Domain Decomposition, 2011–present
- Copper Mountain Conference on Multigrid methods, 2005–2025
- Singular Days (Journées Singulières): 10-th, Nice, France, November 2–4, 2022; 9-th Kassel, Germany, September 17–20, 2019; 8-th, Nancy, France, June 27–30, 2016; 5-th, Luminy, France, April 23–27, 2007
- Scientific Computing Committee, Fourteenth WCCM and ECCOMAS Congress 2020, Paris, July 19–24, 2020
- Recent Advances in PDE: Theory, Computation and Application, IIT Bombay, Mumbai, India, June 8–10, 2017.
- International Scientific Committee, 12th World Congress on Computational Mechanics (WCCM XII), Seoul, Korea, July 20–25, 2016
- CIMPA Research School on Current Research in Finite Element Methods, Mumbai, India, July 6–17, 2015
- CIMPA Research School on Current Trends in Computational Methods for PDEs, Bangalore, India, July 8–19, 2013
- Fourth Chilean Workshop on Numerical Analysis of Partial Differential Equations (WONAPDE 2013), Universidad de Concepcion, Chile, January 14–18, 2013
- International Conference on Partial Differential Equations and Numerical Analysis, Changsha, People’s Republic of China, June 22–26, 2006

### **Publications**

One monograph (3 editions) and over 140 refereed papers

### **Presentations**

50+ plenary talks, 70+ invited talks, 70+ colloquia/invited seminars, 30+ contributed talks