

## A Brief CV of Jie Shen

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### Professional Preparation

Peking University	Computational Mathematics	B.S. 1982
Université de Paris-Sud	Numerical Analysis	Ph.D. 1987 (Adviser: R. Temam)
Indiana University	Applied Mathematics	PostDoc (8/1987 – 7/1991)

### Professional Appointments

- Aug. 1991 – July 2001: Assistant, Associate, and Full Professor, Department of Mathematics, The Pennsylvania State University.
- Aug. 2001 – July 2002: Professor, Department of Mathematics, University of Central Florida.
- Aug. 2002 – Aug. 2023: Professor and Distinguished Professor, Department of Mathematics, Purdue University.
- Jan. 2012 – Dec. 2022: Director, Center for Computational and Applied Mathematics, Purdue University.
- May 2023 – Chair Professor and Dean of School of Mathematical Science, Eastern Institute of Technology, Ningbo, China.

### Guest Professorship

- July 2002 – : Guest Chair Professor, School of Mathematical Sciences, Xiamen University, China.

**Research Interests:** numerical analysis, applied mathematics, scientific computing.

### Selected Honors and Awards

- Ranked #4 in the world for the single year (2021) impact and #9 in the world for the career impact in the field of *Numerical and Computational Mathematics* by **Stanford Rating of World's Top Scientists** in Oct 2022:  
<https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/4>
- Ranked #170 (resp. #175) in the ranking released by Research.com in 2022 (resp. 2023) of **Top Mathematics Scientists in the World**:  
<https://research.com/scientists-rankings/mathematics>
- Member of the Selection Committee for Section 15 (Numerical Analysis) of 2022 International Congress of Mathematics.
- Fellow of Society of Industrial and Applied Mathematics (SIAM), class of 2020.
- Fellow of American Mathematical Society (AMS), class of 2017.

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- (Inaugural) Research Award, College of Science, Purdue University, 2013.
- Fulbright Award: *McGill University Research Chair in Computational Methods for Partial Differential Equations*, 2008.

### Research Funding:

Continuously supported by NSF from 1992 to 2023 and by AFOSR from 2008 to 2023.

### Advising and mentoring:

Supervised more than twenty Ph.D theses, and a large number of postdocs and visiting scholars.

### Selected Professional Service:

*Member of the editorial boards:*

- Co-editor-in-chief: *Journal of Mathematical Study*, 2014 —
- *CSIAM Transaction on Applied Mathematics*, 2020 —
- *Communications in Applied Mathematics and Computation*, 2019 —
- *Applied Numerical Mathematics*, 2015 —
- *Communications in Mathematical Science*, 2015 —
- *Journal of Scientific Computing*, 2009 —
- *Mathematics of Computation*, Jan. 2005 — Jan. 2016
- *Communications in Computational Physics*, 2005 —
- *International Journal of Numerical Analysis and Modeling*, 2004 —
- *Discrete and Continuous Dynamical Systems, Series B*, 2001 —

*Selected professional appointments:*

- Scientific Committee for the Conference Series, International Conference on High-Order and Spectral Methods (ICOSAHOM): member 2014 —; Chair, 2023 —
- Vice-President of the International Association of Mathematics and Computers in Simulation (IMACS), 2016—

*Conference/workshop organization:*

Organized a large number of international conferences/workshops, including numerous topical workshops at Purdue, several international conferences as well as specialized workshops at various NSF funded institutions.

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### Publications:

Published two books (with another book to appear in 2023) and over 260 papers, most of which are in premier journals, including over seventy papers published in the most prestigious journals of numerical analysis and scientific computing: *SIAM Review*, *Found. Comp. Math.*, *Math. Comp.*, *SIAM J. Numer. Anal.*, *SIAM J. Sci. Comput.*, *Numer. Math.*

### Citations:

- In Google Scholar  $\geq 25,000$
- In Web of Science  $\geq 15,000$
- In MathSciNet  $\geq 10,000$

### H-index:

- In Google Scholar: 75
- In Web of Science: 62
- In MathSciNet: 50