

Fan Chung Graham

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Education

- Ph.D., Mathematics, University of Pennsylvania, 1974, (Thesis Advisor: Herbert Wilf).
- M.S., Mathematics, University of Pennsylvania, 1972.
- B.A., Mathematics, National Taiwan University, 1970.

Professional Experience

- Distinguished Professor of Mathematics, Paul Erdős Professor in Combinatorics, Distinguished Professor of Computer Science and Engineering, UC San Diego, 1998–2018. Emeritus Professor, 2018 —.
- Professor of Mathematics, University of Pennsylvania, 1995–1998.
- Member, Institute for Advanced Study, 1994–1995.
- Visiting Professor, Mathematics, Harvard University, 1991–1993.
- Bellcore Fellow, Bell Communications Research, 1991–1993.
- Director, Division of Mathematics, Information Sciences and Operations Research, Bell Communications Research, 1983–1991.
- Member of Technical Staff, Bell Laboratories, 1974–1983.

Research Interests

Spectral graph theory, complex networks, extremal graph theory, discrete geometry, algorithm analysis, parallel computation, communication networks, Internet computing.

Awards

- Allendoerfer Award of Mathematical Association of America, 1990.
- Invited address, International Congress of Mathematicians, Zürich, 1994.
- Member, American Academy of Arts and Sciences, 1998–present.
- Fellow, American Association for the Advancement of Science, 2002–present.
- AMS-MAA Joint Invited address, San Diego 2008.
- Noether Lecture, American Mathematics Society, Washington, DC, 2009.
- Fellow, American Mathematics Society 2013–present.
- Fellow, Society of Industrial and Applied Mathematics, 2015–present.
- Academician, Academic Sinica, 2016–present.
- Doctor of Mathematics honoris causa, University of Waterloo, 2017.
- Euler Medal, Institute of Combinatorics and its Applications, 2017.
- Fellow of the Network Science Society, 2022– present.
- Member, National Academy of Sciences, 2024–present.
- Revell Medal award, 2024.

Professional Activities

- Board of Mathematical Sciences, National Research Council, 1995–1999.
- Board of Governors, Institute of Mathematics and Its Applications, 2000–2002.
- Advisory Board, American Institute of Mathematics, 2008–2011.

- Editorial work:
 - Editor-in-Chief, Journal of Combinatorics, 2010–present.
 - Editor-in-Chief, Internet Mathematics, 2008–2016.
 - Editor-in-Chief, Journal of Graph Theory, 1989–1994.
 - Editor-in-Chief, Advances of Applied Mathematics, 1990–1996.
 - Area editor of JACM (Journal of the Association of Computing Machinery), 1991–1995.
 - Area editor of IEEE COMPUTER, 1993–1995, Editorial Board, Mathematical Systems Theory, 1989–1996,
 - Area editor, JCSS, 2000–2003.
 - Editorial boards:
 - * Journal of Graph Theory, 1985–present.
 - * Random Structures and Algorithms, 1993–present.
 - * SIAM Journal on Discrete Mathematics, 1988–2012.
 - * Journal of Combinatorial Designs, 1993–present.
 - * Electronic Journal of Combinatorics, 1993–present.
 - * Advances in Applied Mathematics, 1996–present.
 - * Journal of Combinatorial Optimization, 1996–present.
 - * Mathematics Research Letters, 1999–present.
 - * Annals of Combinatorics, 1999–present.
 - * Taiwanese Journal of Mathematics, 1999–present,
 - * Journal of Computer Sciences and Systems, 2000–present.
 - * IEEE Transactions of Network Science and Engineering, 2015–present.
- Professional services
 - Nominating Committee, AMS (American Mathematical Society), 2011–13, as chair 2012.
 - Member-at-large of Council, AMS, 1989–91.
 - AMS Editorial Board Committee, 1993–96, and as Chair, 1994.
 - AMS Conference Board on Math Sciences, 1989–92.
 - AMS-SIAM-IMS Joint Summer Research Conference Committee, 1991-93, and as Chair, 1993.
 - Member of Council, SIAM (Society of Industrial and Applied Mathematics), 1990–92.
 - Chair, SIAM Activity Group in Discrete Mathematics, 1988–91.
 - SIAM Nominating Committee, 1990–92.
 - Chair, Program committee of SIAM Annual Meeting, 1999.
- Steering committee of SODA (Symposium on Discrete Algorithms), 1990–93, Program committees of SODA, 1990, Program committee of STOC (Symposium on the Theory of Computing), 1989 and 1990, Chair, Program committee of STOC (Symposium on the Theory of Computing) 1998, Steering committee WAW 2003–present.