

CURRICULUM VITAE

Fan Chung Graham

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- EDUCATION:** B.S. Mathematics, National Taiwan University, 1970.
M.S. Mathematics, University of Pennsylvania, 1972.
Ph.D. Mathematics, University of Pennsylvania, 1974.
- RESEARCH INTERESTS:** Spectral graph theory, extremal graph theory, discrete geometry, algorithmic design, parallel computation, communication networks, and Internet computing.
- POSITIONS:**
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| 1974 - 1983 | Member of Technical Staff,
Mathematical Foundations of Computing Department,
Bell Laboratories, Murray Hill, NJ. |
| 1984 - 1986 | Research Manager,
Discrete Mathematics Research Group,
Bell Communications Research, Morristown, NJ. |
| 1986 - 1990 | Division Manager,
Mathematics, Information Sciences and Operations Research,
Bell Communications Research, Morristown, NJ. |
| 1990 - 1994 | Bellcore Fellow. |
| 1989 fall | Visiting Professor,
Computer Science Department, Princeton University. |
| 1991 - 1993 | Visiting Professor,
Mathematics Department, Harvard University. |
| 1994 - 1995 | Member, Institute for Advanced Study. |
| 1995 - 1998 | Professor of Mathematics, University of Pennsylvania.
Class of 65 Professor, University of Pennsylvania.
Professor of Computer Science, University of Pennsylvania. |
| 1998 - present | Professor of Mathematics,
Professor of Computer Science and Engineering,
University of California, San Diego. |
| Summer, 1998- | Consulting Chief Scientist, Telcordia Technology. |
- AWARD:**
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| 1990 | Allendoerfer Award of Mathematical Association of America. |
| 1998 | Member, American Academy of Arts and Sciences. |
- PATENTS:**
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| 1988 | Encoding and decoding for code division multiple access communication systems. |
| 1993 | Routing of network traffic. |

PROFESSIONAL ACTIVITIES:

- Board of Mathematical Sciences, National Research Council, 1995 to 1999.
- Board of Governors, Institute of Mathematics and Its Applications, 2000 to present.
- Putnam Questions Committee, Mathematical Association of America, 1993 to 1995, and as Chair, 1995.
- Co-Editor-in-Chief, Electronic Journal of Combinatorics, 2000 to present.
Co-Editor-in-Chief, Advances in Applied Mathematics, 2000 to present.

- Editor-in-Chief, *Journal of Graph Theory*, 1989-1994, editorial board, 1985 to present.
- Editorial Board, *Mathematics Research Letters*, 2000 to present.
- Editorial Board, *Random Structures and Algorithms*, 1993 to present.
- Editorial Board, *SIAM Journal on Discrete Mathematics*, 1988 to present.
- Editorial Board, *Journal of Combinatorial Designs*, 1993 to present.
- Editorial Board, *Electronic Journal of Combinatorics*, 1993 to present.
- Editorial Board, *SIAM Review*, 1989 to 1998.
- Editorial Board, *Annals of Applied Mathematics*, 1996 to present.
- Editorial Board, *Journal of Combinatorial Optimization*, 1996 to present.
- Editorial Board, *Annals of Combinatorics*, 1999 to present.
- Editorial Board, *Taiwanese Journal of Mathematics*, 1999 to present.
- Editorial Board, *Journal of Computer and System Sciences*, 2000-.
- Editorial Board, *Mathematical Systems Theory*, 1989 to 1996.
- Area editor of *JACM (Journal of the Association of Computing Machinery)*, 1991 to 1995.
- Area editor of *IEEE COMPUTER*, 1993 to 1995.
- Member-at-large of Council, AMS (American Mathematical Society), 1989 to 1991.
AMS Editorial Board Committee, 1993 to 1996, and as Chair, 1994.
AMS Conference Board on Math Sciences, 1989 to 1992.
AMS-SIAM-IMS Joint Summer Research Conference Committee, 1991-93, and as Chair, 1993.
AMS Committee on Committees, 1995 to 1996.
 - Member of Council, SIAM (Society of Industrial and Applied Mathematics), 1990 to 1992.
Chair, SIAM Activity Group in Discrete Mathematics, 1988 to 1991.
Organizer/Chair of several SIAM symposia and conferences.
SIAM Nominating Committee, 1990 to 1992.
Chair, Program committee of SIAM Annual Meeting, 1999.
 - DIMACS (NSF Center on Discrete Mathematics and Theoretical Computer Science), member of Executive Committee, 1990 to 1993 and co-chair of Special Year in Graph Theory and Algorithms, 1991-92.
 - Steering committee of SODA (Symposium on Discrete Algorithms), 1990 to 1993.
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.
 - New York Academy of Sciences, member of Advisory Board, 1984 to present and Vice-chair, Mathematics Section, 1986 to 1988.
 - Invited Address, ICM (International Congress of Mathematicians), Zürich, 1994. Principal Lecturer, CBMS Workshop on Spectral Graph Theory, Fresno, Calif., 1994. AMS Invited Address, Washington, D.C., April, 1993. AMS/MAA Invited Address, Orono, Maine, 1991. Invited speaker for several Special Sessions and two short courses at AMS Meetings. Principal speaker at the International Graph Theory Conference at Kalamazoo, International Conference on Discrete Mathematics in New York, Southeastern Graph Theory Conference and First China Graph Theory Conference. Colloquium talks at Harvard, MIT, Stanford, Princeton University, U. of Massachusetts, U. C. Berkeley, U. of Michigan, NYU, etc.