

Avi Wigderson

Short Biography

Research Interests:

Computational Complexity Theory, Algorithms and Optimization, Randomness and Cryptography, Parallel and Distributed Computation, Combinatorics and Graph Theory, Connections of CS Theory with Math and Science

Honors

- 2024 *Honorary Doctorate*, Weizmann Institute of Science
- 2023 *A.M. Turing Award*, Association for Computing Machinery
- 2023 *Honorary Doctorate*, Technion - Israel Institute of Technology
- 2023 *Edsger W. Dijkstra Prize in Distributed Computing*, ACM Symposium on Principles of Distributed Computing
- 2021 *Abel Prize*, Norwegian Academy of Science and Letters
- 2021 *Member*, Norwegian Academy of Science and Letters
- 2019 *Donald E. Knuth Prize*, Association for Computing Machinery (ACM-SIGACT)
- 2018 *ACM Fellow*, Association for Computing Machinery (ACM-SIGACT)
- 2013 *Member*, National Academy of Sciences
- 2011 *Member*, American Academy of Arts and Sciences
- 2009 *Gödel Prize*, European Association for Theoretical Computer Science (EATCS) and Association for Computing Machinery (Special Interest Group on Algorithms and Computation Theory (ACM-SIGACT))
- 2008 *Conant Prize*, American Mathematical Society (AMS)
- 2006 *International Congress of Mathematicians Plenary Lecture*, Madrid, Spain
- 1994 *Nevanlinna Prize*, International Mathematical Union (IMU)

Education

- 1983 — Ph.D in Computer Science, Princeton University
- 1982 — M.A in Computer Science, Princeton University
- 1981 — M.S.E in Computer Science, Princeton University
- 1980 — B.Sc in Computer Science, Technion, Haifa, Israel

Permanent Positions

- 1999 — present Herbert H. Maass Professor, School of Mathematics, Institute for Advanced Study, Princeton, New Jersey
- 1986 — 2003 Computer Science Institute, Hebrew University, Jerusalem

Visiting Positions

- 1995 - 1996 Institute for Advanced Study and Princeton University
- 1990 - 1992 Princeton University
- 1985 - 1986 Mathematical Sciences Research Institute, Berkeley, California
- 1984 - 1985 IBM Research, San Jose, California
- 1983 - 1984 U.C Berkeley, California