

KEITH DEVLIN, Ph.D., D.Sc., F.A.A.S., F.A.M.S
One-Page Summary Curriculum Vita

Stanford positions (1987-1989; 2001-2019)

- Director of the Mathematics Outreach Project, Graduate School of Education (2018-19)
- Senior Researcher, Stanford University (2001-2018, Emeritus since 2019)
- Executive Director (and co-founder), H-STAR Institute, Stanford University (since 2006, Emeritus since 2019)
- Executive Director, CSLI, Stanford University (2001-2006)
- Executive Director (and co-founder), Media X, Stanford University (2002-2006)
- Consulting Professor, Dept of Mathematics, Stanford University (2001-2009)
- Visiting Professor of Mathematics and Philosophy, Stanford University (1987-89).

Previous positions (1974-2015)

- Stanley Kelley, Jr. Visiting Professor for Distinguished Teaching, Princeton University, Dept of Mathematics (Spring 2014, Fall 2015)
- Co-founder, President, and Chief Scientist at BrainQuake Inc. (since 2012)
- Visiting Professor, DUXX Graduate School of Business Leadership, Monterrey, Mexico. (1999-2001)
- Dean of the School of Science and Professor of Mathematics, Saint Mary's College of California. (1993-2001)
- Carter Professor of Mathematics and Chair of Dept of Math & Computer Science, Colby College (1989-93).
- Reader in Mathematics, Lancaster University, Lancaster, UK (Lecturer 1977-79, Reader 1979-1987).
- Assistant Professor of Mathematics, Bonn University, Bonn, Germany (1974-1976).

Short term positions (three months to a half-year)

University of Aberdeen, Scotland; University of Manchester, England; University of Oslo, Norway; Pennsylvania State University, PA, USA; University of Colorado, Boulder, CO, USA; University of Heidelberg, Germany; University of Toronto, ON, Canada (twice, once as the Nuffield Lecturer to Canada)

Publication history

- Approx. 90 research papers and 33 books (7 research monographs, 8 textbooks, 1 CD-ROM + textbook, 17 nonfiction trade books).
- Developed and presented the first ever Mathematics MOOC on the new Stanford spinoff platform Coursera in 2012. The course continues to this day, and is consistently one of only two math courses in the Top Fifty most subscribed MOOCs on Coursera
- The book *The Millennium Problems* won the Italian Pythagoras Prize in 2005.
- The books *The Math Gene* and *The Language of Mathematics* won the Italian Peano Prize in 2003.
- The book *Logic and Information* won the Amer. Assoc. of Publishers' award "Most Outstanding Book in Computer Science and Data Processing of 1991".
- The books *Mathematics: The Science of Patterns*, a Scientific American Library book, and *The Math Gene* were both nominated for the Science Book Prize in the UK.
- The book *Life by the Numbers* was written to accompany the 1998 PBS television series of the same name and was nominated by the Bay Area Book Reviewers Association for Best Non-Fiction Prize.
- The book *Mathematics Education for a New Era: Video Games as a Medium for Learning* (2011) is regarded as seminal text in game-based math learning

Awards

- Received the 2001 Communications Award of the Joint Policy Board for Mathematics.

- In 2003, recognized by the California State Assembly for "innovative work and longtime service in the field of mathematics and its relation to logic and linguistics."
- Recipient of the 2007 Carl Sagan Award for Science Popularization

Honors

- Fellow of the American Association for the Advancement of Science (AAAS) (1999).
- Fellow of the American Mathematical Society (AMS) (2012).
- Forum Fellow of the World Economic Forum (2000).
- Honorary Doctorate of Science, University of Hull, UK (2002).

Professional Activities

- Chair of the Academic Advisory Board for the American Institute of Mathematics
- Former Chair of the Mathematics Section of the American Association for the Advancement of Science (AAAS).
- Former Member of Council of the American Mathematical Society.
- Former member of the American Mathematical Society Publications Committee.
- Former member of the National Academy of Sciences Mathematical Sciences Education Board (MSEB).
- Former member of the Committee of Science Policy of the Joint Policy Board for Mathematics.
- Past-Editor of FOCUS, the monthly newsletter of the Mathematical Association of America.
- Past-Contributing Editor of the *Notices of the American Mathematical Society*.

Media activities

- Mathematics correspondent ("The Math Guy") for NPR's national radio magazine program *Weekend Edition*. (1994-2018)
- Worked on several television programs, including the highly acclaimed one-hour special *A Mathematical Mystery Tour* (BBC, 1983) the six-part series *Life By the Numbers* (PBS, 1998), the thirteen-part series *GED Connections* (PBS, 2001), and the Nova specials *In Search of the Hidden Dimension* (PBS, 2008) and *Prediction by the Numbers* (PBS, 2018).
- Was a lead mathematics advisor on the hit TV crime series NUMB3RS that ran on CBS from 2005 to 2010, and co-wrote the companion book *The Numbers Behind NUMB3RS* (2007) with the other lead advisor, Gary Lorden, Chair of Mathematics at Caltech
- Occasional contributor to the NPR radio programs *Talk of the Nation: Science Friday*, *Sounds Like Science*, *To The Best of Our Knowledge*, and *Technation* in the USA, and various BBC radio programs in the UK.
- Regular columnist for *The Guardian* newspaper in the UK, 1983-1991.
- Has written occasional articles and reviews for newspapers and magazines such as *The Huffington Post*, *Discover*, *Nature*, *New Scientist*, *The New York Times*, *The Washington Post*, *Math Horizons*.
- Had a mathematically-inspired radio play broadcast by the BBC in 1985.
- Wrote and presented the mathematics research television documentary *The Millennium Problems* (Clay Mathematics Institute, 2001).

Professional societies

American Association for the Advancement of Science
American Mathematical Society
Mathematical Association of America
London Mathematical Society
Sigma Xi.

Education

BSc (Special) Mathematics, Kings College London, 1965-68.
Ph.D. Mathematics, University of Bristol, 1968-71.