

Curriculum Vitae of Hans Engler

Permanent Affiliation and Contact Information

Professor of Mathematics
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Personal Information

Born 1953 in Lengerich, West Germany
Married, two children
German and U.S. citizen

Education

1976: Diplom-Mathematiker (M.S. in Mathematics), Universität Heidelberg, Germany
1981: Dr. rer. nat (Ph.D.) in Mathematics, Universität Heidelberg, Germany

Professional History since Ph.D.

1981 - 1982: Postdoctoral visitor, Mathematical Research Center, University of Wisconsin - Madison
1983 - 1983: Instructor, Dept. of Mathematics, Northwestern University, Evanston, IL
1983 - 1984: Instructor, Dept. of Mathematics, The University of Texas at Austin
1984 - present: Dept. of Mathematics, Georgetown University, Washington, DC
Department chair 1992-1997
Full professor since 1995
1990 - 1991: Visiting scientist, Institut für Angewandte Mathematik, Universität Bonn, Germany
1997 - 2000,
2003, 2006,
2008: Program director for Applied Mathematics, Division of Mathematical Sciences, National Science Foundation, Arlington, VA

Scientific Interests

Applied Mathematics
Scientific Computing
Statistics
Continuum Mechanics and Material Science

Teaching Experience

Undergraduate courses in Mathematics and Statistics at all levels
Graduate courses in data mining and computational statistics
Introduced six new courses in Mathematics curriculum at Georgetown
Supervised five honors theses since 2003

Consulting Experience

National Institute of Standards and Technology, 1988 - present

- Testing and quality assurance of electronic devices
- Analysis of high-dimensional data sets
- Signal processing of picosecond measurements

Other

- Evaluation of proposed new public key cryptosystem
- Patterns and trends in customer satisfaction data
- Analysis of shipping data for manufacturing association prior to shipping tariff negotiations

Expert Witness (Statistics)

- Statistical reports for Defendant's counsel and several depositions by Plaintiff's counsel in discrimination lawsuit (Lamont Mitchell et alii v. DCX, Inc., Civil action #00-1317, U.S. District Court for D.C)
- Informal consultations on cases involving alleged medical malpractice and property value assessment in D.C.

Administrative Experience

Department Chair, 1992-1997

- Supervision of department of about 15 members, course scheduling, curriculum supervision, budget preparation, merit and promotion evaluations.

Program director, National Science Foundation, 1997-2000 (full time), 2003, 2006, 2008 (part time)

- Solely or jointly responsible for review management, funding decisions, and award administration for about 500 research and training grant proposals in Mathematics, Science and Engineering

Director of Graduate Studies, since 2006

- Designed new MS program in Mathematics and Statistics, directed it from its start to its current size of about 50 students

Professional Memberships

American Mathematical Society

Society for Industrial and Applied Mathematics

American Statistical Association

Other

Fluent in English and German

Mathematica, Matlab, Mathcad, Minitab, R/S-Plus, MS Office

05/08