

Ted Hill Curriculum Vitae

January 2012

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EDUCATION

B.S.	U.S. Military Academy, West Point	Engineering	1966
M.S.	Stanford University	Operations Research	1968
M.A.	University of California, Berkeley	Mathematics	1974
Ph.D.	University of California, Berkeley	Mathematics	1977

PROFESSIONAL EXPERIENCE

Visiting Professor, Dept. of Economics & Business, [LUISS Guido Carli U.](#), Rome (10/10-11/10)
 Professor Emeritus, Mathematics, [Georgia Institute of Technology](#) (12/03-present)
 Adjunct Professor, Dept. of Electrical & Computer Engineering, [University of New Mexico](#) (2006-present)
 Research Scholar in Residence, [California Polytechnic State University](#) (2005-present)
 Professor, Mathematics, [Georgia Institute of Technology](#) (4/90-12/03)
 Guest Professor, Econometrics, [Free University of Amsterdam](#) (10/02-11/02)
 Visiting Professor, [Institute for Mathematical Stochastics](#), Göttingen (9/00-12/00)
 Guest Professor, Dept. Math and Computer Sci., [Vrije Universiteit](#), Amsterdam (4/97-8/97)
 Visiting Professor, [Centro de Investigación en Matemáticas A.C.](#), Guanajuato Mexico (1/97-3/97)
 Guest Professor, Dept. Math and Computer Sci., [Vrije Universiteit](#), Amsterdam (3-7/94, 7-12/96)
 Visiting Scholar, Mathematics, [University of Costa Rica](#) (11/93-2/94)
 Guest Professor, Mathematics, [Vrije Universiteit](#), Amsterdam (6/93-11/93)
 Visiting Professor, Mathematics, [University of Tel Aviv](#) (3/89)
 Guest Professor, Mathematics, [University of Göttingen](#) (9/88-5/89)
 Visiting Scholar, Mathematics, [University of California, Berkeley](#) (7/86-9/86)
 Associate Professor, Mathematics, [Georgia Institute of Technology](#) (7/84-4/90)
 Associate Professor, Mathematics, [University of Hawaii](#) (8/84-6/85)
 Postdoctoral Fellow, Mathematics, [University of Leiden](#) (7/82-7/83)
 Assistant Professor, Mathematics, [Georgia Institute of Technology](#) (9/77-6/84)
 Lecturer, Applied Mathematics, [Washington University](#) (9/70-6/71)
 Captain, U.S. Army (Vietnam; Company Commander; Research and Development) (6/68-9/70)

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CURRENT RESEARCH INTERESTS

Probability and measure theory, optimal stopping theory, [fair-division problems](#), limit laws, Benford's law.

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HONORS AND AWARDS

[Weird Science Award - "A weightier matter" \(2007\)](#)

Gauss Professor, [Göttingen Academy of Sciences](#) (2000)
Elected Fellow, Institute of Mathematical Sciences (1999)
Elected Member, [International Statistical Institute](#) (1993)
SCITREK Scholar Lecturer, Atlanta (1992)
Best Teaching Award Mathematics (from Faculty of 50) (1990)
Fulbright Professor, Mathematics, [University of Göttingen](#) (1988-89)
Sigma Xi Best Research Paper in Science, [Georgia Institute of Technology](#) (1984)
NSF-NATO Postdoctoral Fellow, Mathematics, [University of Leiden](#) (1982-83)
Fulbright Scholar, Mathematics, [University of Göttingen](#) (1971-72)
U.S. Army Graduate Scholarship, [Stanford University](#) (1966-68)
Distinguished Graduate, [West Point](#) (1966)

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RESEARCH GRANTS

[Dutch National Science Foundation \(NWO\)](#) Travel Grant, Free University of Amsterdam (2009)
[Dutch National Science Foundation \(NWO\)](#) Travel Grant, Free University of Amsterdam (2008)
[Dutch National Science Foundation \(NWO\)](#) Travel Grant, Univ. of Utrecht (2007)
[National Security Agency](#) Grant H98230-05-1-0297 (2005-2006)
[National Science Foundation](#) Grant DMS 99-71146 (1999-2003)
Göttingen Academy of Sciences (2000)
[NSF](#) Group Infrastructure Grant (with Bunimovich, Hale) (1996-2001)
Dutch National Science Foundation (NWO) Grant, Dossier B-61-355 (1996-97)
[National Science Foundation](#) Grant 95-03375 (1995-97)
Dutch National Science Foundation (NWO) Grant, Dossier B-61-281 (1993)
[National Science Foundation](#) Grants DMS-92-09586 (1992-94)
Israel-U.S. Binational Science Foundation Grant 88-00005 (with D. Gilat) (1991-93)
[National Science Foundation](#) Grant DMS-89-01267 (1989-91)
Fulbright Senior Researcher Award (1988-89)
[National Science Foundation](#) Grants DMS-84-01604, DMS-86-01608, DMS-87-01691 (1984-88)
NSF-NATO Postdoctoral Grant 7289 (1982-83)
Air Force Office of Scientific Research Grant F4962079C0123 (1979-80)

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PROFESSIONAL SOCIETIES MEMBERSHIP

[American Association of University Professors](#)
[American Civil Liberties Union](#)
[American Mathematical Society](#)
[Bernoulli Society](#)
[Institute of Mathematical Statistics](#)
[Mathematical Association of America](#)
[National Writers Union](#)
[New York Academy of Sciences](#)
[Fulbright Association Life Member](#)

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PHD STUDENTS

[David Sitton](#), (Mathematician, Planning Systems, Inc.) PhD Dec. 2001
[Lisa Bloomer Green](#), (Assistant Professor, Middle Tennessee State University) PhD 2000
[Pieter Allaart](#), (Assistant Professor, University of North Texas) PhD 1998
Zuzana Kuhn, (Mathematician, Karlsruhe Software) PhD 1998
Josephine Gouweleeuw, (Mathematician, Dutch Bureau of Statistics) PhD 1994
Frans Boshuizen, (Full Professor, Free Univ. Amsterdam; Mathematician, ING) PhD 1991
[Martin Jones](#), (Associate Professor, College of Charleston) PhD 1989

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INVITED CONFERENCE LECTURES

SIMMAC XVII, University of Costa Rica	Feb 2010
Bunimovich Conference , Banff International Research Station, Banff, Canada	Jan 2009
Keynote Lecture, Workshop on Applications of Benford's Law, Santa Fe	Dec 2007

Esterfest , Conference in Honor of Prof. E. Samuel-Cahn, Hebrew University, Jerusalem	Dec 2006
SIMMAC XV, University of Costa Rica	Feb 2006
Conference on Stochastic Systems, University of Leiden	Mar 2005
Conference on Ergodic Theory, Univ. of North Carolina Chapel Hill	Feb 2004
Invited Hour Talk, ICM 2002 Satellite Conference in Hanoi	Aug 2002
Conference in Honor of David Blackwell and Lester Dubins, Berkeley	Feb 2002
Plenary Talks (two), Dutch Operations Research Annual Meeting, Lunteren	Jan 2002
Fair-Division Conference, U. of Pescara, Italy (2 hour talks)	Dec 2000
Keynote Lecture, Georgia MAA Meeting, Columbus	Apr 2000
Session on Stochastic Processes, AMS Meeting, Charlotte	Oct 1999
Mexican Mathematical Research Center (CIMAT) (5 lectures, in Spanish)	Feb 1999
Centralamerican Mathematics Conference, Invited Speaker, Costa Rica (in Spanish)	Feb 1997
Centralamerican Mathematics Conference, Invited Speaker, Guatemala (in Spanish)	Jan 1996
INFORMS Applied Probability Conference, Invited Talk, Session on Algorithms, Atlanta	Jun 1995
Centralamerican Mathematics Conference, Invited Speaker, Managua, Nicaragua	Jan 1995
Centralamerican Mathematics Conference, Invited Speaker, San Ramon, Costa Rica	Feb 1994
International Conference on Stochastic Processes, Plenary Speaker, Amsterdam	Jun 1993
AMS Invited Talk in Special Session on Stochastic Processes, Knoxville	Mar 1993
Annual Finnish Probability Conference, Invited Speaker (6 lectures), Lahti, Finland	Jun 1992
AMS-IMS-SIAM Invited Talk in Conference on Inequalities in Probability, Seattle	Jul 1991
AMS-IMS-SIAM Invited Talk in Conference on Sequential Search Strategies, Amherst	Jun 1990
Conference in honor of L. E. Dubins, University of California at Berkeley	May 1990
Conference on Optimal Stopping, Oberwolfach	Jun 1986

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CONTRIBUTED CONFERENCE PAPERS

International Congress of Mathematics 2002 Beijing	Aug 2002
Bernoulli World Congress 2000, Guanajuato, Mexico	May 2000
Southeast Probability Days, Atlanta	Mar 2000
Valdosta State Math Technology Conference, Valdosta	Feb 2000
Biannual Centralamerican Appl. Math. Conference (in Spanish), Costa Rica	Jun 2000
International Symposium on Mathematics, Costa Rica (in Spanish)	Feb 1998
American Mathematical Society Annual Meeting, Orlando	Jan 1996
Southeast Probability Days Annual Meeting, Atlanta	Sep 1995
American Mathematical Society Annual Meeting, San Antonio	Jan 1993
American Mathematical Society Annual Meeting, San Francisco	Jan 1991
Second World Congress of the Bernoulli Society, Uppsala	Aug 1990
American Mathematical Society Annual Meeting, Louisville	Jan 1990
American Mathematical Society Meeting, Tacoma	Jun 1987
American Mathematical Society Annual Meeting, San Antonio	Jan 1987
International Congress of Mathematicians, Berkeley	Aug 1986
American Mathematical Society Annual Meeting, Anaheim	Jan 1985
American Mathematical Society Annual Meeting, Louisville	Jan 1984
Markov Decision Processes Conference, University of Eindhoven	Apr 1983
Fifteenth European Conference on Probability and Statistics, Palermo	Sep 1982
Institute of Mathematical Statistics Regional Meeting, Tallahassee	May 1982
American Mathematical Society Annual Meeting, Cincinnati	Jan 1982
Georgia Mathematics Conference, Atlanta	Oct 1981

American Mathematical Society Annual Meeting, San Francisco	Jan 1981
American Mathematical Society Annual Meeting, Biloxi	Jan 1979
International Congress of Mathematicians, Helsinki	Aug 1978
American Mathematical Society Annual Meeting, Atlanta	Jan 1978
American Mathematical Society Annual Meeting, St. Louis	Jan 1977

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INVITED RESEARCH LECTURES

ID Analytics, San Diego, CA	Oct 2011
Dept. of Mathematics, US Military Academy, West Point, NY	Sep 2011
Tinbergen Institute, Amsterdam	Jun 2011
Dept. of Statistics & Geoeconomics Seminar , University of Rome - La Sapienza	Nov 2010
Dept. of Economics & Business Seminar , LUISS Guido Carli Univ.	Oct 2010
Tinbergen Institute, Amsterdam	Jun 2010
Mathematics Colloquium, San Jose State University	Mar 2010
Bay Area Mathematics Adventures Lecture, San Jose State University	Mar 2010
Mathematics Colloquium, University of Nevada, Reno	Feb 2010
Tinbergen Institute, Amsterdam	Jun 2009
Millican Lecture, University of North Texas	Oct 2008
Econometrics Seminar, Free University Amsterdam	Jun 2008
GAME Lecture, University of Alberta	Apr 2008
Mathematics Colloquium, University of Alberta	Apr 2008
Colloquium, Joint Science Dept. of the Claremont Colleges, CA, Mar 2008	Mar 2008
Mathematics Colloquium, California Polytechnic State University	May 2007
Computer Science Department, Sonoma State University	Nov 2007
Mathematics Department, College of Charleston	Sep 2007
Tinbergen Institute, Amsterdam	Jun 2007
Mathematics Department, Univ. of Utrecht	Jun 2007
Mathematics Department, International University, HoChiMinh City	Mar 2007
Mathematics Department, Univ of Natural Sciences, HoChiMinh City	Mar 2007
Mathematics Department, Univ. of Canterbury, Christchurch	Feb 2007
Industrial Engineering/Operations Research Colloquium, U.C. Berkeley	Oct 2006
Mathematics Colloquium, U.S. Military Academy	Sep 2006
Joint ECE, Math, and Statistics Colloq. (2 lectures), U. New Mexico	Jun 2006
Joint Mathematics and Statistics Colloquium, California Polytechnic State University	Nov 2005
Department of Applied Mathematics, University of Bonn	Mar 2005
Department of Science, University of Pescara	Feb 2005
Mathematics Department, University of Naples	Jan 2005
Mathematics Department, Faculty of Economics, Univ of Rome	Jan 2005
Ergodic Theory and Probability Seminar, Ohio State University	Dec 2004
Mathematics Colloquium, Calif Polytechnic State University	Oct 2004
Center for Nonlinear Studies, Physics Department, Georgia Tech	Sep 2003
Stochastics Seminar, Chalmers University	Nov 2002
Mathematics Colloquium, Chalmers University	Nov 2002
Econometrics Lunch Seminar, Free University Amsterdam	Nov 2002
Mathematics Colloquium, Leiden University	Nov 2002
Stochastics Colloquium, Utrecht University	Oct 2002
Econometrics, Free U. Amsterdam (8 2-hour lectures)	Oct-Nov 2002

Colloquium, Tinbergen Institute of Economics	Oct 2002
Mathematics Colloquium, University of Central Queensland	Jul 2002
Mathematics Department, Cuesta College	Nov 2001
Physics Department, Claremont Graduate School	Oct 2001
Math Club, Portland State University	Apr 2001
Mathematics Colloquium, Portland State University	Apr 2001
Portland Stochastics Group, Portland	Apr 2001
Mathematics Colloquium, Steinhaus Center, Tech University of Wroclaw	Dec 2000
Stochastics Colloquium, Mathematics, University of Göttingen	Nov 2000
Statistics Research Seminar, University of Göttingen	Nov 2000
Invited Address, Göttingen Academy of Science (in German)	Oct 2000
Econometrics Colloquium, Free University of Amsterdam	Aug 2000
Guest Lecture, Tineberg Institute, Amsterdam	Aug 2000
Mathematics Colloquium, Cuesta College, San Luis Obispo, CA	Apr 2000
Statistics Colloquium, UC Santa Barbara	Apr 2000
Mathematics Colloquium, University of Charleston	Mar 2000
Mathematics Colloquium, Armstrong Atlantic State U., Savannah	Mar 2000
Mathematics Colloquium, St. Andrews Presbyterian College, Savannah	Mar 2000
Science in Society Lecture, College of Science, Kennesaw State University	Mar 2000
GA State Academic Committee on Math Subjects, Valdosta	Feb 2000
Mathematics & Computer Science Colloquium, CGSU, Milledgeville	Jan 2000
Faculty Seminar, Georgia College & State Univ., Milledgeville (GCSU)	Jan 2000
Mathematics Colloquium, Mercer Macon	Jan 2000
Mathematics Colloquium, California Polytechnic University	Jan 2000
Mathematical Sciences Department, Chattahoochee Tech	Dec 1999
Mathematics Department, University of Memphis	Nov 1999
Mathematics & Computer Sci. Department, Rhodes College	Nov 1999
Mathematics Department, University of Tennessee at Martin	Nov 1999
Mathematics Department, Dyersburg State, TN	Nov 1999
Mathematics Department, Georgia Perimeter College	Oct 1999
Mathematics Department, Atlanta Metropolitan College	Oct 1999
Mathematics Department, Tri-County Technical College, SC	Oct 1999
Session on Stochastic Processes, AMS Meeting, Charlotte	Oct 1999
Mathematics Department, University of North Carolina, Charlotte	Oct 1999
Mathematics Department, Clemson University	Oct 1999
Mathematics Department, East Tennessee State University	Sep 1999
Mathematics Department, Milligan College, TN	Sep 1999
Mathematics Department, Tennessee Tech	Sep 1999
Statistics Department, University of Tennessee-Knoxville	Sep 1999
Mathematics Department, University of Tennessee-Knoxville	Sep 1999
Mathematics Department, Free University of Amsterdam	Sep 1999
Mathematics Department, Clark Atlanta University	Dec 1998
Mathematics Department, University of Pittsburgh	Dec 1998
Mathematics Department, U.S. Naval Academy, Annapolis	Nov 1998
Mathematics Department, University of Miami	Nov 1998
Mathematics Department, University of Southern Mississippi	Oct 1998
Mathematics Department, University of North Texas	Oct 1998
Accounting Department, Business School, Southern Methodist University	Oct 1998

Mathematics Department, Dekalb College	Oct 1998
Mathematics Department, Columbus State University	Sep 1998
Gambling Theory Seminar, Mathematics Department, U.C. Berkeley	Sep 1998
Mathematics Department, University of Augsburg	Jun 1998
Mathematics Department, California Polytechnic State University, San Luis Obispo	Mar 1998
Institute of Mathematical Sciences, California State University-Monterey Bay	Mar 1998
Mathematics Department, University of Tennessee-Knoxville	Mar 1998
Mathematics Department, Morris Brown College, Atlanta	Mar 1998
Mathematics Department, University of Alabama-Huntsville	Feb 1998
Mathematics Department, University of Tennessee-Chattanooga	Feb 1998
Mathematics Department, University of Alabama-Birmingham	Feb 1998
Mathematics Department, Dekalb College	Jan 1998
F. Lane Hardy Lecture, Columbus State University	Jan 1998
Mexican Mathematical Research Center (CIMAT), Guanajuato, Mexico	Jan 1998
Mathematical Psychology Seminar, University of Düsseldorf	Jul 1997
Special Krenzel Colloquium, University of Göttingen	Jun 1997
Mathematics Colloquium, University of Kiel	May 1997
Probability Seminar, National University of Mexico	Mar 1997
Probability Seminar, CIMAT Mexico (in Spanish)	Jan 1997
Stochastics Seminar, University of Utrecht	Nov 1996
Dynamics Colloquium, University of Amsterdam	Nov 1996
Stochastics Colloquium, Math Centrum, Amsterdam	Nov 1996
Mark Kac Lecture, Physics Laboratory, Utrecht	Nov 1996
Dutch National PhD Lectures, Utrecht	Fall 1996
Mathematics Department, University of Delft	Oct 1996
Mathematics Department, Chalmers University	Sep 1996
Sigma Xi College of Sciences Lecture, West Georgia College	May 1996
Mathematics Department, University of Charleston	Mar 1996
Mathematics Department, University of North Texas (Colloquium and Millican Lecture)	Nov 1995
Mathematics Department, University of Tennessee, Chattanooga	Nov 1995
Mathematics and Computer Science Department, Free University, Amsterdam	Aug 1995
College of Sciences Special Lecture, Georgia Tech	May 1995
Mathematics Department, University of Costa Rica, San Pedro (3 lectures, in Spanish)	Jan 1994
Mathematical Stochastics Department, University of Göttingen (in German)	Oct 1993
Mathematics Department, University of Groningen	Sep 1993
Mathematical Statistics Department, University of Münster	Jun 1993
Mathematics Department, Delft University of Technology	Sep 1992
Mathematical Stochastics Department, University of Göttingen	Aug 1992
Mathematics Department, Tel-Aviv University	Jul 1992
Mathematics Department, U. S. Military Academy, West Point	Sep 1991
Statistics Department, University of California, Berkeley	Aug 1991
Mathematics Department, Technical University of Eindhoven	Mar 1991
Mathematics Department, University of Amsterdam	Mar 1991
Mathematics Department, Technical University of Delft	Mar 1991
Mathematics Department, Sonoma State University	Feb 1991
Mathematics Department, College of Charleston	Nov 1990
Statistics Department, Purdue University	Nov 1990
Mathematical Stochastics Department, University of Göttingen	Aug 1990

Mathematics Department, University of Kiel (in German)	May 1989
Mathematics Department, University of Leiden	Apr 1989
Mathematics Department, Free University of Amsterdam	Apr 1989
Mathematics Department, Tel Aviv University	Mar 1989
Mathematics Department, University of Wuppertal (in German)	Nov 1988
Mathematical Stochastics Department, University of Göttingen (in German)	Nov 1988
Mathematics Department, Auburn University	May 1988
Mathematics Department, University of Queensland	Aug 1987
Mathematics Department, University of Melbourne	Jul 1987
Mathematics Department, Australian National University	Jul 1987
Mathematics Department, University of New South Wales	Jul 1987
Mathematics Department, University of Sydney	Jul 1987
Mathematics Department, Columbus College, Columbus	Feb 1987
Mathematics Department, U. S. Military Academy, West Point	Oct 1986
Applied Mathematics Department, University of Bonn (In German)	Jun 1986
Mathematical Stochastics Department, University of Göttingen	Jun 1986
Mathematics and Statistics Departments, Ohio State University	Apr 1986
Mathematics Department, University of Miami	Apr 1986
Faculty of Commerce, University of British Columbia	Dec 1984
Mathematics Department, University of Hawaii	Sep 1984
Mathematics Department, University of Nijmegen (In Dutch)	May 1983
Statistics Department, University of Tel-Aviv	Apr 1983
Mathematical Stochastics Department, University of Göttingen	Feb 1983
Mathematics Department, University of Eindhoven (In Dutch)	Dec 1982
Mathematics Department, University of Delft (In Dutch)	Dec 1982
Applied Mathematics Department, University of Bonn	Nov 1982
Stochastic Dynamic Programming Conference, University of Leiden	Nov 1982
Mathematics Department, Free University of Amsterdam	Aug 1982
Mathematics Department, University of Miami	Apr 1982
Mathematics Department, University of Hawaii	Apr 1980
Statistics Department, University of California, Berkeley	Oct 1979
Applied Mathematics Department, University of Bonn (In German)	Jul 1978

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OTHER RECENT RESEARCH & ACADEMIC VISITS

Free University of Amsterdam	Jun 2011
Invited guest, Nomenclature Committee, Amer. Chemical Soc. meeting, Boston, MA	Aug 2010
Free University of Amsterdam	Jun 2010
Free University of Amsterdam	May/Jun 2009
Free University of Amsterdam	Jun/Jul 2008
Free University Amsterdam	Jun 2007
University of Utrecht	Jun 2007
University of Bonn	May 2007
Jawaharlal Nehru University	Mar 2007

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GENERAL LECTURES

Cal Poly Evening Research Scholars in Residence Lecture, San Luis Obispo	Apr 2010
RAMS Lecture, San Luis Obispo	May 2009
Science Forum Lecture, Cuesta College, San Luis Obispo	Mar 2008
Cal Poly Evening Research Scholars in Residence Lecture, San Luis Obispo	Jan 2008
Introduction of General Wesley Clark, Jefferson-Jackson Dinner , Santa Barbara	Oct 2006
Cal Poly Evening Research Scholars in Residence Lecture, San Luis Obispo	May 2006
College of Science Special Lecture, Georgia Tech	May 1995
Northside Senior Citizen (PALS) Lecture, Sandy Springs	May 1995
Boy Scout Science Lecture, Atlanta	Apr 1992
SCITREK Scholar Lecture, Atlanta	Jan 1992
Mathematics Recruitment Lecture, North Springs High School, Atlanta	1992
<i>Futurescape</i> Mathematics Lecture, Georgia Tech	1990
Mathematics Lecture, Georgia Tech Super Student Day	1989
Keynote Speaker, Graduate Student Recruitment Day, Georgia Tech	Mar 1988
Mathematics Showcase Speaker, Georgia Tech	1982

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PUBLICATIONS

(Note that many of these articles are freely available through the [Cal Poly Digital Commons](#) website.)

1. Gender Gaps in the Mathematical Sciences: The Creativity Factor (with E. Rogers), accepted for publication in *The Mathematical Intelligencer*. [[ARXIV-PDF](#)]
2. The kilogram in the "New SI" (with A. Censullo and J. Miller), accepted for publication in *Chemistry International*. [PDF n/a]
3. A basic theory of Benford's Law (with A. Berger), *Probability Surveys* 8, 1-126 (2011). [[PDF](#)]
4. Unresolved concerns about the "new SI" (with J. Miller and A. Censullo), *Accreditation and Quality Assurance* 16 (12), 657-658 (2011). [[SPRINGER-PDF](#)]
5. Criticisms of the proposed "New SI". *Accreditation and Quality Assurance* 16 (8-9), 471-472 (2011). [[PDF](#)]
6. How to combine independent data sets for the same quantity (with J. Miller), *Chaos* 21(3) (2011) [[CHAOS-PDF](#)] [[ARXIV-PDF](#)].
7. A Stronger Conclusion to the Classical Ham Sandwich Theorem (with J.H. Elton), *European Journal of Combinatorics* 32 (2011) pp. 657-661. [[PDF](#)]
8. Towards a Better Definition of the Kilogram (with J. Miller and A. Censullo), *Metrologia* 48 (2011) pp. 83-86. [[PDF](#)]
9. Benford's Law Strikes Back: No Simple Explanation in Sight for Mathematical Gem (with A. Berger), *The Mathematical Intelligencer* Vol. 33, No. 1, 2011, pp. 85-91 . [[PDF](#)]
10. Conflations of Probability Distributions, *Transactions of the American Mathematical Society*, Vol. 363, No. 6, June 2011, pp. 3351-3372. [[AMS-PDF](#)] [[ARXIV-PDF](#)]
11. Knowing When to Stop, adaptation of *American Scientist* article selected as a chapter in [The Best Writing in Mathematics 2010](#), M. Pitici (ed.), Princeton University Press, pp. 145-157, 2011.
12. Fundamental Flaws in Feller's Classical Derivation of Benford's Law (with A. Berger), Mathematics arXiv, posted May 14, 2010. [[ARXIV-PDF](#)]
13. Cutting Cakes Carefully (with K.E. Morrison), *The College Mathematics Journal*, Vol. 41, No. 4, September 2010 pp. 281-288. [[PDF](#)]
14. Obituary for Lester E. Dubins (with D. Gilat and B. Sudderth), *Bernoulli News*, May 2010. [[PDF](#)]
15. Finite-state Markov Chains obey Benford's Law (with B. Kaynar, A. Berger, and A. Ridder), *SIAM J. Matrix. Anal. Appl.*, Vol. 32(3), pp. 665-684, 2011. [[ARXIV-PDF](#)]
16. [Hoisting the Black Flag](#), Letter to the Editor, *Notices of the American Mathematical Society* 57:01, January 2010, p. 7.
17. How to Publish Counterexamples in 1 2 3 Easy Steps, online publication on scribd.com, posted Sep 16,

2009. [[SCRIBD-PDF](#)]
18. [Knowing When to Stop](#), *American Scientist* 97, 126-133 (2009). [French translation](#) in *Pour la Science*, No. 381, July 2009.
 19. Counterexamples in the theory of fair division (with K.E. Morrison), Mathematics arXiv, posted Jan 15, 2009. [[ARXIV-PDF](#)]
 20. Scale distortion inequalities for mantissas of finite data sets (with A. Berger and K. Morrison), *Journal of Theoretical Probability* 21, 97-117 (2008). [[PDF](#)]
 21. [Gleaning the Cube](#), Response to Letters to the Editor, *American Scientist Online*, July-August 2007.
 22. [Your Number's Up](#), Response to Letters to the Editor, *American Scientist Online*, May-June 2007 (Online link is incorrect).
 23. Newton's method obeys Benford's law (with A. Berger), *American Mathematical Monthly* 114, 588-601 (2007). [[PDF](#)]
 24. [An exact value for Avogadro's number](#) (with R. Fox), *American Scientist* 95, 104-107 (2007).
 25. A Characterization of Newton Maps (with A. Berger), *ANZIAM J.* 48 211-223 (2006). [[PDF](#)]
 26. [Review of The Golden Ratio](#), Letter to the Editor, *Notices of the AMS*, **52**(6), 598 (2005).
 27. Regularity of Digits and Significant Digits of Random Variables (with Klaus Schürger), *Journal of Stochastic Processes and Their Applications* **115**, 1723-1743 (2005). [[PDF](#)]
 28. One-dimensional dynamical systems and Benford's Law (with A. Berger and L.A. Bunimovich), *Transactions of the American Mathematical Society* **357**, 197-219 (2005). [[PDF](#)]
 29. Constructing random probability distributions (with D. Sitton), *Abstract and Applied Analysis*, 453-468 (2004), Chuong, Nirenberg, and Tutschke (eds.), World Scientific Press. [[PDF](#)]
 30. [The General Is In](#), Letter to the Editor, *Newsweek*, October 13, 2003, p. 20.
 31. Necessary and sufficient condition that the limit of Stieltjes transforms is a Stieltjes transform (with J. Geronimo), *Journal of Approximation Theory* **121**, 54-60 (2003). [[PDF](#)]
 32. Maximin-share and minimax-envy in fair-division problems (with M. Dall'Aglio), *Journal of Mathematical Analysis and Applications* **281**, 346-361 (2003). [[PDF](#)]
 33. Lévy-like continuity theorems for convergence in distribution (with U. Krengel), Proceedings of the Göttingen Academy of Sciences, 2001, *Nachrichten der Akademie der Wissenschaften zu Göttingen*, 1-21 (2002). [[PDF](#)]
 34. Random probability measures with given mean and variance (with L. Bloomer), *Journal of Theoretical Probability* **15**, 919-938 (2002). [[PDF](#)]
 35. Extreme-value moment goodness-of-fit tests (with V. Perez-Abreu), *Annals of Institute of Statistical Mathematics* **53**, 543-551 (2001). [[PDF](#)]
 36. [Response to "Benfords Gesetz"](#), [Brief an die Herausgeber](#), *Deutsche Mathematische Verein, Mitteilungen* 3/2001, p. 4.
 37. Alternative empirical distributions based on weighted linear combinations of order statistics (with J. Mann), *Stochastic Analysis and Applications* **18**, 87-99 (2000). [[PDF](#)]
 38. Mathematical devices for getting a fair share, *American Scientist* **88**, 325-331 (2000). [[PDF](#)]
 39. The difficulty of faking data, *Chance* **26**, 8-13 (1999). [[PDF](#)]
 40. Goal problems in gambling theory, *Revista de Matemática* **6** No. 2, 125-132 (1999). [[PDF](#)]
 41. Constructions of random distributions via sequential barycenters (with M. Monticino), *Annals of Statistics* **26**, 1242-1253 (1998). [[PDF](#)]
 42. Fair-Division Problems, *Panem & Circenses* **10**, 16-27 (1998), University of Göttingen Stochastics Newsletter. [[PDF n/a](#)]
 43. On the basic representation theorem for convex domination of measures (with J. Elton), *Journal of Mathematical Analysis and Applications*, **228**, 449-446 (1998). [[PDF](#)]
 44. The first-digit phenomenon, *American Scientist* **86**, 358-363 (1998). [[PDF](#)]
 45. Benford Law, *Encyclopedia of Mathematics Supplement*, Vol. 1, p. 102, Kluwer (1997). [[PDF](#)]
 46. A note on distributions of true versus fabricated data, *Perceptual and Motor Skills* **83**, 776-778 (1996). [[PDF](#)]
 47. Strongly-consistent, distribution-free confidence intervals for quantiles (with D. Gilat), *Statistics and Probability Letters* **29**, 45-53 (1996). *Erratum* **31**, 245-6 (1997). [[PDF](#)]
 48. Strong laws for L - and U -statistics (with J. Aaronson, R. Burton, H. Dehling, D. Gilat, and B. Weiss),

- Transactions of the American Mathematical Society* **348**, 2845-2866 (1996). [[PDF](#)]
49. A statistical derivation of the significant-digit law, *Statistical Science* **10**, 354-363 (1995). [[PDF](#)]
 50. The significant-digit phenomenon, *The American Mathematical Monthly* **102**, 322-327 (1995). [[PDF](#)]
 51. Base invariance implies Benford's Law, *Proceedings of the American Mathematical Society* **123**, 887-895 (1995). [[PDF](#)]
 52. Minimax-optimal strategies for the best-choice problem when a bound is known for the expected number of objects (with D. Kennedy), *SIAM Journal on Control and Optimization* **32**, 937-951 (1994). [[PDF](#)]
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Leisuretime Inc. (1999-2000): Video Poker Calculations

Coca Cola International (1998): Statistical Testing

Scientific Games Inc. (1995-96): Probability Games

Eleven-Alive TV Channel 11 News (1996): Lottery schemes

Carnation Foods, Inc. (1991, 1993): Determination of sample risks
WAGA TV Channel 5 News (1990): Analysis of Florida lottery strategies
Nestle's Inc.(1988): Determination of "forward" and "backward" mixtures of bicomponent solutions
Atlanta Inquirer (1988): Explanation of "airplane" pyramid schemes (1988)
Tillinghast, Nelson and Warren (Atlanta) (1987): Analysis of statistics of Pepsico pension plan lawsuit
WAGA TV Channel 5 News and CBS National News (Dan Rather Show 1987): Analysis of "system" to beat national Beatrix lottery
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Physics Letters A
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Probability in Engineering and Information Sciences
Probability Theory and Related Fields
Proceedings of the American Mathematical Society
Proceedings of the AMS-IMS-SIAM Conference on Sequential Search
Proceedings of Mexican Mathematical Society Conference
Proceedings of the National Academy of Science
Psychological Reports
Revista de Matematica
Scandinavian Journal of Statistics
Sequential Analysis

SIAM Review
Statistics and Probability Letters
Social Choice and Welfare
Statistica Neerlandica
Stochastic Analysis and Applications
Stochastic Processes and Applications
South African Statistical Journal

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 Israel-U.S. Binational Science Foundation
 Mathematical Reviews
 NATO Scientific Exchange Program
 Zentralblatt für Mathematik
 Civilian Research and Development Foundation (CRDF)
 Israel Science Foundation

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Accreditation Committee, University of Sharjah and Amer. U. of Sharjah Feb 2007
 Mexican Mathematical Research Center (CIMAT) Jan 2000-2004

Science Panels

NSF Graduate Research Fellowship Program Panel, Washington, DC Feb 2006
 NSF POWRE Screening Panel, Washington, DC Apr 1998
 NSF Minority Screening Panel, Washington, DC Apr 1997
 NSF Probability Screening Panel, Washington, DC Dec 1996
 Fulbright Selection Committee, Bonn, Germany 1989

Scientific Organizing Committees

Scientific Organizing Committee SIMMAC XVII, Costa Rica 2010
 Scientific Organizing Committee SIMMAC XVI, Costa Rica 2008
 Scientific Organizing Committee SIMMAC XV, Costa Rica 2006
 Scientific Organizing Committee, ICM 2002 Hanoi Satellite Conference 2001-02
 Scientific Organizing Committee, Centralamerican Math. Conf. 1997
 Co-organizer, AMS Special Session on Stochastic Inequalities, Atlanta Oct 1997
 Steering Committee, Southeast Applied Analysis Center 1996-2001
 Organizer, Session on Optimal Stopping, INFORMS Conf., Atlanta Jun 1995
 Organizer, Workshop on Optimal Stopping, Free University, Amsterdam Jun 1993
 SCITREK Scholar Organizing Committee, Atlanta 1992-93
 Organizer, Miniconference on Martingales and Optimal Stopping, Atlanta Sep 1989
 Co-organizer, Special Session, AMS Annual Meeting 1988

Chaired Sessions in Scientific Meetings

Session on Optimal Control, SIMMAC XV, Costa Rica Feb 2006
 Probability Session, ICM 2002, Beijing Aug 2002
 Probability Session, ICAAA 2002, Hanoi Aug 2002
 Session on Partitioning, SPA '93, Amsterdam Jun 1993
 Probability Session, AMS Annual Meeting, San Antonio Jan 1993
 Analysis Session, International Congress of Mathematicians, Berkeley 1986
 Analysis Session, Annual AMS Meeting 1985

Miscellaneous

Co-Director, Georgia Tech, Center for Applied Probability 1995-96
 Fulbright Faculty Associate (for Boshuizen/Gouweleeuw) 1993
 President of Faculty Assembly, School of Mathematics, Georgia Tech 1992-93
 Visiting Professors Program, Georgia Tech May 1992
 ASSET Faculty Friend Program, Georgia Tech 1992-93
 Georgia Tech Whitewater Canoe Instructor 1984-89
 Faculty Advisor, Psi Upsilon Fraternity 1983-84, 1991-95

Faculty Advisor, Georgia Tech Scuba Club
Organizer/Co-organizer Georgia Tech Probability Seminar

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1977-2000

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