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Curriculum Vitae of Xiao-Li Meng

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Education:

November 1990	Ph.D. in Statistics – Harvard University (Advisor: D.B. Rubin)
June 1987	M.A. in Statistics – Harvard University (Advisor: D.B. Rubin)
July 1986	Diploma in Graduate Study of Mathematical Statistics – Research Institute of Mathematics, Fudan University, Shanghai, P.R. China
July 1982	B.S. in Mathematics – Fudan University, Shanghai, P.R. China

Appointments and Affiliations:

2012 – 2017	Dean, Graduate School of Arts and Sciences, Harvard University
2011 –	Faculty, Center for Health Statistics, The University of Chicago
2007 –	Whipple V.N. Jones Professor of Statistics, Department of Statistics, Harvard University
2004 – 2012	Chair, Department of Statistics, Harvard University (on leave 2010-2011)
2001 – 2007	Professor, Department of Statistics, Harvard University
1991 – 2005	Assistant Professor (1991-1997), Associate Professor (1997-2000), Professor (2000-2001), Research Associate (Professor) (2001-2005), Department of Statistics and the College, The University of Chicago
1993 – 2005	Faculty Research Associate, Population Research Center, National Opinion Research Center (NORC), The University of Chicago
1986 – 1990	Research and Teaching Assistant, Department of Statistics, Harvard University
1982 – 1984	Instructor of Mathematics, Department of Basic Science, China Textile University, Shanghai, P.R. China

Editorships:

2018 --	Founding Editor-in-Chief, *Harvard Data Science Review*
2012 – 2013	Editorial Board, *Stat*
2009 –2014	Editor, Statistics Series, IMS/CUP (Cambridge University Press) Monograph and Textbook Series
2008 –	Editorial Board, *Frontiers of Statistics*, Book Series by Higher Education Press (China)
2006 –	Editorial Board, *Chinese Annals of Mathematics*
2005 – 2008	Co-Chair Editor, *Statistica Sinica*
2004 – 2005	Editor, *Bayesian Analysis*
2004 – 2005	Associate Editor, *Bernoulli*
2002 – 2005	Associate Editor, *Biometrika*
1997 – 2003	Associate Editor, *The Annals of Statistics*
1996 – 2002	Associate Editor, *Journal of the American Statistical Association*
1992 – 1997	Associate Editor, *Statistica Sinica*

Professional Committees and Panels:

2017-2019	President Elect (17-18), President (18-19), Institute of Mathematical Statistics (IMS)
2017-2018	Founding President, New England Statistical Society
2012 – 2015	Council, IMS
2010	Chair, Publication Committee, International Chinese Statistical Association (ICSA)
2007 –	Advisory Committee, International Society for Biopharmaceutical Statistics (ISBS)
2007 – 2009	Board, International Society of Bayesian Analysis (ISBA)
2006 – 2009	Council, Institute of Mathematical Statistics (IMS)
2006 – 2007	Science Policy Task Force, American Statistical Association (ASA)

2005 – 2009	Panel on Correlation Bias and Coverage Measurement in the 2010 Decennial Census, Committee on National Statistics, National Academies of Science
2005 – 2007	Committee on Special Lectures, IMS
2003 – 2011	Committee on Meetings, ASA; Chair (2005-2011)
2003 – 2007	Committee on International Relations in Statistics, ASA
2003 – 2005	Committee on Nominations, IMS
2001 – 2002	Committee on Nominations, ASA
1996 – 1999	Board of Directors, (ICSA)
1998 – 1999	Nomination Committee, ICSA
1995 – 1997	Regional Advisory Board, ENAR, The International Biometric Society

Conference Committees:

2017-2019	Organizing Committee of Bayesian, Fiducial and Frequentist (BFF) Workshops (BFF4 at Harvard 2017, BFF5 at U of Michigan 2018, and BFF6 at Duke 2019)
2011	Chair, Organizing Committee, Workshop on Infusing Statistics and Engineering (WISE), Harvard.
2009 – 2010	Organizing Committee, ISBA 10 Conference, 2010.
2005 – 2006	Co-Chair, Graybill Conference, Colorado State University.
2002 – 2004	Chair, Program Committee for 2004 Joint Statistical Meetings (JSM).
1999 – 2001	Program Committee, 2001 Applied Statistical Symposium, ICSA.
2000 – 2001	Program Committee, 5th ICSA Statistical Conference (Hong Kong).
1999 – 2000	Program Committee, Biometric Society (ENAR) 2000 Spring Meeting.
1997 –	Conference Committee (Chair, 97-99), ICSA.
1998 – 1999	Chair, IMS Program Committee for the 1999 JSM.
1998	Program Committee, Taipei International Statistical Symposium.
1997 – 1998	Conference Coordinator, 4th ICSA Statistical Conference (Kunming, China).
1996 – 1997	IMS Program Committee for the 1997 ENAR Spring Meeting.
1996	Program Chair, ICSA Annual Meeting; Organizer, JSM/ENAR Invited Session.
1995	Co-organizer, IMS/ASA invited panel on “Speeding the Referee Process”.
1994 – 1995	Program Committee, the 3rd ICSA Statistical Conference (Beijing, China).

Departmental and University Services:

2018-	Chair, Senior Search Committee, Department of Statistics, Harvard University
2018-	Executive Committee, Quantitative Biology Initiative, Harvard University
2018-	Steering Committee and Planning Committee, Harvard Data Science Initiative
2018-	Co-chair, Standing Committee on Data Science, SEAS, Harvard University
2015	Visiting Committee, Dept. of Statistics, University of California at Berkeley
2012	Visiting Committee, Dept. of Management Science and Statistics, University of Texas at San Antonio.
2012	Visiting Committee, Department of Statistics, University of Virginia.
2011	Search Committee, for Richard L. Menschel Faculty Director of the Derek Bok Center for Teaching and Learning, Harvard University.
2011 – 2012	Computational Science and Engineering Program Committee, School of Engineering and Applied Sciences (SEAS), Harvard University.
2009 – 2010	Summa Subcommittee, FAS Faculty Council, Harvard University.
2008	Visiting Committee, Department of Statistics, Yale University.
2008 – 2017	Graduate Policy Committee, Graduate School of Arts and Sciences (GSAS), Harvard University.
2007 –	Steering Committee, Institute of Quantitative Social Science (IQSS), Harvard University.
2007 – 2009	Committee on Undergraduate Education (CUE), Harvard University.
2007 – 2010	Elected Member, Faculty of Arts and Sciences (FAS) Faculty Council, Harvard University.
2006 – 2007	Task Force on Teaching and Career Development, FAS, Harvard University.
2006	Visiting Committee, Department of Statistics, Wharton School, University of Pennsylvania .
2005 – 2012	Chair, Standing Search Committee in Statistics, Harvard University.
2004 – 2010	Committee on Pedagogical Improvement, FAS, Harvard University.
2004 – 2012	Committee on Higher Degrees in the Public Health Sciences and Subcommittee on the Degree of Doctor of Philosophy in Biostatistics, Harvard University.
2004 – 2006	Co-Head Tutor, Department of Statistics, Harvard University.

2004 – 2005	Provost's Committee on "Spatial Analysis", Harvard University.
2001 – 2006	Committee on Undergraduate Studies in Applied Mathematics, Harvard University.
2001 – 2002	Director of Graduate Studies, Department of Statistics, Harvard University.
1999 – 2001	Graduate Student Counselor, Department of Statistics, The University of Chicago.
1992 – 2000	Admissions Committee (Chair 1998 - 2000), Department of Statistics, The University of Chicago.
1997 – 2000	Board of Computing Activities, The University of Chicago.
1998 – 1999	Computing and Networking Committee, Physical Sciences Collegiate Division, The University of Chicago.
1998 – 1999	Curriculum Committee, Physical Sciences Collegiate Division, The University of Chicago.
1991 – 1994	Director, Consulting Program, Department of Statistics, The University of Chicago.

Refereed for:
The American Statistician; The Annals of Statistics; Bernoulli; Biometrics; Biometrika; British Journal of Mathematical and Statistical Psychology; Canadian Journal of Statistics; Communications of Statistics; Computational Statistics and Data Analysis; Environmental and Ecological Statistics; Genetics Selection Evolution; IEEE Transactions on Information Theory; IEEE Transactions on signal Processing; Journal of The American Statistical Association; Journal of Computational and Graphical Statistics; Journal of Econometrics; Journal of Educational and Behavioral Statistics; Journal of Multivariate Analysis; Journal of Nonparametric Statistics; Journal of Official Statistics; Journal of The Royal Statistical Society; Psychometrika; Scandinavian Journal of Statistics; Lifetime Data Analysis; Sociological Methodology; Sociological Methods Research; Statistics and Computing; Statistical Computation and Simulation; Statistics and Probability Letters; Statistica Neerlandica; Statistica Sinica.

Honors and Awards:

2015	Statistician of the Year, ASA Chicago Chapter
2014	Leadership for Inclusion and Diversity Award, Commonwealth of Mass Asian American Commission
2014	Marvin Zelen Leadership Award in Statistical Science, Biostatistics, Harvard School of Public Health
2013	Hoopes Prize (in Supervising and Nominating Keli Liu's Senior Thesis), Harvard University
2013	Founders Award, ASA
2012	Inaugural ICSA Pao-Lu Hsu Award for "fundamental contributions to research and education by a statistician under the age of fifty."
2011	Distinguished Alumni Award, Fudan University.
2011	Mosteller Statistician of the Year, ASA Boston Chapter.
2010	Medallion Lecturer, IMS.
2008	ICSA Distinguished Service Award.
2006 –	Honorary Professor, The University of Hong Kong.
2006	Annual Australian Mathematical Sciences Institute (AMSI) Lecturer.
2003	ICSA Distinguish Achievement Award.
2002	*Science Watch* (May/June 2002) Ranking: Ranked among the world top 25 most cited mathematicians for articles published and cited during 1991-2000.
2001	COPSS (Committee of Presidents of Statistical Societies) Award for "The outstanding statistician under the age of forty."
1997 – 1998	University of Chicago Faculty Award for Excellence in Graduate Teaching.

Keynote Speeches and Honorary Lectures:

On Pedagogy and Professional Development

2018	Keynote Speaker, MCB Research Retreat, Harvard (September 15) *Learning Statistics via Its Paradoxes: From Personalized Treatment (Simpson's Paradox) to 2016 Elections (The Big-Data Paradox)*
2018	Keynote Speaker, National Collegiate Research Conference, Harvard (January 22) *Gaining Statistical Insights (and Research Ideas) via Its Paradoxes: From Personalized Treatment (Simpson's Paradox) to 2016 Elections (The Big-Data Paradox)*
2017	Banquet Speaker, Shanghai Development Research Foundation, Shanghai (July 7) *Big Data Era: More Smart Machines or More Smart People?*

2017 Convocation Speaker, Departments of Mathematics and Statistics, University of Illinois at Urbana-Champaign. (May 13).

2016 Banquet Speaker, 4th ICISE (International Conference on the Interface between Statistics and Engineering), Palermo, Italy (June 20). *It Is the Time to Consider Marriages …*

2015 Presidential Invited Address, 43rd Annual Meeting of the Statistical Society of Canada**,** Halifax, Nova Scotia (June 15) *Lifelines for Statistics (and Statisticians): Generalists, Specialists, or Your-lists?*

2015 Anna and Samuel Pinanski Lecture, Wellesley College (April 8) *Three sides of the same coin: Teaching, Research, and Learning (Or Personalized Treatment: Sounds heavenly, but where on Earth can they find the right guinea pig for me?)*

2015 Opening Ceremony Speaker, 2nd International Workshop on Frontiers of Statistics with Applications to Finance, Fudan U, Shanghai (July 5) *Bigger Data, Deeper Learning, and Better Understanding*

2014 Closing Ceremony Speaker, National Collegiate Research Conference, Harvard (January 25) *Research Cultivation and Culmination.*

2013 Banquet Speaker, ICSA 2013 Applied Statistics Symposium/ISBS International Symposium on Biopharmaceutical Statistics Joint Meeting, Bethesda, MD (June 11) *From t to T*

2013 Plenary Speaker, United States Conference on Teaching Statistics 2013, Raleigh-Durham (Research Triangle), North Carolina (May 18) *Energizing Higher Education for Statistics and Beyond: $T = (IE)^2$*

2011 Plenary Presentation, Joint 2011 Conference, Taiwan (December 18) *Statistical Education and Educating Statisticians: Producing Wine Connoisseurs and Master Winemakers*

2011 Keynote Address, The 12th World Conference: Fudan University Alumni Association, Bethesda, MD (May 7) *Pedagogical Innovations and Professional Development: Some Harvard's New Stories*

2011 President Invited Address, ENAR 2011 Spring Meeting, Miami, FL (March 22) *Generalists and Specialists: A Contemplation of the Vitality of Statisticians via Paradoxes*

2010 Keynote Address, Annual Meeting of Swedish Statistical Society, Stockholm (March 25) *The Making of Sexy Statistics (and Statisticians): Some Harvard Experiments*

2010 Banquet Speaker, Florida Chapter ASA Annual Meeting, Tallahassee, FL (February 19) *Life is Like a Box of Chocolates …*

2009 Keynote Speaker, Minghui Yu Memorial Day, Statistics, Columbia University (April 11) *Think Outside the Box but Stay Inside the Circle*

2003 Keynote Speaker, The Sixth North American Meeting of New Researchers in Statistics and Probability Davis, CA (July 31) *Think Outside the Box but Stay Inside the Circle – An Incomplete (Idiot's) Guide to Being an Excited and Exciting Statistical Researcher*

On Research and Interdisciplinary Exchanges and Disseminations

2019 Menger Lecture, Department of Applied Mathematics, Illinois Institute of Technology (April 1)
How Small Are Our Big Data: Turning the 2016 Surprise into a 2020 Vision

2019 Data Analysis Keynote, DataFest 2019, Harvard (January 22)
How Small Are Our Big Data: Turning the 2016 Surprise into a 2020 Vision

2018 Keynote Speaker, NextGen: Data Science Day, NESS, Yale University (October 27)
How Small Are Our Big Data: Turning the 2016 Surprise into a 2020 Vision

2018 National Science Foundation Distinguished Lecture, NSF (November 15)
Does Data Size Matter? Absolutely, But Maybe Not in Ways You Expect …

2018 Plenary Speaker, 2018 IMS New Researcher Conference, Simon Fraser University (July 28)
A Trio of Inference Problems That Could Win You a Nobel Prize in Statistics (if you help fund it)

2018 27th Annual Arnoff Schloss Lecture, Lindner College of Business, University of Cincinnati (April 18)
How Small Are Our Big Data: Turning the 2016 Surprise into a 2020 Vision

2018 Keynote Speaker, Michigan Student Symposium for Interdisciplinary Statistical Sciences (April 3)
A Trio of Inference Problems That Could Win You a Nobel Prize in Statistics (if you help fund it)

2017 Keynote Speaker, ICSA Applied Statistical Symposium, Chicago (June 25)
Personalized Treatment: Sounds Heavenly, But Where on Earth Did They Find the Right Guinea Pig for Me?

2017 Banquet Speaker, 2017 Spring Research Conference (SRC), Rutgers University (May 18)
Big Data, Big Surprises?

2017 Bahadur Memorial Lectures, Department of Statistics, The University of Chicago
There is Individualized Treatment. Why Not Individualized Inference? (April 19)
From Eckhart Hall to (almost) White House: An Unexpected Statistical Journey (Or: How small are my big data?) (April 20)

2017 Hogg and Craig Lectures, Statistics & Actuarial Science Department, The University of Iowa
From Euler to Clinton: An Unexpected Statistical Journey (Or: Size Does Matter, But You Might Be in for a Surprise…) (March 29)
Bayesian, Fiducial, and Frequentist (BFF): Best Friends Forever? (March 30)

2017 Celebrating the 50th Anniversary of The University Of Calgary Public Lectures: University Calgary
From Euler to Clinton: An Unexpected Statistical Journey (Or: Size Does Matter, But You Might Be in for a Surprise…) (March 16)
Bayesian, Fiducial, and Frequentist (BFF): Best Friends Forever? (March 17)

2016 Banquet Speech, 10th ICSA International Conference on Global Growth of Modern Statistics in the 21st Century, Shanghai Jiao Tong University (December 20)
From Euler to Clinton: The Beauty and Power of Statistical Theory

2016 Plenary Speaker, Royal Statistical Society (RSS) 2016 Conference, Manchester, England (September 6). *Statistical Paradises and Paradoxes in Big Data*

2016 Plenary Speaker, International Indian Statistical Association (IISA) 2016 Conference, Oregon State University, Corvallis, Oregon (August 20). *Statistical Paradises and Paradoxes in Big Data*

2016 Lecturers That Last (LTL), Harvard University (February 6) *Marriages that Last*

2016 IAS (Institute for Advanced Study) Distinguished Lecture, Hong Kong University of Sciences and Technologies (HKUTS), Hong Kong (January 18). *Statistical Paradises and Paradoxes in Big Data*

2016 AMS-MAA Invited Address, 2016 Joint Mathematical Meetings (JMM), Seattle (January 6) *Statistical Paradises and Paradoxes in Big Data*

2015 Statistician of the Year Award Presentation, ASA Chicago Chapter, Chicago (October 20) *Statistical Paradises and Paradoxes in Big Data*

2015 Keynote Speaker, 2015 Johnson and Johnson Pharma Statistics Conference, Titusville, NJ (November 3) *Let the data speak, but let the statisticians translate …*

2015 President's Invited Address, International Association of Statistical Computing, 60th World Statistics Congress (ISI), Rio, Brazil (July 28) *Is it a computing algorithm or a statistical procedure: Can you tell or do you care?*

2015 Keynote Speaker, 12th Annual Conference on Frontiers in Applied and Computational Mathematics, New Jersey Institute of Technology (June 6) *Is it a computing algorithm or a statistical procedure: Can you tell or do you care?*

2015 Keynote Speaker, 4th Workshop on Biostatistics and Bioinformatics, George State University (May 9) *Personalized Treatment: Sounds heavenly, but where on Earth did they find the right guinea pig for me?*

2014 Marvin Zelen Leadership Award Lecture, Department of Biostatistics, Harvard School of Public Health (May 23) *Personalized Treatment: Sounds heavenly, but where on Earth did they find the right guinea pig for me?*

2013 Pao-Lu Hsu Award Lecture, The Ninth ICSA International Conference, Hong Kong (December 20) *A Trio of Inference Problems That Could Win You a Nobel Prize in Statistics (if you help fund it)*

2013 Plenary Speaker, Frontiers of Statistics and Forecasting, Taipei (December 18) *Being an Informed Bayesian: Assessing Prior Informativeness and Prior–Likelihood Conflict*

2013 Distinguished Lectures, Fields Institute. Toronto (November 14) *Trivial Mathematics but Deep Statistics: Simpson's Paradox and Its Impact on Your Life* (November 15) *Who is crazier: Bayes or Fisher?*

2013 Keynote Speaker, International Ars Conjectandi Conference, Basal, Swiss (October 6) *A Trio of Inference Problems that Could Win You a Nobel Prize in Statistics (If You Help Fund It)*

2013 Banquet Speaker, 2013 Spring Research Conference on Statistics in Industry and Technology, UCLA (June 21) *How Frequently Do You Like to be Patted Down at Airports?*

2013 Closing Keynote Speaker, DAGStat 2013, Freiburg, Germany (March 22) *I got more data, my model is more refined, but my estimator is getting worse! Am I just dumb*?

2012 Keynote Speaker, Workshop on Statistical Frontiers, Taipei (December 18) *I got more data, my model is more refined, but my estimator is getting worse! Am I just dumb*?

2012 Keynote Speaker, European Seminar on Bayesian Econometrics, Vienna (November 1) *I got more data, my model is more refined, but my estimator is getting worse! Am I just dumb*?
[Video: http://www.wu.ac.at/wutv/clips/20121101-esobe]

2012 Keynote Speaker, Southern Regional Council on Statistics Summer Research Conference (June 5) *Machine Learning with Human Intelligence: Principled Corner Cutting (PC^2)*

2012 Keynote Speaker, Workshop on Advances in Markov Chain Monte Carlo, Edinburgh (April 24) *Thank God that regressing Y on X is not the same as regressing X on Y: interweaving residual augmentations*

2011 Inaugural Lecturer, Center for Health Statistics, The University of Chicago (May 25) *Mental Exercises for a Mental Health Study: Is this a Simpson's Paradox or Stigler's Law?*

2011 Rustagi Memorial Lecturer, Statistics, Ohio State University, Columbus (May 12) *Can terrorists be caught with a probability larger than one?*

2011 Keynote Speaker, The 13th Symposium on Biostatistics in Psychiatry, Columbia University and New York State Psychiatry Institute (May 2) *Mental Exercises for a Mental Health Study: Is this a Simpson's Paradox?*

2011 Shumway Lecture, Statistics, UC Davis, Davis, CA (April 14) *Simpson's Paradox and its Impact on Your Life*
[Video: http://webcast.ucdavis.edu/flashv2/?file=STA/2011/Shumway_Meng_4-14.flv]

2011 Mosteller Statistician of the Year Award Presentation, ASA Boston Chapter, Simmons College (February 15) *Can terrorists be caught with a probability larger than one?*

2011 Special Tutorial, 2011 Information Theory and Applications Workshop, UC San Diego, CA (February 9) *The Full Monte Carlo: A Live Performance With Stars.*
[Video: http://www.youtube.com/watch?v=-pMp-NtZyio]

2010 Plenary Speaker, NIPS (Neural Information Processing System) Conference, Vancouver (December 7) *Machine Learning with Human Intelligence; Principled Corner Cutting (PC^2)*
[Video: http://videolectures.net/nips2010_vancouver/]

2010 The 2010/11 Constance van Eeden Distinguished Lecturer, Department of Statistics, U of British Columbia (October 1) *Trivial Mathematics but Deep Statistics: Simpson's Paradox and Its Impact on Your Life*

2010 Medallion Lecture, Joint Statistical Meetings, Vancouver (August 2) *What can we do when EM is not applicable? Self-consistency: A General Recipe for Semi-parametric and Non-parametric Estimation with Incomplete and Irregularly Spaced Data.*

2010 Mathematics Distinguished Lecture Series, University of Central Florida (February 18) *Trivial Mathematics but Deep Statistics: Simpson's Paradox and Its Impact on Your Life*

2009 Distinguished Lecture, Department of Mathematics and Statistics, U of Mass Amherst (September 24) *Trivial Mathematics but Deep Statistics: Simpson's Paradox and Its Impact on Your Life*

2009 Keynote Speaker, The 10th Symposium on The Uniform Design Association of China and 2009 Xi'an Symposium on Applied Statistics (July 14) *Markov Chain Monte Carlo Designs and Statistics: A Live Performance*

2009 Banquet Speaker, Symposium on Games and Decisions in Reliability and Risk, George Washington University (May 28) *Volatility and Extreme Events: How Reliable was Larry Summers' calculation?*

2009 Izzet Sahin Memorial Lecture, Sheldon B. Lubar Business School, University of Wisconsin-Milwaukee (April 17) *Quantifying the Fraction of Missing Information for Hypothesis Testing in Statistical and Genetic Studies*

2008 Keynote Speaker, ISBA Conference 2008, Hamilton Island, Australia (July 22) *A Theory of (Un)congeniality (between Bayesian and frequentists?)*

2008 Plenary Speaker, MCMSki II: MCMC in Theory and Practice, Bormio, Italy (January 9) *The Full Monte Carlo: A Live Performance (with Stars)*

2007 Taikang Lecture, International Conference of Chinese Mathematicians, Hongzou, China (December 19) *Trivial Mathematics but Deep Statistics: Simpson's Paradox and Its Impact on Your Life*

2007 Keynote Speaker, Wavelets XII, SPIE Optics & Photonics conference, San Diego, CA (August 29) *Self-Consistency: A General Recipe for Wavelet Estimation with Irregularly Spaced and/or Incomplete Data*

2007 Keynote Speaker, Southern Ontario Statistics Graduate Student Seminar Day, U. of Toronto (May 11) *(Data) Size Does Matter, But You Might Be In for a Surprise ….*

2007 Bradley Lecture, Department of Statistics, University of Georgia (April 27) *The Full Monte Carlo: A Live Performance*

2006 Plenary Speaker, 2006 Cross Strait Symposium, Taiwan (July 29) *Espousing Classic Statistics with Modern Computation: Sufficiency, Ancillarity, and the Next Generation of MCMC*

2006 Closing Keynote Speaker, 2006 Australia Statistical Association/New Zealand Statistical Association Conference, Auckland, New Zealand (July 6)
(*Data*) *Size Does Matter, But You Might Be in for a Surprise …*

2006 President Invited Address, 2006 WNAR (International Biometric Society)/IMS meeting, Flagstaff, AZ (June 28) (*Data*) *Size Does Matter, But You Might Be in for a Surprise …*

2006 Opening Keynote Speaker, 2006 ICSA Applied Statistical Symposium, Storrs, CO (June 15) *Life becomes more colorful when you know EM, Bayes, and Wavelets …*

2005 Banquet Speaker, 4th Graybill Conference, Fort Collins, CO (June 2) *How 'Crude' is a University President's Calculation?*

2004 Closing Lecturer, International Society of Bayesian Analysis 2004 World Meeting, Vina del Mar, Chile (May 27) *Sometimes It Is Possible to Quantify Ignorance: The Case of SOUP*

2003 Keynote Speaker, The Seventeenth New England Statistical Symposium, Storrs, CO (April 26) *Statistical Relative Information in Genetic Hypothesis Testing: Theory and Methods*

Research Grants and Awards:

1992 Travel Award by The Biometric Society (ENAR) for International Biometric Conference, New Zealand.

1986 – 1988 Harvard Fellowship.

From National Science Foundation:

2018-2021 "Collaborative Research: Highly Principled Data Science for Multi-Domain Astronomical Measurements and Analysis" (PI)

2018-2021 "Probabilistic Underpinning of Imprecise Probability and Statistical Learning with Low-Resolution Information" (PI)

2015-2018 "Collaborative Research: Principled Science-Driven Methods for Massive, Intricate, and Multifaceted Data in Astronomy and Astrophysics" (PI)

2012-2015 "Building a Theoretical and Methodological Framework for Collaborative Statistical Inference and Learning: Multi-party and Multiphase Paradigms," (PI)

2012-2015 "Collaborative Research: Advanced Statistical and Computational Methods for Emerging Challenges in Astronomy and Astrophysics" (PI)

2009 – 2012 "Collaborative Research: New MCMC-enabled Bayesian Methods for Complex Data and Computer Models Applied in Astronomy" (PI)

2007 – 2010 "Statistical Evaluation of Model-Based Uncertainties Leading to Improved Climate Change Projections at Regional to Local Scales" (Co-PI)

2007 – 2010 "Over-complete Representation with Incomplete Data: Theory, Algorithms, and Signal Processing Applications" (Co-PI)

2005 – 2008 "Practical Perfect Sampling for Bayesian Computations, and Engineering and Financial Applications" (PI)

2004 – 2007 "Highly Structured Models and Statistical Computation in High-Energy Astrophysics" (PI)

2002 – 2005 "Self-Consistency and Wavelet Regressions with Irregular Designs" (PI)

2000 – 2003 "Statistical Information in Genetic Studies: Theory and Methods" (PI)

1997 – 2000 "Multiple Imputation Inferences with Public-use Data Files and Frequentist Properties of Bayesian Procedures" (PI)

1995 – 1996 "Model-based Statistical Inference and Data Analysis" (Co-PI)

1992 – 1994 "Statistical Inferences for General Models" (Post-Doc)

From National Security Agency:

1999 – 2001 "Weighted Bridge Sampling with Applications to Genetic Linkage Analysis" (PI; Young Investigators Grant)

1996 – 1998 "Bridge Sampling – An Efficient Monte Carlo Scheme for Computing Normalizing Constants" (PI; Young Investigators Grant)

From John Templeton Foundation:

2015-2018 "Questing for Objective Inference: A Missing (Data) Perspective for a Missing Grail" (PI)

Memberships in Professional Societies:

American Statistical Association (Elected Fellow, 2004)
Institute of Mathematical Statistics (Elected Fellow, 1997; Lifetime Member)
International Chinese Statistical Association (Lifetime Member)
International Society for Bayesian Analysis (Lifetime Member)
Royal Statistical Society (United Kingdom)
Korean International Statistical Society (Lifetime Member)

Interviews and Media Coverage:

"Interview with a Distinguished Scholar: A Conversation with Professor Xiao-Li Meng" by Vanja Dukic, January 2006, *ICSA Bulletin*, pp 19-28.

"Making statistics not just palatable, but delicious" by Corydon Ireland, *Harvard Gazette*, April 24, 2008

"Teaching Matters: Support for Graduate Student Teaching" by Susan Cassidy, *Colloquy* (GSAS Alumni Quarterly, Harvard University) 2009 Winter Issue, pp 6-7.

"Viewing the World Through the Lens of Statistics" (in Mandarin) Live interview on *Talk Tonight*, *KTSF TV station* (San Francisco), June 22, 2009. [Video: http://www.youtube.com/watch?v=2gk91X8lEF8]

"Xiao-Li Meng: Fudan was the beginning of my journey" (In Chinese) *Fudan Tribe*, Vol 2, 2009, pp 102-103

"Xiao-Li Meng: A bridge between Harvard and Fudan" (In Chinese) *Fudan,* September 3, 2009, p. 7.

"A much appreciated seminar on professional development" (In Chinese) *SinoAmerican Time*s, October 2, 2009.

"How to be an effective department chair? (Part I)" (In Chinese) *Fudan,* June 9, 2010, p. 6.

"How to be an effective department chair? (Part II)" (In Chinese) *Fudan,* June 17, 2010, p. 6.

"Om att reformera statistikutbildningen (To reform statistics education)" (In Swedish) *Qvintensen* , No. 2, 2010, pp 8-9.

"Lecture will examine logic behind airport pat-downs" *onCampus*, Ohio State University, May 4, 2011.

"Real-Life Statistics: Your Chance for Happiness (Or Misery)" Course trailer winning 2011 ASA "Promoting the Practice and Profession of Statistics" Video Competition (Trailer made by Cassandra W. Pattanayak and Paul T. Edlefsen).

"Xiao-Li Meng discusses Harvard's General Education Reform" (In Chinese) *Fudan Youth*, June 21, 2011.

"Xiao-Li Meng: I Choose Harvard …" *Colloquy* (GSAS Alumni Quarterly, Harvard University) Fall/Winter 2011, 17.

"Fresh Perspectives: An Interview with Dean Meng" by Anji Tang, *The Harvard Undergraduate Research Journal* , Vol 5 Issue 2, Fall 2012.

"Some XL Proposals to Help You Converge to a Better Statistical (Life) Philosophy" by Jessica Hwang and Keli Liu, ICSA *Bulletin,* July, 2014, 105-112.

"GSAS Writer's Night: An Evening with Dean Xiao-Li Meng" Hosted by Suzanne Smith, the Founding Director of Center for Writing and Communicating Ideas, Graduate School of Arts and Sciences (GSAS), Harvard, Youtube, September 27, 2016.

"More Smart Machines, but Even More Smart People" (In Chinese) Summary of invited speech at Shanghai Development Research Foundation (on July 7, 2017) Wenhui Daily (WeChat), Shanghai, July 17, 2017

Publications:

Books:

Gelman, A and **Meng, X.-L.** (eds) (2004). *Applied Bayesian Modeling and Causal Inference from Incomplete-data Perspectives.* U.K.: Wiley & Sons.

Brooks, S., Gelman, A, G. Jones and **Meng, X.-L.** (eds) (2011). *Handbook on Markov Chain Monte Carlo: Methods and Applications.* Chapman & Hall/CRC Press.

Agresti. A. and **Meng, X.-L.** (eds) (2012). *Strength in Numbers: The Rising of Academic Statistics Departments in the U. S.* Springer.

Patent:

A framework for wavelet-based analysis and processing of color filter array images with applications to denoising and demosaicing (Jointly with Keigo Hirakawa and Patrick Wolfe). Application Number: 20100092082

Publications on Pedagogy, Professional Development, and Profession Building and Outreach:

0.1 **Meng, X.-L.** (2004). President Invited Column: "Statistics Departments: Time for the Second Divorce?" *Amstat News*, November, p. 2-3.

0.2 **Meng, X.-L.** (2008). Changing Our Review Culture: Younger and Faster. *IMS Bulletin*, **Vol 37(2)**, p. 10.

0.3 **Meng, X.-L.** (2008). Harvard Statistics: Quintuple Celebrations and Celebrating Quintuples. *Amstat News*, August, p. 8-9.

0.4 **Meng, X.L**. (2009). A (Hopefully) Well Accepted Statistical Theory of Rejection. *IMS Bulletin*, **Vol 38(5)**, p. 16.

0.5 **Meng, X.-L.** (2009). Statistics: Your Chance for Happiness (or Misery). *Op-ed for The Harvard Undergraduate Research Journal,* **Vol 2(1)**, p. 21-26**.**

0.6 **Meng, X.-L.** (2009). AP Statistics: Passion, Paradox, and Pressure (Part I.) *Amstat News*, December, p. 7-10.

0.7 **Meng, X.-L.** (2010). AP Statistics: Passion, Paradox, and Pressure (Part II). *Amstat News*, January, p. 5-9.

0.8 **Meng, X.-L**. (2009). Desired and Feared – What Do We Do Now and Over the Next 50 Years? *The American Statistician*, **Vol 63(3)**, p. 202-210.

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11 Servidea, J. and **Meng, X.-L.** (2006). Statistical Physics and Statistical Computing: A Critical Link. *Frontiers in Statistics: Dedicated to Peter John Bickel in Honor of his 65th Birthday* (Eds: J. Fan and H.L. Koul). London: Imperial College Press, 327-244.

12 **Meng, X.-L.** (2008). Inference, Statistical. *International Encyclopedia of the Social Sciences.* Ed. William A. Darity, Jr.. Vol. 4. 2nd ed. Detroit: Macmillan Reference USA, 15-18.

13 **Meng, X.-L**. (2009). Automated Bias-variance Trade-off: Intuitive Inadmissibility or Inadmissible Intuition? In *Frontiers of Statistical Decision Making and Bayesian Analysis: in honor of James O Berger's 60th Birthday* (Eds: M-H Chen, D-K. Dey, P. Mueller, D. Sun, and K. Ye). Springer, New York, 95-112.

14 **Meng, X.-L.** (2011). Multi-Party Inference and Uncongeniality. *International Encyclopedia of Statistical Science* (Ed: Miodrag Lovric). Springer, New York, 884-888.

15 **Meng, X.-L.** (2011). What's the H in H-likelihood: A Holy Grail or An Achilles' Heel? (with discussions) In *Bayesian Statistics 9 (*Eds. J. M. Bernardo, M. J. Bayarri, J. O. Berger, A. P. Dawid, D. Heckerman, A. F. M. Smith and M. West). Oxford University Press, 473-500.

16 Craiu, R and **Meng, X.-L.** (2011). Perfection within Reach: Exact MCMC Sampling. In *Handbook on Markov Chain Monte Carlo*: *Methods and Applications* (Eds: S. Brooks, J. Galin, A. Gelman, and X.-L., Meng). Chapman & Hall/CRC Press, 199-226.

17 **Meng, X.-L**. (2014). A Trio of Inference Problems that Could Win You a Nobel Prize in Statistics (If You Help Fund It). In *Past, Present, and Future of Statistical Science* (Eds: X. Lin, et. al), CRC Press, pp. 537-562.

Research Articles in Un-refereed Conference Proceedings:

1 **Meng, X.-L.** and Rubin, D.B. (1989). Obtaining Asymptotic Variance-Covariance Matrices by the EM Algorithm. *The Proceedings of the Statistical Computing Section of the American Statistical Association*, 140-144.

2 **Meng, X.-L.** and Rubin, D.B. (1990). Likelihood Ratio Tests with Multiply-Imputed Data. *The Proceedings of the Statistical Computing Section of the American Statistical Association*, 78-82.

3 **Meng, X.-L.** and Rubin, D.B. (1991). IPF for Contingency Tables with Missing Data via the ECM Algorithm. *The Proceedings of the Statistical Computing Section of the American Statistical Association*, 244-247.

4 **Meng, X.-L.** and Pedlow, S. (1992). EM: A Bibliographic Review with Missing Articles. *The Proceedings of the Statistical Computing Section of the American Statistical Association*, 24-27.

5 Barnard, J. and **Meng, X.-L.** (1994). Exploring Cross-Match Estimators with Multiply Imputed Datasets. *The Proceedings of the Survey Research Methods Section of the American Statistical Association*, 894-899.

6 van Dyk, D.A. and **Meng, X.-L.** (1994). Permuting CM Steps within the ECM Algorithm. *The Proceedings of the Statistical Computing Section of the American Statistical Association*, 130-135.

7 Pedlow, S. and **Meng, X.-L.** (1994). Exploring Hypothesis-Testing Procedures with Multiply-Imputed Data Sets Under Unequal Fractions of Missing Information. *The Proceedings of the Survey Research Methods Section of the American Statistical Association*, 595-599.

8 **Meng, X.-L.** and Zaslavsky, A. (1994). Single Observation Unbiased Priors. *The Proceedings of the Section on Bayesian Statistical Science of the American Statistical Association*, 46-51.

9 **Meng, X.-L.** and van Dyk, D.A. (1995). Augmenting Data Wisely to Speed up the EM Algorithm. *The Proceedings of the Statistical Computing Section of the American Statistical Association*, 160-165.

10 **Meng, X.-L.** and van Dyk, D.A. (1996). Minimum Information Ratio and Relative Augmentation Function. *The Proceedings of the Statistical Computing Section of the American Statistical Association*, 73-78.

11 van Dyk, D.A. and **Meng, X.-L.** (2000). Algorithms Based on Data Augmentation: A Graphical Representation and Comparison. In *Models, Predictions, and Computing: Proc. 31st Symp. Interface* (Eds: M. Pourahmadi and K. Berk), 230-239.

12 **Meng, X.-L.**, Alegria, M., Chen, C.N. and Liu, J. (2005). A Nonlinear Hierarchical Model for Estimating Prevalence Rates with Small Sample. *Proceedings of the Bayesian Statistics Section of the American Statistical Association*, 110-120.

13 Liu, J., **Meng, X.-L.**, Chen, C.N., Alegria, M. (2006). Multiple Imputation for Response Biases in NLAAS Due to Survey Instruments. *Proceedings of the Survey Research Methods Section of the American Statistical Association*, 3360-3366. (CD-ROM)

14 Chen, C.N., Duan, N, **Meng, X.-L.**, Alegria, M. (2006). Power-Shrinkage and Trimming: Two ways to Mitigate Excessive Weights. *Proceedings of the Survey Research Methods Section of the American Statistical Association*, 2839-2846. (CD-ROM)

15 Baines, P.D. and **Meng, X.-L.** (2008). Probability Matching Priors in LHC Physics. *CERN Yellow Report: Proceedings of Phystat-LHC Workshop in Statistical Issues for LHC Physics*, 135-138.

Short Communications (Short Discussions, Comments, Letters, Responses, etc.)

1 Gelman, A.E. and **Meng, X.-L.** (1995). Discussion of "Fractional Bayes Factors for Model Comparison," by A. O'Hagan. *Journal of the Royal Statistical Society B*, **56**, 83.

2 Gelman, A.E. and **Meng, X.-L.** (1995). Discussion of "Assessment and Propagation of Model Uncertainty," by D. Draper. *Journal of the Royal Statistical Society B*, **56**, 131.

3 **Meng, X.-L.** (1995). Comment on "A Characterization of the Poisson Distribution and the Probability of Winning a Game," by J. B. Keller. *The American Statistician*, **49**, 401.

4 **Meng, X.-L.** (1995). Letter to The Editor: "Double Effort, Not Double Blind!" *Amstat News*, April, p. 8.

5 **Meng, X.-L.** (1995). Letter to The Editor: "A Question of Practicality," *RSS News*, April, p. 4.

6 Stein, M.L. and **Meng, X.-L.** (1995). Report on 1995 IMS/ASA Invited Panel on "Speeding the Referee Process." *IMS Bulletin*, **24**, 607-608.

7 **Meng, X.-L.** (1998). Letter to The Editor: "Team Work," *RSS News*, June, p. 6.

8 **Meng, X.-L.** and Gelman, A.E. (1999). Discussion of "Quantifying Surprise in the Data and Model Verification" by M.J. Bayarri and J. O. Berger. *Bayesian Statistics 6*.

9 **Meng, X.-L.** (1999). Comment on "Correlation, Regression Lines, and Moments of Inertia," by R. B. Nelsen. *The American Statistician*, **53**, 173.

10 **Meng, X.-L.** (1999). Invited Discussion of Matthew Stephens's and Simon Tavaré's papers on Statistical and Computational Approaches to Genetic Evolution. In *Bulletin of the International Statistical Institute; 52nd Session*, Helsinki, Vol. 3, 111-112.

11 **Meng, X.-L.** (2000). Discussion of "Inference in Molecular Population Genetics" by M. Stephens and P. Donnelly. *Journal of the Royal Statistical Society B*, **62**, 648-649.

12 **Meng, X.-L.** (2000). Letter to The Editor: "Sod's Law in Action" *RSS News*, December, p. 10.

13 **Meng, X.-L.** (2001). MCMC Versus BS: A Statistical Controversy? *International Chinese Statistical Association (ICSA) Bulletin*, July 2001, 38-42.

14 **Meng, X.-L.** (2002). Discussion of "Bayesian Measures of Model Complexity and Fit" by D.J. Spiegelhalter, N.G. Best, B.P. Carlin, and A. van der Linde. *Journal of the Royal Statistical Society B*, **64**, 633.

15 **Meng, X.-L.** (2002). Discussion of "Statistical Modelling and Analysis of Genetic Data", a collection of papers *in Journal of the Royal Statistical Society B*, **64**, 756.

16 **Meng, X.-L.** (2003). Discussion of "Efficient Construction of Reversible Jump Markov Chain Monte Carlo Proposal Distributions" by S.P. Brooks, P. Giudici, and G.O. Roberts. *Journal of the Royal Statistical Society B*, **65**, 42.

17 **Meng, X.-L.** (2008). Discussion of "Sampling Bias and Logistic Models" by P. McCullagh. *Journal of the Royal Statistical Society B*, **70**, 672.

18 **Meng, X.-L.** (2011). Discussion of "Riemann Manifold Langevin and Hamiltonian Monte Carlo Methods" by M. Girolami and B. Calderhead. *Journal of the Royal Statistical Society B*, **73**, 190.

19 **Meng, X.-L.** (2011). Discussion of "Towards more accessible conceptions of statistical inference" by C. J. Wild, M. Pfannkuch, M. Regan, and N. J. Horton. *Journal of the Royal Statistical Society A*, **174**, 285.

20 **Meng, X.-L.** (2013). Book Review of "*Monte Carlo Statistical Methods*" by C. Robert and G. Casella in *Special Issue on George Casella's Books*. *Chance*, **26**(1), 31-32.

21 **Meng, X.-L.** (2016.) Discussion of "Perils and potentials of self-selected entry to epidemiological studies and surveys" by N. Keiding and T.A. Louis. *Journal of the Royal Statistical Society A*, **179**.

22 **Meng, X.-L.** (2017). Discussion of "Should we sample a time series more frequently?: Decision support via multirate spectrum estimation" by Nason, G, Powell, BJ, Elliott, D & Smith, P. *Journal of the Royal Statistical Society A*, **180,** to appear.

Other Manuscripts:

Significance Levels From the Repeated Significance Levels in Multiple Imputation. Ph.D. Qualifying Paper, Department of Statistics, Harvard University (1988).

Coherent Multiple-Imputation Inference Under Incoherent Models. Technical Report 359, Department of Statistics, The University of Chicago.

Double Effort, Not Double Blind! Technical Report 382, Department of Statistics, The University of Chicago.

On Analytic Evaluation of Moments of Ratios and Logarithms. Technical Report 419, Department of Statistics, The University of Chicago.

Efficient Data Augmentation: From the EM Algorithm to The Gibbs Sampler. Technical Report 458, Department of Statistics, The University of Chicago. (With D. van Dyk)

Analysis of Solar Radiation Measurements at High Southern Latitudes. Report to Ultraviolet Monitoring and Assessment Program. (With G. Tiao, J. Frederick, D. Choi, and Z. Qu)

Likelihood-free EM: Self Consistency as a Dual Principle for Incomplete or Irregular-Pattern Data (With T. Lee and Z. Li).

Variations on a th*EM*e: Insights, Intrigues, and the Interwoven EM (With P. Baines and X. Xie).

Multiple Improvements of Multiple Imputation Likelihood Ratio Tests (With K. Chan). Submitted to *JASA*

Extending the Concept of Prior Sample Sizes: Assessing Prior Informativeness and Prior-Likelihood Discordance. (with M. Reimherr and D. Nicolae). Under revision for *JRSSB.*

Warp Bridge Sampling: The Next Generation. (With L. Wang and D. Jones). Under revision for *JASA*.

Designing Test Information and Test Information in Design. (With D. Jones.) Submitted to *JRSSB.*

Artificial Bayesian Monte Carlo Integration: A Practical Resolution to the Bayesian (Normalizing Constant) Paradox. (With M. Uehara)

Handling (Potentially) Infinite *p* and (Essentially) Zero *n*: A Multi-Resolution Framework For Individualized Learning. (With X. Li)

Probabilistic Underpinning of Imprecise Probability and Statistical Learning with Low-Resolution Information. (With R. Gong.)

The Colorful Stars and The Black Box: Bayesian Analysis Of Stellar Populations. (With P. D. Baines, A Zezas, and V. Kashyap)

Double Your Variance, Dirtify Your Bayes, Devour Your Pufferfish, and Draw Your Kidstogram.

Statistical Paradises and Paradoxes in Big Data (II): Multi-resolution Inference, Simpson's Paradox, and Individualized Treatments.

Ph.D. Advisees and Co-Advisees at Harvard:

Masatoshi Uehara, Title Pending

Kathryn McKeough, Title Pending

Luis Fernando Campos Manzo, *Fortunes and Misadventures with Parametric Models: They Can Confound, Be Burdensome and Unstable, Yet Insightful, Powerful and Flexible* (2019)

Kin Wai (Keith) Chan, *Inference for Incomplete Data and Dependent Data* (2018). (Current Position: Assistant Professor of Statistics, Chinese University of Hong Kong)

Ruobin Gong**,** *Low-resolution Statistical Modeling with Belief Functions* (2018). (Current Position: Assistant Professor of Statistics, Rutgers University)

Xufei Wang, *G-squared Statistic for Detecting Dependence, Additive Modeling, and Calibration Concordance for Astrophysical Data* (2017). (First Position: Quantitative Researcher, Two Sigma Investments, LLC)

Hyungsuk Tak, *Topics in Bayesian Hierarchical Modeling and Monte Carlo Computation* (2016). (First Position: Postdoc at Statistical and Applied Mathematical Sciences Institute).

David Jones, *Information: Measuring the Missing, Using the Observed, and Approximating the Complete* (2016). (First Position: Postdoc at Statistical and Applied Mathematical Sciences Institute).

Lazhi Wang, *Methods in Monte Carlo Computation, Astrophysical Data Analysis and Hypothesis Testing with Multiply-*

Imputed Data (2015) (First Position: Quantitative Researcher, Two Sigma Investments, LLC).

Alex Blocker, *Distributed and Multiphase Inference in Theory and Practice: Principles, Modeling, and Computation for High-Throughput Science* (2013). *(*First Position: Statistician on Google Ads Quality Team).

Nathan Stein, *Advances in empirical Bayes modeling and Bayesian computation* (2013). (First Position: Shepp Research Fellow, Lecturer in Statistics, Wharton School, University of Pennsylvania).

Xiaojin Xu, *Methods in Hypothesis Testing, Markov Chain Monte Carlo and Neuroimaging Data Analysis* (First Position: Algorithmic Developer, Hudson River Trading, LLC).

Xianchao Xie, *Two Tales of Frequentist Properties of Bayesianly Motivated Methods: Multiple Imputation and Shrinkage Estimation* (2012). (First Position: Quantitative Researcher, Two Sigma Investments, LLC).

Li Zhan, *Statistical Missing Data and Computation Problems: Theories and Applications in Astrophysics, Finance and Economics* (2010) (First Position: Associate, Deutsche Bank).

Paul Baines, *Statistics, Science and Statistical Science: Modeling, Inference and Computation with Applications to the Physical Sciences* (2010). *(*First Position: Assistant Professor of Statistics, UC Davis).

Yves Chretien, *Three Applications of Statistics to Medical Research* (2010). (First Position: Lecturer in Statistics, Harvard).

Jingchen Liu, *Effective Modeling and Scientific Computation with Applications to Health Study, Astronomy, and Queueing Network* (2008). (Current Position: Associate Professor of Statistics, Columbia University).

Taeyoung Park, *Improving the Incomparable Gibbs Sampler Through Partial Marginalization and Partial Blocking* (2006). (Current Position: Assistant Professor of Statistics, Yonsei University in Korea).

Yaming Yu, *Three Contributions to Statistical Computing* (2005). (Current Position: Associate Professor of Statistics, University of California, Irvine).

Former Ph.D. Advisees From Department of Statistics, The University of Chicago:

David van Dyk, *Construction, Implementation, and Theory of Algorithms Based on Data Augmentation and Model Reduction* (1995). (Current Position: Chair Professor of Statistics, Department of Mathematics, Imperial College of London).

John Barnard, *Cross-match Procedures for Multiple-Imputation Inference: Bayesian Theory and Frequentist Evaluations* (1995). (Current Position: Director, Collaborative Biostatistics Center, Cleveland Clinic Foundation).

Florin Vaida, *At the Confluence of the EM Algorithm and Markov Chain Monte Carlo: Theory and Applications* (1998). (Current Position: Professor, Division of Biostatistics & Bioinformatics, UCSD).

Radu Craiu, *Multivalent Framework for Approximate and Exact Sampling and Resampling* (2001). (Current Position: Professor, Department of Statistics, University of Toronto).

James Servidea, *Bridge Sampling with Dependent Random Draws: Techniques and Strategy* (2002). (Current Position: Statistician, National Security Agency, U.S.A.).

Martin Romero, *On Two Topics With No Bridge: Bridge Sampling with Dependent Draws and Bias of the Multiple Imputation Variance Estimator* (2003). (First Position: Post-doc, Instituto Mexicano del Petróleo).

Zhiqiang Tan, *A Likelihood Approach For Monte Carlo Integration* (2003). (Current Position: Professor, Department of Statistics, Regents University).

Peter Bouman, *Statistical and Computational Inference for Complex Multicenter Studies* (2004). (First Position: Assistant Professor, Department of Marketing, Northwestern University).

Other Advisees and Co-advisees:

Keli Liu, B.A. in Statistics (2013), Harvard University. Senior Thesis: *Objective Bayes: Neither Objective Nor Bayes*.

Alec Yeh, B.A. in Statistics and African and African American Studies (2014), Harvard University. Senior Thesis**:** *Evaluation of a Service Provider Short Course for Prevention of Fetal Alcohol Syndrome.*

Stephen Schilling, M.A. in Statistics and Ph.D. in Psychology (1994), The University of Chicago. (First Position: Assistant Professor, Department of Psychology and Human Development, Vanderbilt University).

Sheri Yung Hsueh, M.A. in Statistics (1993) and Ph.D. in Sociology (1996), The University of Chicago. (First Position: Assistant Vice President, First Card, Chicago).

Kimberly Maier, Ph.D. in Education (2000), The University of Chicago. (First Position: Post-doctoral Research Fellow, NORC, The University of Chicago).

Steven Pedlow, M.A. in Statistics (2001), The University of Chicago. (First Position: Survey Statistician, NORC).

Henrik Støvring, Ph.D. in Statistics and Demography (2002), Odense Universitet, Denmark.

Spyros Konstantopoulos, M.A. in Statistics and Ph.D. in Education (2003), The University of Chicago. (First Position: Assistant Professor, School of Education, Northwestern University).

Invited Pedagogical and Professional Development Presentations

6/7/04 "*W.R.I.T.E.*" Workshop: Better Writing Skills for Success, ICSA Applied Symposium, San Diego, CA.

3/17/07 "*Teaching and Career Development at Harvard: Task Force Recommendations"* Panel Presentation to the Committee on University Resources (COUR) – Annual Symposium, Harvard University.

9/11/07 "*What Faculty Course Heads and TFs Should Expect from Each Other?*" Panel Presentation, 13th Harvard Fall Teaching Conference.

4/29/08 *"Statistics 105 - Real-Life Statistics: Your Chance for Happiness (or Misery)"* Webinar for Section on Teaching Statistics in Health Sciences of ASA.

6/4/08 "*Recent Pedagogical Innovations at Harvard Statistics*" Presentation to GSAS (Graduate School of Arts and Sciences) Alumni Association Council, Harvard University.

9/5/08 "*Working with Teaching Fellows*" Panel Presentation at Junior Faculty Institute, FAS, Harvard University.

10/3/08 "*Developing a Professional Curriculum for Graduate Students"* Presentation at the 2008-2009 DGS (Director of Graduate Studies) Retreat, Harvard University.

11/18/08 *"Statistics 105 - Real-Life Statistics: Your Chance for Happiness (or Misery)"* Webinar for CAUSE (Consortium for the Advancement of Undergraduate Statistics Education).

2/27/09 *"Statistics 105 - Real-Life Statistics: Your Chance for Happiness (or Misery)"* Two-hour seminar at Department of Statistics, University of Kentucky.

4/15/09 "*Reflections on Rejections*" Panel Presentation, Sponsored by the Bureau of Study Counsel and the Office of Career Services, Harvard (Media Coverage: Boston Global, April 21 and Harvard Gazette, April 22; see http://www.boston.com/news/local/massachusetts/articles/2009/04/21/accepting_rejection/; http://news.harvard.edu/gazette/story/2009/04/the-upside-of-rejection/)

5/7/09 "*Chair's Closing (A)musing: Think Outside the Box but Stay Inside the Circle*" Presentation at Professional Development Retreat, organized by Department of Statistics, Harvard University.

9/15/09 "*Think Outside the Box But Stay Inside the Circle"* Presentation to Fudan Alumni Association at Boston.

11/4/09 "*Originality & Plagiarism in the Age of Cut-and-Paste*" Panel Presentation, sponsored by the Bureau of Study Counsel, the Derek Bok Center for Teaching and Learning, the Harvard College Writing Program, the Program in General Education, and the Office of Undergraduate Education.

11/7/09 "*Harvard Experiments*" Two-and-half-hour presentation at New England Isolated Statisticians Meeting 14, Pine Manor College.

1/25/10 "*Reflections on Rejections*" Panel Presentation for Graduate School of Arts and Sciences (GSAS), sponsored by the Bureau of Study Counsel and the Office of Career Services, Harvard University.

3/26/10 "*Harvard Experiments*" Two-hour presentation and discussion at Department of Statistics, Orebro University, Sweden.

4/17/10 "*Research Cultivation and Culmination: How to Get Your Paper Published (Eventually)*" Short Course co-taught with J. Blitzstein during 2010 New England Statistics Symposium held at Harvard University.

4/25/10 "*Conversation: Insights on Effective Teaching*" Panel Presentation: Seminar on Teaching for Effective Learning for a delegation from Universidad Adolfo Ibáñez (UAI) in Chile.

7/12/10 "*Real-Life Module Statistics: A Happy Harvard Experiment"* Presentation at 8th International Conference on Teaching Statistics, Ljubljana, Slovenia.

7/21/10 "*Vital Statistics for Medical and Life Sciences: A Harvard Experiment*" Shanghai International Workshop in Biostatistics, Shanghai, China.

8/5/10 "*The Making of Sexy Statistics (and Statisticians): Some Harvard Experiments."* Presentation for Panel on Statistics Training in a Data-Centric World, organized by *The American Statistician*, for 2010 JSM. Vancouver, Canada.

10/4/10 "*The Making of Sexy Statistics (and Statisticians): Some Harvard Experiments."* Department of Statistics, University of British Columbia, Vancouver, Canada.

10/22/10 "*The Making of Sexy Statistics (and Statisticians): Some Harvard Experiments."* Presentation for Panel on Training the Next Generation of Quantitative Scientists, Symposium in Honor of Steve Lagakos, Department of Biostatistics, Harvard University.

4/2/11 "*Why did I choose Harvard*?" Presentation for One Harvard Faculty-Alumni/ae Panel, sponsored by the Office of the President and Provost, Harvard University.

4/6/11 "*Reflections on Rejections;* An Exploration of Resilience in the Face of Failure" Panel Presentation, sponsored by the Bureau of Study Counsel and Harvard Alumni Association, Harvard University.

8/25/11 *"What Happens when Mathematical Thinking is Sidetracked by Wishful Thinking?"* Presentation to Panel on "New Challenges in Mathematical Statistics", 58th ISI Meeting, Dublin, Ireland.

10/14/11 "*Stories of Success and Failure: Finding the Path of Most Resilience*" Presentation at HAA (Harvard Alumni Association) Board of Directors' Fall Meeting, Harvard. (joint presentation with Abigail Lipson).

10/28/11 "*Statistical Education and Educating Statisticians: Producing Wine Connoisseurs and Master Winemakers."* Department of Educational Psychology, University of Minnesota.

1/18/12 "*Statistical Education and Educating Statisticians: Producing Wine Connoisseurs and Master Winemakers."* Department of Statistics, University of Toronto.

4/27/12 "*Statistical Education and Educating Statisticians: Producing Wine Connoisseurs and Master Winemakers."* Department of Statistics, London School of Economics.

9/28/12 *"Stat 303: The Art and Practice of Teaching Statistics."* Workshop on Supporting and Connecting New Graduate Program sin Statistics Education (celebrating 10th Anniversary of Statistical Education Program at UM), Department of Educational Psychology, University of Minnesota.

4/9/2013 *"Teach how to teach, communicate how to communicate, and learn how to learn."* Webinar for CAUSE (Consortium for the Advancement of Undergraduate Statistic Education).

5/18/13 "*Are My Students Actually Learning*?" United States Conference On Teaching Statistics 2013, Raleigh-Durham (Research Triangle), North Carolina.

7/14/13 "*Preparing Future Faculty to Assess Student Learning.*" Dean Dialogue, Council of Graduate School Summer Workshop, San Juan.

8/4/13 *"A Time Travel with 40 Statistics Departments: Stories You Want to Hear (or Forget)."* 2013 JSM, Montreal.

6/13/14 "*Personalized Treatment: Sounds heavenly, but where on Earth did they find the right guinea pig for me?"* Harvard Club of Cape Cod Annual Meeting, Cape Cod, Massachusetts.

6/17/14 "*Leading Across Boundaries: Leadership Development for Statisticians*" 2014 ICSA-KISS Applied Statistical Symposium, Portland, Oregon.

8/2/14 "*Leadership"* IMS New research Conference, Cambridge, Massachusetts.

8/5/14 "*Challenges and Opportunities for Statistics in the Next 25 Years*" Invited Panel, 2014 JSM, Boston.

10/18/14 "*The Four Seasons of Graduate School*" ACGS (Association of Chinese Graduate Schools) International Forum, Tianjin, China.

3/21/15 "*From Fudan to Harvard: A collection of personal and professional stories"* Lunch Speaker, Fudan Fuzhong Overseas Foundation.

5/14/15 "*Three sides of the same coin: Teaching, Research, and Learning*" Intergenerational Education Symposium, Harvard University.

5/22/15 "*Bigger Data, Deeper Learning, and Better Understanding*" Ningbo University, China.

6/16/15 "*Leadership Forum*" Joint 24th ICSA Applied Statistics Symposium and 13th Graybill Conference, Fort Collins, Colorado.

8/9/ 15 "*Undergraduate Curriculum: the Front Entry to the Statistical Paradise(s)*" invited Panel Discussion, 2015 JSM, Seattle.

10/23/15 "*Research Irreproducibility: Diagnoses and Treatments (Or how do we educate our students to torture data ethically)*" 2015 Program in Graduate Education Symposium, Harvard Medical School.

12/3/15 "*Some Statistical Thoughts Inspired by Professor Julie Posselt's Research (Or: Some GRE Questions for Deans and ...)*" 55th Annual meeting of Council of Graduate Schools (CGS), Seattle.

12/6/15 "*How to teach and learn about Statistics (and big data) happily?*" TPES (Transforming Post-Secondary Education in Mathematics) Meeting, Duke University.

11/11/15 "*The Four Seasons of Graduate School*" Inaugural meeting of Harvard 1879 Society, Harvard Shanghai Center.

2/23/16 "*Research Irreproducibility: Diagnoses and Treatments (Or: How to torture our data ethically?)*" Harvard Medical School, Postdoc Seminar.

6/1/16 "*Statistical Education and Educating Statisticians: Producing Wine Connoisseurs and Master Winemakers"* Australia National Colloquium and Workshop on STEMS: Putting Statistics into STEM in the Age of Data, University of Technology Sydney.

7/2/16 "*The Four Seasons of Graduate School: How Harvard Innovates"* Keio University, PLGS (Program of Leading Graduate School).

7/20/16 ""*Three Sides of the Same Coin: Teaching, Research, and Learning"* Pipelines into Biostatistics Visiting Faculty Workshop Harvard University

9/28/16 "*I Was One of You ...*" Population Health Science Inaugural Ph.D. Cohort Meeting, Harvard Chan School.

12/9/16 "*Big Data, Big Desire, & Big Danger*" CGS Panel on *Ethics in the Era of Big Data*, 56th Annual meeting CGS, Washington, D. C.

12/15-16/16 "*GenEd 105S: Vital statistics for life and medical sciences*" & *"Scholarship in the new age: Integrating research and professional development*" Excellence in Teaching Workshops — How Harvard Teaches and Innovates, Hong Kong University.

12/19/16 "*Data Science: Sleepless in Big Data*" Panel on "Data Science: Who Cares?" 10th ICSA International Conference, Shanghai Jiao Tong University.

1/4/17 "*Hi – Harvard i-lab*" Panel on "Global Innovation in IS/IT: The Role of Innovative Entrepreneurship?"

Hawaii International Conference on System Science, Waikoloa, Hawaii.

1/5/17 ""*Big Data, Bigger Desire, & Biggest Danger*" Harvard Club of Hawaii, Honolulu.

1/18/17 "*Preparing Future Faculty to Teach and Assess Today and Tomorrow's Students*" Panel presentation at Asia Public Policy Forum, Sunway University, Malaysia.

3/9/17 "*The Seven Deadly Selection Biases*" Harvard Medical School, Postdoc Seminar.

6/12/17 "*Scholarship in the new age: Integrating research and professional development",* Interdisciplinary Center for Scientific Computation, University of Heidelberg.

6/13/17 "*Collecting, Analyzing and Interpreting Statistical Evidence*", Harvard Summer School Study Abroad, Cité Internationale Universitaire de Paris

6/15/17 "*Probabilistic Thinking and Risk Assessment*", Harvard Summer School Study Abroad, Cité Internationale Universitaire de Paris

6/18/17 "*Modularizing, Magnetizing, and Multilayering -- Towards more effective science general education* " Hungarian Academy of Science, Budapest

7/19/17 "*Modularizing, Magnetizing, and Multilayering -- Towards more effective science general education",* Summer Program in Biostatistics & Computational Biology, Department of Biostatistics, Harvard

11/8/17 "*Gaining Statistical Insights via Its Paradoxes: From Personalized Treatment (Simpson's Paradox) to 2016 Elections (The Big-Data Paradox)"* Statistics Day, Takeda, Boston.

3/5/18 "*Research Irreproducibility: Diagnoses and Treatments (Or: how to torture our data ethically?)*" Harvard Medical School, Postdoc Seminar.

7/18/18 "*Double Your Variance, Dirtify Your Bayes, Devour Your Pufferfish, and Draw Your Kidstrogram"* Summer Program in Biostatistics & Computational Biology, Department of Biostatistics, Harvard

9/19/18 Lunch presentation to entrepreneurial delegation from Zhejiang Province, Harvard Faculty Club. *"For the Development in the Big Data Era: More Smart Machines or More Smart People?"*

9/24/18 "*Double Your Variance, Dirtify Your Bayes, Devour Your Pufferfish, and Draw Your Kidstrogram"* (Part I) and "*My Painful N-of-1 Trial (Or: A Quest for Actionable Probability)"* (Part II) Statistics Day, Takeda

4/1/19 "*Bias-Variance Tradeoff: A Fundamental Statistical Principle That Can Render You Love or Pain*", Association for Women in Mathematics and Society for Industrial and Applied Mathematics clubs, IIT

4/2/19 "*Conducting Highly Principled Data Science: A Statistician's Job and Joy*", Career Advice Seminar, IIT.

Invited Departmental and Institutional Research Seminars:

3/3/92 Stat., UC Berkeley. *A Generalized EM: The ECM Algorithm.*

3/4/92 Biostat., UCLA. *A Generalized EM: The ECM Algorithm.*

9/17/92 Stat., Penn. State U. *A Bayesian P-value.*

9/18/92 Stat., Virginia PI&SU. *A Generalized EM: The ECM Algorithm*.

11/16/92 Stat., Northwestern U. *A Bayesian P-value.*

2/4/93 Stat., Purdue U. *Coherent Multiple-Imputation Inference Under Incoherent Models*.

2/18/93 Biostat., UCLA. *Simulating Ratios of Normalizing Constants*.

5/12/93 Business, U. Chicago. *Simulating Ratios of Normalizing Constants and a New Property of Jeffreys' Prior.*

2/2/94 Stat., UIUC. *Bridge Sampling and Path Sampling for Computing Normalizing Constants.*

2/4/94 Math., North. Ill. U. *Bridge Sampling and Path Sampling for Computing Normalizing Constants*.

2/18/94 Biostat., Michigan. *Bridge Sampling and Path Sampling for Computing Normalizing Constants*.

4/28/94 Demography, NORC. *Multiple-Imputation Inference with Uncongenial Sources of Input*.

1/25/95 Stat., Rutgers U. *Bridge Sampling and Path Sampling for Computing Normalizing Constants.*

1/26/95 Biostat., Columbia U. *Bridge Sampling and Path Sampling for Computing Normalizing Constants*.

9/25/95 Stat., Iowa State U. *Sometimes There is a Free (and Delicious) Lunch ..... – Augmenting Data Wisely to Speed up the EM Algorithm.*

1/17/96 Stat., RAND. *Understanding Multiple Imputation.*

1/18/96 Stat., UCLA. *Sometimes There is a Free (and Delicious) Lunch .....*

2/14/96 Stat., Carnegie Mellon U. *AR(1), Bias, Correlation, Fisher, Fractional Derivative, James-Stein Estimator, and Wiener Process.*

3/4/96 Biostat., Harvard U. *The EM Algorithm – An Old Folk Song Sung to a Fast New Tune*.

3/6/96 Stat., Harvard U. *Bridge Sampling – An Improvement and Extension of Importance Sampling.*

3/20/96 Stat., U. Penn. *Computing Normalizing Constants: From Importance Sampling to Bridge Sampling to Path Sampling.*

3/21/96 ETS and Princeton ASA. *Understanding Multiple Imputation.*

8/29/96 Stat., Purdue U. *AR(1), Bias, Correlation, Fisher, Fractional Derivative, James-Stein Estimator, and Wiener Process.*

12/5/96 Stat., Oxford U. *Inferences under Uncongeniality: Super-efficiency and Inadmissibility.*
12/6/96 Math., U. of Bath. *AR(1), Bias, Correlation, Fisher, Fractional Derivative, James-Stein Estimator, and Wiener.*
12/9/96 Stat., U. of Bristol. *Inferences under Uncongeniality: Super-efficiency and Inadmissibility.*
12/10/96 Math., Imperial College. *Inferences under Uncongeniality: Super-efficiency and Inadmissibility.*
12/11/96 Royal Stat. Soc., UK. *The EM Algorithm – An Old Folk Song Sung to a Fast New Tune.*
5/7/97 Stat., Harvard U. *AR(1), Bias, Correlation, Fisher, Fractional Derivative, James-Stein Estimator, and Wiener Process.*
5/8/97 Biostat., Harvard U. *The EM Algorithm and Medical Studies: A Historical Link .*
11/12/97 Math., North. Ill. U. *AR(1), Bias, Correlation, Fisher, Fractional Derivative, James-Stein Estimator, and Wiener Process.*
1/22/98 Biostat., WU Seattle. *The Art of Data Augmentation .*
1/30/98 Stat., Michigan U. *AR(1), Bias, Correlation, Fisher, Fractional Derivative, James-Stein Estimator, and Wiener Process.*
2/6/98 Math., U. Maryland Baltimore. *The EM Algorithm and Medical Studies: A Historical Link .*
2/9/98 Stat., Columbia U. *The Art of Data Augmentation.*
6/4/98 Bell Lab, Lucent Tech. *Thermodynamic Integration and Path Sampling.*
7/6/98 Stat. Engineering, NIST. *Thermodynamic Integration and Path Sampling.*
11/5/98 Stat., Ohio State U. *Cholera, EM, and Deceptively Large Samples: A Statistical Mystery.*
12/17/98 Math., Boston U. *Cholera, EM, and Deceptively Large Samples: A Statistical Mystery.*
5/3/99 Pub. Health, Odense U. *Applications of Multiple Imputation in Medical Studies: From AIDS to NHANES.*
5/10/99 Stat., Iowa State U. *Improving Perfect Simulation.*
5/19/99 Stat., Columbia U. *Improving Perfect Simulation.*
7/8/99 Stat., W. Ontario U. *Improving Perfect Simulation.*
11/12/99 Stat., Harvard U. *Improving Perfect Simulation.*
11/15/99 Stat., Harvard U. *Statistical Relative Information in Genetic Hypothesis Testing.*
9/5/00 Biostat., Yale U. *Cholera, EM, and Deceptively Large Samples: A Statistical Mystery.*
9/6/00 Stat., Yale U. *Single Observation Unbiased Priors.*
11/9/00 Stat., Hong Kong (HK) U. *Single Observation Unbiased Priors.*
11/10/00 Math., HKU of Sci.&Tech. *Self-consistency and Wavelet Shrinkage with Irregular Designs.*
12/12/00 Math., Chinese U. of HK. *Single Observation Unbiased Priors.*
4/4/01 Business, U. Chicago. *Self-consistency and Wavelet Shrinkage with Irregular Designs.*
4/6/01 Biostat., UIC. *Cholera, EM, and Deceptively Large Samples: A Statistical Mystery.*
1/9/02 Biostat., Harvard U. *Warp Bridge Sampling.*
12/10/02 Math., Cambridge U. *Perfect Sampling, Antithetic Coupling, and Antihype Fractals.*
12/11/02 Royal Stat. Soc., UK. *A Theory of Statistical Models for Monte Carlo Integration.*
12/14/02 Math., Lancaster U. *Cooking SOUP: Single Observation Unbiased Prior.*
3/17/03 ISDS, Duke U. *Inference with Monte Carlo Data: The Bayesian Paradox?*
3/19/03 Biostat., UNC Chapel Hill. *Statistical Information in Genetic Studies.*
3/21/03 Stat., NC State. *Self-consistency and Wavelet Shrinkage with Irregular Designs.*
4/22/03 Stat., U. Penn. *Inference with Monte Carlo Data: The Bayesian Paradox?*
4/24/03 Stat., Penn. State. *Inference with Monte Carlo Data: The Bayesian Paradox?*
11/3/03 Health Study, U. Chicago. *(Data) Size Does Matter, But You Might Be in for a Surprise ...*
4/1/04 Stat., CMU. *(Data) Size Does Matter, But You Might Be in for a Surprise ...*
4/21/04 Stat., Rutgers U. *From Unit Root to Stein Estimator to Fisher's k-statistics – If You Have a Moment, I Can Tell You More ...*
6/25/04 Stat., Los Alamos. *Inference with Monte Carlo Data: A Paradox of "Knowing Too Much"? – (Or "How to cure our schizophrenia?")*
10/7/04 Stat., U. Florida. *Inference with Monte Carlo Data: A Paradox of "Knowing Too Much"? – (Or "How to cure our schizophrenia?")*
2/16/05 Government, Harvard. *(Data) Size Does Matter, But You Might Be in for a Surprise ...*
2/18/05 ISDS, Duke U. *(Data) Size Does Matter, But You Might Be in for a Surprise ...*
3/30/05 Health Stat Seminar Series, Boston U. *(Data) Size Does Matter, But You Might Be in for a Surprise ...*
6/24/05 National Sun Yat-Sen University, College of Management & Applied Math Dept. *A Tutorial on Markov Chain Monte Carlo*.
6/27/05 National Chengchi University. *A Tutorial on Markov Chain Monte Carlo*.
6/29/05 Institute of Statistics, Academia Sinica, 2005 Statistics Summer Camp. *How "Crude" is Harvard President's*

Calculation?

6/30/05 National Health Research Institutes, Division of Biostatistics and Bioinformatics, Taiwan. *Quantifying Relative Incomplete Information for Hypothesis Testing in Statistical and Genetic Studies.*

7/4/05 Stat, Hong Kong U. *From Unit Root to Stein Estimator to Fisher's k-statistics – If You Have a Moment, I Can Tell You More ...*

7/15/05 Stat, Hong Kong U. *(Data) Size Does Matter, But You Might Be in for a Surprise ...*

9/23/05 Math, Fudan U. *Markov Chain Monte Carlo: A Workhorse for Modern Scientific Computation*

11/17/05 Stat, UCLA. *Espousing Modern Computation with Classical Statistics: Sufficiency, Ancillarity and A New Generation of MCMC.*

11/18/05 Stat & Actuarial Sci, Simon Fraser U. *Espousing Modern Computation with Classical Statistics: Sufficiency, Ancillarity and a New Generation of MCMC.*

3/10/06 Math & Stat, University of Montreal. *How "Crude" is Harvard President's Calculation?*

7/10/06 Math & Stat, U. New South Wales (UNSW), Sydney. *Life becomes more colorful when you know EM, Bayes and Wavelets …*

7/12/06 Math Science Inst., ANU *Life becomes more colorful when you know EM, Bayes and Wavelets …*

8/3/06 Institute of Statistics, Academic Sinica, Taiwan. *Life becomes more colorful when you know EM, Bayes, and Wavelets …*

9/20/06 Math, Smith College. *The Full Monte Carlo: A Live Performance*.

3/26/07 Washington Statistical Society, Washington, D.C. *(Data) Size Does Matter, But You Might Be In for a Surprise...*

4/27/07 Stat., U. Georgia. *How 'Crude' was Harvard Ex-President's Calculation?*

6/30/07 Business Mgmt., Sun Yat-Sun University, Taiwan. *Bayesian Statistics and Computation: An Advanced Tool for Quantitative Decision Making*.

7/10/07 Stat. & Actuarial Sci., U. Hong Kong. *The Full Monte Carlo: A Live Performance*.

7/12/07 Inst. of Stats. & Comp. Intell., United International Coll., Zhuhai, China. *Bayesian Statistics and Computation: An Advanced Tool for Quantitative Decision Making*.

9/17/07 Stats., Harvard U. *A Semi-Theoretician's Mid-Day Confession: The True meaning of i.i.d. in (Applied) Statistics*.

10/17/07 Math. & Stats., U. Missouri, Kansas City. *Self-Rao-Blackwellization: Bringing the Best Out of 'Bad' Data or 'Bad' Procedures*.

10/17/07 ASA Kansas-West Missouri Chapter Fall Mtg., U. Kansas. *A Semi-Theoretician's Mid-Day Confession: The True meaning of i.i.d. in (Applied) Statistics*.

11/2/07 Stats., Carnegie Mellon U. *Self-Rao-Blackwellization: Bringing the Best Out of 'Bad' Data or 'Bad' Procedures*.

11/16/07 Stats., U. California, Irvine. *A Semi-Theoretician's Mid-Day Confession: The True meaning of i.i.d. in (Applied) Statistics*.

1/16/08 Stats, Wharton, Penn. *Self-consistency*: *A General Recipe for Semi-parametric and Non-parametric Estimation with Incomplete and Irregularly Spaced Data*

1/18/08 ASA Philadelphia Chapter, Horsham, Pennsylvania. *A Semi-Theoretician's Mid-Day Confession: The True meaning of i.i.d. in (Applied) Statistics*.

1/25/08 Stats, GWU. *A Semi-Theoretician's Mid-Day Confession: The True meaning of i.i.d. in (Applied) Statistics*.

2/21/08 Pub. Health and Prev. Med., Oregon Health Sciences U. *Quantifying the Fraction of Missing Information for Hypothesis Testing in Statistical and Genetic Studies.*

2/21/08 ASA Oregon Chapter. *A Semi-Theoretician's Mid-Day Confession: The True meaning of i.i.d. in (Applied) Statistics*.

3/6/08 Washington Statistical Society, Washington, D.C. *Statistics Can Lie But Can Also Correct for Lies: Reducing Response Bias in NLAAS via Bayesian Imputation.*

3/7/08 Biostat Branch**,** National Cancer Institute. *Disparities in Defining Disparities: Statistical Conceptual Frameworks*

3/13/08 ASA Central Indiana Chapter. *A Semi-Theoretician's Mid-Day Confession: The True meaning of i.i.d. in (Applied) Statistics*.

4/11/08 School of Pub. Health, UIC. *A Semi-Theoretician's Mid-Day Confession: The True meaning of i.i.d. in (Applied) Statistics*.

7/28/08 School of Math and Stat, UNSW, Sydney. *Disparities in Defining Disparities: Statistical Conceptual Frameworks*

7/29/08 School of Applied Math and Statistics, U of Wollongong. *Statistics Can Lie But Can Also Correct for Lies: Reducing Response Bias in NLAAS via Bayesian Imputation.*

9/18/08 Math., University of Georgia. *Self-consistency: A General Recipe for Semi-parametric and Non-parametric Estimation with Incomplete and Irregularly Spaced Data.*

10/15/08 Stats, GWU. *Quantifying the Fraction of Missing Information for Hypothesis Testing in Statistical and Genetic Studies.*

2/13/09 Stats, Duke. *To Center or Not to Center, That Is Not the Question – An Ancillary-Sufficient Interweaving Strategy for Boosting MCMC Efficiency.*

2/27/09 Stats, U of Kentucky. *Quantifying the Fraction of Missing Information for Hypothesis Testing in Statistical and Genetic Studies*

4/11/09 Stat, Columbia. *To Center or Not to Center, That Is Not the Question – An Ancillary-Sufficient Interweaving Strategy for Boosting MCMC Efficiency.*

9/18/09 Stat & Prob., Michigan State Univ. *To Center or Not to Center, That Is Not the Question – An Ancillary-Sufficient Interweaving Strategy for Boosting MCMC Efficiency.*

10/29/09 Stat, U South Carolina. *Self-consistency: A General Recipe for Semi-parametric and Non-parametric Estimation with Incomplete and Irregularly Spaced Data.*

12/18/09 Google, Mountain View. *Trivial Mathematics but Deep Statistics: Simpson's Paradox and Its Impact on Your Life*

1/13/10 Stat, Cornell U. *30 Years of Bootstrap and Multiple Imputation: Joint Replications versus Conditional Replications.*

2/17/10 Math, U. of Central Florida. *Self-consistency: A General Recipe for Semi-parametric and Non-parametric Estimation with Incomplete and Irregularly Spaced Data*

2/18/10 Stat., U of Florida. *30 Years of Bootstrap and Multiple Imputation: Joint Replications versus Conditional Replications.*

3/27/10 Stat, Orebro U., Sweden. *Automated Bias-variance Trade-off: Intuitive Inadmissibility or Inadmissible Intuition?*

4/2/10 Stat, Business School, Temple U. *To Center or Not to Center, That Is Not the Question – An Ancillary-Sufficient Interweaving Strategy for Boosting MCMC Efficiency.*

10/6/10 Stat, U of British Columbia. *30 Years of Bootstrap and Multiple Imputation: Joint Replications versus Conditional Replications.*

10/26/10 Stat., Stanford U. *A seminal trio: Applying Efron's (1967) self-consistency principle to Donoho and Johnstone's (1994) wavelets and Tibshirani's (1996) LASSO regressions with incomplete and irregularly spaced data*

10/27/10 Math Organization, Stanford U. *The Full Monte Carlo: A Live Performance*

11/10/10 Stat, Rutgers U. *What's the H in H-likelihood: A Holy Grail or an Achilles' Heel?*

11/19/10 Sheldon B. Lubar Business School, University of Wisconsin-Milwaukee: *Trivial Mathematics but Deep Statistics: Simpson's Paradox and Its Impact on Your Life*

1/28/11 Math & Stat, Arizona State U: *Trivial Mathematics but Deep Statistics: Simpson's Paradox and Its Impact on Your Life*

2/8/11 Biostat & Bioinformatics, UCSD*: Gene-Environment Interaction, Automated Bias-Variance Trade-off, & Nano-Project Ph.D. Qualifying Exams*

2/22/11 Management Science and Statistics, U of Taxes at San Antonio: *Trivial Mathematics but Deep Statistics: Simpson's Paradox and Its Impact on Your Life*

2/24/11 Stat, Texas A&M U: *What's the H in H-likelihood: A Holy Grail or an Achilles' Heel?*

7/13/11 Center for Devices and Radiological Health, FDA: *Simpson's Paradox and Its Impact on Your Life*

7/14/11 Center for Devices and Radiological Health, FDA: *Gene-Environment Interaction, Automated Bias-Variance Trade-off, & Nano-Project Ph.D. Qualifying Exams*

8/26/11 Stat, UCL: *Statistical Inception for the MCMC Dream: The kick is in the residual (augmentation)!*

9/1/11 Institut Henri Poincaré**,** Université Paris-Dauphine. *Statistical Inception for the MCMC Dream: The kick is in the residual (augmentation)!*

10/28/11 Biostat, U of Minnesota. *Gene-Environment Interaction, Automated Bias-Variance Trade-off, & Nano-Project Ph.D. Qualifying Exams*

12/6/11 Industrial and Systems Engineering, U of Southern California*. Machine Learning with Human Intelligence: Principled Corner Cutting (PC^2)*

1/19/12 Stat, U. Toronto. *Statistical Inception for the MCMC Dream: The kick is in the residual (augmentation)!*

2/24/12 Department of Information, Operations and Management Sciences, Business School, NYU. *Trivial Mathematics but Deep Statistics: Simpson's Paradox and Its Impact on Your Life*

3/4/12 Stat, Berkeley. *I Got More Data, My Model is More Refined, But My Estimator is Getting Worse! Am I Just Dumb*?

4/26/12 Judge School of Business, University of Cambridge. *I Got More Data, My Model is More Refined, But My Estimator is Getting Worse! Am I Just Dumb*?

4/30/12 Biostatistics, Brown. *Gene-Environment Interaction, Automated Bias-Variance Trade-off, & Nano-Project Ph.D. Qualifying Exams*

1/25/13 Purdue Statistics Spring Research Colloquium. *I Got More Data, My Model is More Refined, But My Estimator is Getting Worse! Am I Just Dumb*?

6/7/14 Mathematics, Imperial College of London. *Being an informed Bayesian: Assessing prior informativeness and prior--likelihood conflict.*

1/23/15 Harvard Shanghai Center. *Personalized Treatment: Sounds heavenly, but where on Earth did they find the right guinea pig for me*

4/21/15 Baidu, Inc., Beijing. *Bigger Data, Deeper Learning, and Better Understanding.*

9/30/15 Center for Improving Methods for Quantitative Policy Research, Northwestern University. *Is it a computing algorithm or a statistical procedure: Can you tell or do you care?*

11/13/15 Quantitative Research Methodology for the Social and Behavioral Sciences workshop, University of Chicago. *I Got More Data, My Model is More Refined, But My Estimator is Getting Worse! Am I Just Dumb*?

2/16/17 School of Mathematical and Statistical Science, Arizona State University. *From Euler to Clinton: An Unexpected Statistical Journey (Or: Size Does Matter, But You Might Be in for a Surprise…)*

3/1/17 Department of Statistics, University of Pittsburgh. *Statistical Paradises & Paradoxes in Big Data*

3/3/17 Department of Statistics, University of Virginia. *From Euler to Clinton: An Unexpected Statistical Journey (Or: Size Does Matter, But You Might Be in for a Surprise…)*

10/13/17 Department of Statistics, George Washington University. *Dissecting Multiple Imputation from a Multi-phase Inference Perspective: What happens when God's, Imputer's and Analyst's models are uncongenial?*

2/16/18 Department of Mathematics and Statistic, McGill University. *The Law of Large Populations: The return of the long-ignored N and how it can affect our 2020 vision.*

3/12/18 Judge Business School, Cambridge University. *The Law of Large Populations: The return of the long-ignored N and how it can affect our 2020 vision.*

3/19/18 Department of Mathematics and Statistics, Cobly College. *The Law of Large Populations: The return of the long-ignored N and how it can affect our 2020 vision.*

4/25/18 Oxford PPE (Philosophy, Politics, and Economics) Society, University of Oxford. *How Small Are Our Big Data: Turning the 2016 Surprise into a 2020 Vision*

5/15/18 FDA Statistical Association (FDASA), Silver Spring, MD. *Double Your Variance, Dirtify Your Bayes, Devour Your Pufferfish, Draw Your Kidstogram.*

5/30/18 Biostatistics Program, Fred Hutch, Seattle. *Statistical Paradises and Paradoxes in Big Data (I): Law of Large Populations, Big Data Paradox, and the 2016 US Presidential Election.*

5/31/18 Department of Biostatistics, University of Washington, Seattle. *Statistical Paradises and Paradoxes in Big Data (II): Multi-resolution Inference, Simpson's paradox, and Individualized Treatments*

6/22/18 Statistics Canada. *The return of the long-ignored N and how it can affect our 2020 vision.*

9/7/18 Division of Biostatistics, University of Washington in St. Louis. *How Small Are Our Big Data: Turning the 2016 Surprise into a 2020 Vision*

11/26/18 Department of Mathematics, Imperial College London. *How Small Are Our Big Data: Turning the 2016 Surprise into a 2020 Vision*

2/18/19 Department of Operations Research and Financial Engineering, Princeton University. *Is It a Computing Algorithm or a Statistical Procedure – Can You Tell or Should You Care?*

4/2/19 Department of Applied Mathematics, IIT. *Is It a Computing Algorithm or a Statistical Procedure – Can You Tell or Should You Care?*

Research Conference Presentations:

8/8/89 1989 JSM, Washington, DC. *Obtaining Asymptotic Variance-Covariance Matrices by the EM Algorithm.*

8/6/90 1990 JSM, Anaheim, CA. *Likelihood Ratio Tests with Multiply-Imputed Data Sets*.

8/10/91 1991 JSM, Atlanta, GA. *IPF for Contingency Tables with Missing Data via the ECM Algorithm.*

6/16/92 5th Purdue International Symposium. *(A) Bayesian P-value.*

8/10/92 1992 JSM, Boston, MA. *EM: A Bibliographical Review.*

5/15/93 3rd ICSA App. Stat. Symp., Plymouth Meeting, PA. *Deterministic and Stochastic Iterative Algorithms for Missing Data Computations.*

5/17/93 1993 TIMS/ORSA J. National Meeting, Chicago. *Deterministic and Stochastic Iterative Algorithms for Missing Data Computations.*

8/4/93	1st IMS North American New Researchers' Meeting, UC Berkeley, CA. *Jaccard's Measure with Incomplete Observations.*
8/9/93	1993 JSM, San Francisco, CA. *Correcting Reporting Delays in Surveillance Data by Multiple imputation with Application to AIDS Surveillance.*
12/17/93	2nd ICSA Conf. and Taipei Int. Stat. Symp., Taipei. *Bridge Sampling and Path Sampling for Computing Normalizing Constants.*
4/30/94	4th ICSA App. Stat. Symp., Rockville, MD. *Bayesian Model Diagnosis via Posterior Predictive Probabilities.*
8/15/94	1994 JSM, Toronto, Ontario. *Single Observation Unbiased Priors.*
7/6/95	2nd IMS North American New Researchers' Meeting, Queens U., Kingston. *Sometimes There is a Free (and Delicious) Lunch.....*
8/13/95	1995 JSM, Orlando, FL. *Speeding the Referee Process.*
8/20/95	3rd ICSA Conf., Beijing. *The Art of Data Augmentation.*
8/4/96	1996 JSM, Chicago, IL. *Posterior Predictive Assessment: An Overview.*
5/31/97	7th ICSA App. Stat. Symp., Rutgers, NJ. *The EM Algorithm and Medical Studies: A Historical Link.*
11/11/97	1997 American Public Health Assoc. Meeting, Indianapolis. *The EM Algorithm and Medical Studies: A Historical Link.*
6/7/98	8th ICSA App. Stat. Symp., New London, CT. *Simulation via Markov chain Monte Carlo: A Before-lunch Tutorial.*
8/16/98	1998 Taipei International Stat. Symp. *The EM Algorithm and Medical Studies: A Historical Link.*
8/21/98	4th ICSA Conf., Kunming. *The EM Algorithm and Medical Studies: A Historical Link.*
5/11/99	1999 Danish Soc. for Theoretical Stat. *Improving Perfect Simulation: Multi-stage Backward Coupling and Parallel Antithetic Coupling.*
6/20/99	9th ICSA App. Stat. Symp., Georgetown, D.C. *Politically Incorrect Suggestions for (Chinese) Young Faculty.*
8/10/99	1999 JSM, Baltimore, MD. *Improving Perfect Simulation: Multi-stage Backward Coupling and Parallel Antithetic Coupling.*
8/18/99	52nd ISI Session, Helsinki. *Irregular Designs for Wavelet Regression: A Data Augmentation Approach.*
10/30/99	Int. Conf. on Survey Nonresponse , Portland, Oregon. *A Congenial Overview of Inferences with Partially Imputed Data Sets Under Uncongeniality.*
6/1/00	ISBA 6th World Meeting, Crete. *Parallel Antithetic Coupling for Perfect Bayesian Simulation.*
6/9/00	10th ICSA App. Stat. Symp., Chicago, IL. *Statistical Information in Genetic Studies.*
8/15/00	2000 JSM, Indianapolis, IN. *A Non-interpolation Based Method for Wavelet Shrinkage with Incomplete Designs.*
11/28/00	4th Int. Conf. on Monte Carlo and Quasi-Monte Carlo, Hong Kong. *Perfect Simulation: Triumphs, Tricks and Trials.*
8/9/01	2001 JSM, Atlanta, GA. *Warp Bridge Sampling for Likelihood and Bayesian Computation.*
4/27/02	16th New England Stat. Symp., Yale. *Warp Bridge Sampling.*
6/7/02	12th ICSA App. Stat. Symp., Plymouth Meeting, PA. *Sensitivity Under Uncongeniality: A Hybrid Framework with Illustration.*
7/28/02	65th IMS Annual Meeting, Banff. *Antithetic Coupling for Perfect Simulation: Progress and Problems.*
7/30/02	Royal Statistical Society Res. Section Meeting, Banff. *Discussant of Brooks et. al.*
8/11/02	2002 JSM, New York, NY. *Discussant for the invited session on "Economics and Environmental Statistics".*
12/20/02	ISM Meeting on MCMC, Tokyo. *Inference with Monte Carlo Data: The Problem of "Knowing Too Much".*
9/19/03	NBER/NSF Time Series, Chicago *From Unit Root to Stein Estimator to Fisher's k-statistics – If You Have a Moment, I Can Tell You More ...*
3/29/04	2004 ENAR/IMS Conf., Pittsburgh, PA. *A Bayesian Framework for Quantifying Incomplete Information in Statistical and Genetic Hypothesis Testing.*
5/15/04	5th International Indian Statistical Association Meeting, Athens, GA. *(Data) Size Does Matter, But You Might Be in for a Surprise ...*
6/7/04	13th ICSA App. Stat. Symp., San Diego, CA. *Combining Curves (Almost) Bayesianly: with Applications to Public Health Patient Registries.*
6/29/04	2004 WNAR/IMS Conf., Albuquerque, NM. *A Mutant Gibbs Sampler: Incompatibility, Instability, and Nonidentifiability Redeemed.*
3/22/05	2005 ICASSP Conf., Philadelphia, PA. *A Self-Consistent Wavelet Method for Denoising Images with Missing Pixels.*
4/23/05	19th New England Stat. Symp., U. Connecticut. *How "Crude" is Harvard President's Calculation?*

6/2/05 4th Graybill Conference, Fort Collins, CO. *Quantifying Relative Incomplete Information for Hypothesis Testing in Statistical and Genetic Studies.*

6/25/05 The 2005 Joint Statistical Conference in Taiwan. *(Data) Size Does Matter, But You Might Be in for a Surprise ...*

8/8/05 2005 JSM, Minneapolis, MN. *A Nonlinear Hierarchical Model for Estimating Prevalence Rates with Small Sample.*

10/27/05 13th Temple-Merck Conference, Plymouth, PA. . *(Data) Size Does Matter, But You Might Be in for a Surprise ...*

7/4/06 2006 Australia Statistical Association/New Zealand Statistical Association Conference, Auckland, New Zealand. *Espousing Modern Computation with Classical Statistics: Sufficiency, Ancillarity and A New Generation of MCMC*.

8/10/06 2006 JSM, Seattle, WA. *Espousing Modern Computation with Classical Statistics: Sufficiency, Ancillarity and A New Generation of MCMC*.

4/17/07 CDC 11th Biennial Symp. on Stat. Methods, Atlanta. *Estimating Marginal and Conditional Disparities: A Semi-Parametric Approach*.

6/5/07 Behav. Health Serv. Res. Interest Group Mtg., Orlando. *Opportunities for Conceptualizing Health Disparities: Dealing with the Ambiguities of the IOM's Definition for Behavioral Healthcare Disparity – A Statistical Conceptual Framework*.

6/18/07 Symp. on Recent Develop. of Stats. in Biol. Sci's., Nat'l Health Res. Inst., ZhuNan, Taiwan. *Disparities in Measuring Disparities in Health Care: A Statistical Conceptual Framework*.

7/30/07 2007 JSM, Salt Lake City, UT. *Dealing with Review Efficiency: A Practical Bayesian Approach* (Roundtable).

7/31/07 2007 JSM, Salt Lake City, UT. *Statistics and Lies: Correcting Questionnaire Ordering Effect via Multiple Imputation*.

9/15/07 2007 MBER-NSF Time Series Conf., Iowa City, IA. *Espousing Classical Statistics with Modern Computation: Sufficiency, Ancillarity and An Interweaving Generation of MCMC*.

10/27/07 50th Anniversary Celebration & Symposium, Stats., Harvard U. *When EM Cannot Handle It, There is Self-Rao-Blackwellization*.

5/2/08 SBIES (Seminar on Bayesian Inference in Econ & Stat), Chicago. *A Bayesian Framework for Quantifying Incomplete Information in Statistical and Genetic Hypothesis Testing.*

6/6/08 2008 ICSA Applied Statistics Symposium, Piscataway, NJ. *Statistics Can Lie But Can Also Correct for Lies: Reducing Response Bias in NLAAS via Bayesian Imputation.*

7/2/08 First ISBS (International Symposium on Biopharmaceutical Statistics), Shanghai, China. *Quantifying Incomplete Information for Hypothesis Testing in Statistical and Genetic Studies.*

6/29/09 1st IMS-APR Meeting, Seoul, Korea. *Self-consistency: A General Recipe for Semi-parametric and Non-parametric Estimation with Incomplete Data.*

7/4/09 International Biostatistics Research Conference, Hefei, China. *Ranking with Uncertainty: AIDS Reporting Delay in the US Cities.*

8/2/09 2009 JSM, Washington, DC. *Power-Shrinkage: An Alternative Method for Dealing with Excessive Weights*

12/2/09 30 Years of Bootstrap and Recent Advances in Statistics, Rutgers U, NJ. *30 Years of Bootstrap and Multiple Imputation: Joint Replications versus Conditional Replications*

1/7/10 2010 AAS (America Astronomy Society) Annual Meeting, Washington, DC. *A Statistician's View of Upcoming Grand Challenges*

1/21/10 The 8th International Conference on Health Policy Statistics, Washington, DC. *What Happens When Imputation Model and Analysis Procedure Are Uncongenial?*

2/19/10 2010 Florida Chapter ASA Annual Meeting, Tallahassee, FL. *To Center or Not to Center, That Is Not the Question – An Ancillary-Sufficient Interweaving Strategy for Boosting MCMC Efficiency*

2/25/10 Harvard Catalyst Disparities Measurement Meeting, Harvard Medical School. *Rethinking Disparity Measure: Does "Fair" Equal "Equal"?*

3/19/10 Frontiers of Statistical Decision Making and Bayesian Analysis: In Honor of James O. Berger, U of Texas at San Antonio. *Automated Bias-variance Trade-off: Intuitive Inadmissibility or Inadmissible Intuition?*

6/9/10 Ninth Valencia International Meeting on Bayesian Statistics and the 2010 World Meeting of the International Society for Bayesian Analysis, Benidorm (Alicante), Spain. *What's the H in H-likelihood: A Holy Grail or an Achilles' Heel?*

6/25/10 2010 SER (Society for Epidemiologic Research) Conference, Seattle, Washington. *Rethinking Disparity Measure: Does "Fair" Equal "Equal"?*

7/5/10 Probability and Statistics: An International Conference in Honor of P.L. Hsu's 100th birthday, Beijing, China. *What's the H in H-likelihood: A Holy Grail or an Achilles' Heel?*

7/9/10 International Symposium on Business and Industry Statistics, Portoroz, Slovenia. *A Semi-Theoretician's Mid-Day Confession: The True Meaning of i.i.d. in (Applied) Statistics*

7/19/10 2010 Summer Conference on Global Health and International Relations, Fudan University, Shanghai. *Simpson's Paradox and "Hong-Kong Shenzhen" Paradox: The Importance of Understanding Statistical Phenomena and Cultural Differences in Global Health Research.*

12/18/10 "Borrowing Strength: Theory Powering Applications" In honor of Lawrence Brown's 70th Birthday, Department of Statistics, Wharton School, University of Pennsylvania. *Simpson's Paradox Before and After the Bar.*

4/29/11 2011 SBIES (Seminar on Bayesian Inference in Economics and Statistics), Washington U. at St. Louis. *How informative is my time series?*

8/3/11 2011 JSM, Miami Beach, FL. *Let's Practice What We Preach: Likelihood Methods for Monte Carlo Data*

4/3/12 2012 ENAR, Washington DC. *Why Are There Multiple Hypothesis Testing Combining Rules for Multiply Imputed Data Sets?*

6/15/12 IMS/ASA Spring Research Conference, Harvard. *Statistical Computation and Computational Statistics: An Interweaving Perspective.*

8/1/12 2012 JSM, San Diego, CA. *Bayesian Friends with Benefits: Partial Shrinkage.*

7/25 /13 2013 European Meeting of Statisticians, Budapest. *Being an informed Bayesian: Assessing prior informativeness and prior--likelihood conflict.*

8/2/13 ICSA Canadian Chapter Symposium, Toronto. *The potential and perils of preprocessing: Explore distributed sufficiency.*

8/6/13 2013 JSM, Montreal. *What Statistical Problems Are Not Missing-Data Problems?*

12/19/13 CUHK Symposium, Hong Kong. *Resolving Simpson's Paradox is a Piece of Fruit.*

4/21/14 Boston Colloquium for Philosophy of Science. Boston University. *Multi-Resolution Inference: An Engineering (Engineered?) Foundation of Statistical Inference.*

6/2/2014 American Astrophysics Society Annual Meeting, Boston. *The Full Monte Carlo: A Live Performance with Stars.*

6/17/14 2014 ICSA-KISS Applied Statistical Symposium, Portland, Oregon. *Stat Wars Episode IV: A New Hope (For Objective Inference).*

4/22/15 10th IACHEC (International Astronomical Consortium for High-Energy Calibration) Conference, Beijing. *A Log-Normal Linear Regression Approach for (Simultaneously) Adjusting Attributes.*

7/2/15 The Fifth IMS-China International Conference on Statistics and Probability, Kunming, China. *Before Individualized Medicine, There Was Individualized Inference*

7/6/15 2nd International Workshop on Frontiers of Statistics with Applications to Finance, Fudan University, Shanghai. *I got more data, my model is more refined, but my estimator is getting worse! Am I just dumb?*

7/27/15 60th World Statistics Congress (ISI), Rio, Brazil. *Who is crazier: Bayes or Fisher? A Missing (Data) Perspective on Fiducial Inference.*

7/28/15 60th World Statistics Congress (ISI), Rio, Brazil. *Computationally Efficient and Statistically Valid Detection of Unspecified Structure in Astrophysical Images.*

8/11/15 2015 JSM, Seattle. *There is Individualized Treatment. Why Not Individualized Inference?*

1/6/16 2016 Joint Mathematical Meetings (JMM), Seattle. *The Potential and Perils of Preprocessing: Building New Foundations.*

3/7/16 2016 ENAR Spring Meeting, Austin, Texas. *Dissecting Multiple Imputation from a Multi-phase Inference Perspective: What Happens When God's, Imputer's and Analyst's Models Are Uncongenial?*

6/18/16 2016 ISBA Conference, Cagliari, Italy. *Calibration with Multiplicative Signals but Additive Errors: A Bayesian Log Normal Approach*

6/21/16 4th ICISE, Palermo, Italy. *Multi-Resolution Inference: An Engineering (Engineered?) Foundation of Statistical Inference.*

7/31/16 2016 JSM, Chicago. *Discussion: Some Nobel-Prize (NP) Worthy i.i.d Ideas in Statistics.*

8/2/16 2016 JSM, Chicago. *Fiducial Inference: Fisher's Big Blunder or Big Bang?*

8/18/16 12th International Conference on MCQMC (Monte Carlo and Quasi Monte Carlo) Methods in Scientific Computing, Stanford University. *Warp Bridge Sampling: The Next Generation.*

9/6/16 Royal Statistical Society 2016 Conference, Manchester, England. *How risky is our intuition for risk? (Or: A quick, but not too dirty, Bayes formula for physicians, poets, and everyone in between…)*

12/18/16 The First Eastern Asia Meeting on Bayesian Statistics (A Satellite Meeting of the 10th ICSA

	International Conference), Shanghai Jiao Tong University. *Extending the Concept of Prior Sample Sizes: Assessing Prior Informativeness and Prior-Likelihood Discordance.*
12/20/16	10th ICSA International Conference, Shanghai Jiao Tong University. *Fiducial Inference: Fisher's Big Blunder or Big Bang?*
7/30/17	2017 JSM, Baltimore. *BFF Inferences with R's: Replications, Relevance and Robustness*.
8/1/17	2017 JSM. Baltimore. Late Breaking Session*: From Euler to Clinton: An Unexpected Statistical Journey.*
8/2/17	2017 JSM, Baltimore. Discussion: *Personalized Treatment: Sounds heavenly, but where on Earth did they find my guinea pig?*
6/4/18	Conference on Statistical Learning and Data Science/Nonparametric Statistics, Columbia University. *Conducting Highly Principled Data Science: A Statistician's Job and Joy*
7/30/18	2018 JSM, Vancouver. Annals of Applied Statistics Lecture: *Statistical Paradises and Paradoxes in Big Data (I): Law of Large Populations, Big Data Paradox, and the 2016 US Presidential Election*
8/1/18	2018 JSM, Vancouver. Invited Panel: *From JSM 2017 To JSM 2018: My Painful N-of-1 Trial (Or: A Quest for Actionable Probability)*
8/1/18	2018 JSM, Vancouver. Discussion: *There is no free lunch, but ...*
8/6/18	2018 New York Scientific Data Summit, Brookhaven National Laboratory, Upton, NY. (Virtual Presentation) *How Small Are Our Big Data: Turning the 2016 Surprise into a 2020 Vision*

Invited Workshop Presentations and Lectures, Short Courses, and Tutorials:

2/19/93	Workshop on "Model Selection, Bayes Factor, and Sensitivity Study", UCLA. *Coherent Multiple-Imputation Inference Under Incoherent Models*
7/12-13/94	Summer Workshop on "Computational and Applied Statistics", Institute of Applied Mathematics, Chinese Academy of Science, Beijing. *Lectures on Recent Development of EM-type Algorithms*
5/3/96	Spring Conference on "Simulation in the 90s", ASA Chicago Chapter. *An Overview of Algorithms for Simulating from Complex Distributions*
1/15/98	Workshop on "Novel Monte Carlo algorithms and Their Applications", Center for Nonlinear Studies, Los Alamos National Laboratory. *Monte Carlo Methods: A Statistician's View and Some Recent Work*
5/18/98	International Symposium for Celebrating 10th Anniversary of the MSc. in Biostatistics Program, Limburgs Universitair Centrum, Diepenbeek, Belgium. *Sensitivity under Uncongeniality: A Hybrid Framework with Illustration*
7/16-20/98	Workshop on "Statistical Methods for Incomplete Data and High-dimensional Data", Stats and OR, Fudan University, Shanghai. *Lectures on Recent Developments in Data Augmentation Techniques and Computation of Normalizing Constants*
10/25/98	Workshop on "Monte Carlo Methods", Fields Institute for Research in Mathematical Science, Toronto. *The Art of Data Augmentation and Multi-stage Backward Coupling*
11/1-12/31/00	Math., Hong Kong U. of Science and Technology. Lectures on *Statistical Algorithms*
9/31/02	The First Workshop on Monte Carlo Methods, Cape Cod, MA. *Inference with Monte Carlo Data: The Problem of "Knowing Too Much"*
8/9/03	International Workshop on Bayesian Data Analysis, UC Santa Cruz. *A Bayesian Framework for Quantifying Incomplete Information In Statistical and Genetic Hypothesis Testing.*
8/27/04	The Second Workshop on Monte Carlo Methods, Cambridge, MA. *Warp Bridge Sampling for Likelihood and Bayesian Computation*
9/10/04	Astrostatistics Workshop: Data Analysis Challenges in Astrophysics, High-Energy Astrophysics Division (HEAD) Meeting, New Orleans, LA. *An Introductory Overview of Statistical Methods for Discrete Time Series*
1/12/05	MCMSki: The Past, Present, and Future of Gibbs Sampling, Bormio, Italy. *Going Beyond Compatibility: The Future of the Gibbs Sampler?*
2/1/05	Workshop on "Markov Chains in Algorithms and Statistical Physics", Mathematical Sciences Research Institute, Berkeley, CA. *Computing Normalizing Constants: A Bridge Between Statistical Physics and Statistical Computing*
6/11/06	Graybill Conference 2006: Multiscale Methods and Statistics – A Productive Marriage. *A Crash Course in Wavelets Methods* (Joint taught with Thomas Lee and Patrick Wolfe).
7/16/06	Statistical inference Problems in High Energy Physics and Astronomy, Banff, Canada. *Dealing with Nuisances: Principled and Ad Hoc Methods*

5/13/07	Third Workshop on Monte Carlo Methods, Cambridge, MA. *Statistical Physics and Statistical Computing: A Critical Link*.
6/4/07	DIMACS Workshop on Markov Chain Monte Carlo: Synthesizing Theory and Practice, Rutgers U. *Tutorial: Markov Chain Monte Carlo: Practice – The Full Monte Carlo: A Live Performance (with Stars), Part I and Part II*.
11/16/07	Stochastics and Dependence in Finance, Risk Management, and Insurance, Radcliffe Exploratory Seminar. *Espousing Modern Computation with Classical Statistics: Sufficiency, Ancillarity and a New Generation of MCMC.*
12/1/07	Workshop on Monte Carlo Methods, Harvard U. Banquet Speaker: *The Full Monte Carlo: A Live Performance*
3/20/09	Workshop on Markov chain Monte Carlo and Related Methods, University of Warwick, UK. *To Center or Not to Center: That is Not the Question: An Ancillarity-Sufficiency Interweaving Strategy (ASIS) for Boosting MCMC Efficiency*
9/29/09	Statistical Frontiers of Astrophysics, Institute of Physics and Mathematics of Universe, U of Tokyo, Japan. *The Full Monte Carlo: A Live Performance with Stars.*
1/18/11	GSAS J-term Short Course, Harvard. *Trivial Mathematics but Deep Statistics: Simpson's Paradox and Its Impact on Your Life.*
3/29/11	THURJ (The Harvard Undergraduate Research Journal) invited tutorial (jointly with J. Blitzstein). *The Statistical Magic of Markov chain Monte Carlo.*
6/1/11	TigerFest, Chapel Hill High School, Chapel Hill, NC. *Trivial Mathematics but Deep Statistics: Simpson's Paradox and Its Impact on Your Life.*
6/2/11	Career Center, Winston-Salem/Forsyth County Schools, NC. *Trivial Mathematics but Deep Statistics: Simpson's Paradox and Its Impact on Your Life.*
7/19/11	BLISS/PRIMO/PRISE program for undergraduate research, Harvard. *Trivial Mathematics but Deep Statistics: Simpson's Paradox and Its Impact on Your Life.*
8/5/11	GSAS/ELP (English Language Program), Harvard. *Trivial Mathematics but Deep Statistics: Simpson's Paradox and Its Impact on Your Life.*
9/24/11	Workshop on Computational Methods in Applied Sciences, Columbia U. *Let's Practice What We Preach: Likelihood Methods for Monte Carlo Data*
8/21/12	ICIC (Imperial Centre for Inference and Cosmology) Inaugural Workshop, Imperial College. *I Got More Data, My Model is More Refined, But My Estimator is Getting Worse! Am I Just Dumb*?
11/30/12	Workshop on Performance Analysis of Monte Carlo Methods, ICERM, Brown U. *The Best Performing Monte Carlo Estimator? A Likelihood Framework for Compromising between Statistical Efficiency and Computational Efficiency*
12/19-20/12	Short Course on Learning to Be a Better Statistician: Think Deeper and Compute Faster, Institute of Statistical Science, Academia Sinica. *Day One: Statistical Insight and Intuition. Day Two*: *Basic and Advanced Markov Chain Monte Carlo (MCMC)*
1/19/13	Workshop on New Directions in Monte Carlo Methods, University of Florida. *Warp Bridge Sampling: The Next Generation*.
6/20/13	BLISS/PRIMO/PRISE - Program for Undergraduate Research, Harvard. *The Full Monte Carlo: A Live Performance.*
5/8/14	Abel Symposium on High Dimensional Analysis, Lofoten, Norway. *The Potential and Perils of Preprocessing: Exploring distributed sufficiency.*
10/1/14	*The Paradise and Paradox of Statistics*. Interactive lectures for China Entrepreneur Club, Harvard Business School.
11/11/14	1st Workshop on BFF inference and Statistical Foundations, East China Normal University. *There's Personalized Medicine. Why Not Personalized Inference?*
11/15/14	Chin Long Chiang's Memorial Workshop, University of California at Berkeley. *Biostatistics vs. Biostatistical Science: A Statistical Verdict.*
7/ 5/15	2nd Workshop on BFF Inference and Statistical Foundations, East China Normal University. *Who is Crazier: Bayes or Fisher? A Missing (Data) Perspective on Fiducial Inference.*
7/23/15	Big Data Senior Steering Group (BDSSG) meeting, NSF, Washington, DC. *Statistical Paradises and Paradoxes in Big Data.*
6/24/16	I-Like Workshop 2016, Lancaster University. *Warp Bridge Sampling: The Next Generation*.
9/20/16	Workshop on Statistical Issues in Experimental Neutrino Physics, Fermilab, Batavia, IL. *Fiducial Inference: Fisher's Big Blunder or Big Bang?*
10/1/16	1st Workshop on Higher-Order Asymptotics and Post-Selection Inference, University of Washington, St.

Louis. *Building a Statistical Theory for Individualized Treatments: A Multi-resolution Perspective.*

4/4/17 Webnar for Prevention Science and Methodology Group (PSMG), *Building a Statistical Theory for Individualized Treatments: A Multi-resolution Perspective.*

8/12/17 2nd Workshop on Higher-Order Asymptotics and Post-Selection Inference, University of Washington, St. Louis. *Struggling with large p and small n? How about (potentially) infinite p and (essentially) zero n?*

10/12/17 Closing Plenary Panel on "The Radical Prescription for Change", ASA Symposium on Statistical Inference. *Double Your Variance, Dirtify Your Bayes, & Devour Your Pufferfish*

11/28/17 Harvard Data Science Initiative (HDSI) 45/45 Lecture Series. *The Law of Large Populations: The return of the long-ignored N and how it can affect our 2020 vision.*

8/12/18 3rd Workshop on Higher-Order Asymptotics and Post-Selection Inference, University of Washington, St. Louis. *Was there ever a pre-selection inference?*

10/25/18 2018 Harvard QuantBio Retreat, Endicott College, Beverly, MA. *Handling (Potentially) Infinite p and (Essentially) Zero n: A Multi-Resolution Framework For Individualized Learning.*

3/20/19 CRiSM Day on Bayesian Intelligence, University of Warwick, *Artificial Bayesian Monte Carlo Integration: A Practical Resolution to the Bayesian (Normalizing Constant) Paradox.*