

Conference on Bayesian Modeling, Computation, and Applications

In Honor of Professor Lynn Kuo

Speaker Biographies

Dr. Bani K. Mallick is a Distinguished Professor and Susan M. Arseven '75 Chair in Data Science and Computational Statistics in the Department of Statistics at Texas A&M University in College Station. He is the Director of the Center for Statistical Bioinformatics. Dr. Mallick is well known for his contribution to the theory and practice of Bayesian Semiparametric methods and Uncertainty Quantification. Dr. Mallick is an elected fellow of American Association for the Advancement of Science, American Statistical Association, Institute of Mathematical Statistics, International Statistical Institute and the Royal Statistical Society. He received the Distinguished research award from Texas A&M University and the Young Researcher award from the International Indian Statistical Association. Dr. Mallick's many areas of research include semiparametric classification and regression, hierarchical spatial modeling, inverse problem, uncertainty quantification and Bioinformatics. He is equally renowned for his ability to do major collaborative research with scientists from myriad fields beyond his own, including nuclear engineering, petroleum engineering, industrial engineering, traffic mapping. He has coauthored or co-edited six books and more than 150 research publications. He has supervised and mentored 25 Ph.D students and 6 Post doctorate fellows. Mallick earned his undergraduate from the Presidency University, Kolkata, MS from the Calcutta University and Ph.D from the University of Connecticut.

Dr. Dipak K. Dey is a Board of Trustees Distinguished Professor of Statistics, at the University of Connecticut. He received his Ph.D. in Statistics from Purdue University in 1980. He is an elected fellow of the American Association for the Advancement of Science, American Statistical Association, the Institute of Mathematical Statistics, International Society for Bayesian Analysis, Connecticut Academy of Arts and Sciences and an elected member of the International Statistical Institute. Some of the awards and honors Dr. Dey has received include the Outstanding Alumni award from the Department of Statistics, Purdue University, the first Marth award for mentorship from the University of Connecticut, the Research Excellence Award from the University of Connecticut Alumni Association, 2005 and the Research Excellence Award from the American Association of the University Professor, University of Connecticut. He has published ten books/edited volumes and over 260 refereed journal articles and book chapters in various statistical and interdisciplinary journals. His research area includes, statistical methodology and applications involving categorical and longitudinal data, classification and clustering, spatio-temporal and survival data analysis. Areas of his research applications include Biometry, Bioinformatics, Data mining, Environmetrics, Econometrics, Image processing, Morphometry, and Population Genetics. He has supervised 38 Ph.D. students and has presented more than 200 talks at professional meetings and various departments. He has been a visiting professor at Macquarie University, Sydney, Australia, Pontificia Universidad de Catolica, Santiago, Chile, University of Sao Paulo, Sao Paulo, Brazil, University of British Columbia, Vancouver, Canada, University of Calcutta, Kolkata, India, Indian Statistical Institute, Kolkata and Delhi, India, the National

Institutes of Standards and Technology, Gaithersburg, MD, Statistical and Applied Mathematical Sciences Institute, Research Triangle Park, NC and Social and Decision Analytics Laboratory at Virginia Tech, National Capital Region, Arlington, VA.

Dr. Zhen Chen is an investigator in the Biostatistics and Bioinformatics Branch at National Institute of Child Health and Human Development, National Institutes of Health (NIH). He obtained his Ph.D. in statistics in 2001 at University of Connecticut, and was a Research Fellow at National Institute of Environmental Health Science from 2001 to 2003. Before joining NIH, Dr. Chen was as an Assistant Professor in the Department of Biostatistics and Epidemiology at the University of Pennsylvania from 2003 to 2008. Dr. Chen's main research interests are in Bayesian methods, diagnostic accuracy, and chemical mixture modeling, with applications in epidemiological studies in human reproduction and development.

Dr. Haim Bar is an assistant professor at UConn. He joined UConn in 2013, and his research interests include shrinkage estimation; high throughput applications in biology, network analysis, and machine learning

Dr. Yuping Zhang is an assistant professor in the Department of Statistics at the University of Connecticut. Previously, she studied or worked at Peking University, Stanford University, The Jackson Laboratory and Yale University.

Dr. Sudipto Banerjee is currently Professor and Chair of the Department of Biostatistics in the School of Public Health and Professor of Statistics at the University of California, Los Angeles (UCLA). He obtained his PhD in Statistics from the University of Connecticut, Storrs, in 2000. Professor Banerjee's research expertise encompasses spatial statistics, theory and methods related to Bayesian modeling and inference for geographic data with wide-ranging applications in public and environmental health sciences, ecology, forestry, real estate economics and agronomy. In 2014, Banerjee joined the Department of Biostatistics in the School of Public Health at UCLA as Professor and Chair of Biostatistics. Professor Banerjee has made a number of fundamental contributions in spatial statistics, developing theory and methods for carrying out principled Bayesian inference for rates of change on spatial processes, an area often referred to as Wombling. In collaboration with statisticians Bradley P. Carlin and Alan E. Gelfand, Professor Banerjee has authored an influential textbook Hierarchical Modeling and Analysis for Spatial Data, Second Edition, that offered a comprehensive treatment of Bayesian inference for spatial data. In addition, he has authored another textbook, Linear Algebra and Matrix Analysis for Statistics, with Professor Anindya Roy. Banerjee has received many honors, including the Abdel El-Shaarawi Award from The International Environmetric Society (TIES), the Mortimer Spiegelman Award from the American Public Health Association, elected membership of the International Statistical Institute, elected fellowships of the Institute of Mathematical Statistics (IMS) and the American Statistical Association (ASA), a Distinguished Achievement Medal from the ASA's Section on Statistics and the Environment, and the ASA's Outstanding Statistical Application Award.

Dr. Mike Cohen is a Principal Statistician at the American Institutes for Research in Washington DC. He holds a Ph.D. from the UCLA Department of Mathematics where he was a classmate of Lynn Kuo. Lynn and Mike have three joint papers. Mike is a Fellow of the American Statistical

Association, the American Educational Research Association, and the American Association for the Advancement of Science. He is an Elected Member of the International Statistical Institute.

Dr. Yu-Bo Wang was jointly advised by Prof. Lynn Kuo and Prof. Ming-Hui Chen in UConn. He graduated in 2016, and currently is a postdoc fellow in NICHD, mentored by Dr. Zhen Chen. This fall, he will join the Department of Mathematical Sciences in Clemson University as an assistant professor.

Dr. Xiaojing Wang received her Ph.D. degree in Statistics from Duke University in 2012. Also, she has a M.A. in Economics from Duke University and M.S. in Probability and Mathematical Statistics from Chinese Academy of Sciences. She is currently an Assistant Professor of Statistics in the University of Connecticut. Also, she is an Elected Member of International Statistical Institute. Dr. Wang's research has primarily been in Bayesian statistics with focuses in the areas of latent variable models, nonparametric and semiparametric methods, and subgroup analysis. Most of her research is carried out through a broad range of interdisciplinary collaborations in the fields of accounting, ecology, education, engineering, medicine and so on with researchers from both academia and industry. She has supervised 3 Ph.D. candidates as a (co)-major advisor and 3 Ph.D. candidates as an associate advisor. Moreover, she has been the major advisor for 6 Master's students and an associate advisor for over 30 Master's students.

Dr. Suman Neupane is a Postdoctoral Associate in the Department of Ecology and Evolutionary Biology at the University of Connecticut and obtained his Ph.D. degree there in 2016. He holds a M.S. degree in Botany from Tribhuvan University in Nepal. Dr. Neupane's current research focuses on estimating Bayesian phylogenetic information content of systematic data and he has broad interests in plant systematics, macroevolutionary processes, phylogenetics theory and comparative methods and bioinformatics.

Dr. Naitee Ting is a Fellow of American Statistical Association (ASA). He is currently a Director in the Department of Biostatistics and Data Sciences at Boehringer-Ingelheim Pharmaceuticals Inc. (BI). He joined BI in September of 2009, and before joining BI, he was at Pfizer Inc. for 22 years (1987-2009). Naitee received his Ph.D. in 1987 from Colorado State University (major in Statistics). He has an M.S. degree from Mississippi State University (1979, Statistics) and a B.S. degree from College of Chinese Culture (1976, Forestry) at Taipei, Taiwan. Naitee published articles in *Technometrics*, *Statistics in Medicine*, *Drug Information Journal*, *Journal of Statistical Planning and Inference*, *Journal of Biopharmaceutical Statistics*, *Biometrical Journal*, *Statistics and Probability Letters*, and *Journal of Statistical Computation and Simulation*. His book "Dose Finding in Drug Development" was published in 2006 by Springer, and is considered as the leading reference in the field of dose response clinical trials. The book "Fundamental Concepts for New Clinical Trialists", co-authored with Scott Evans, was published by CRC in 2015. Another book "Phase II Clinical Development of New Drugs", co-authored with Chen, Ho, and Cappelleri was published in 2017 (Springer). Naitee is an adjunct professor of Columbia University and University of Connecticut. Naitee has been an active member of both the ASA and the International Chinese Statistical Association (ICSA).

Dr. Changhong Song got his Ph.D. from University of Connecticut in 2006. He worked in industry for 5 years and joined FDA in 2011. He is now a Lead Mathematical Statistician at FDA Center for Devices and Radiological Health.

Dr. Wangang Xie obtained his PhD in statistics from UConn, under the joint supervision of Dr. Chen and Dr. Kuo. His dissertation is “Bayesian phylogenetic model selection and application”, in which several new Monte Carlo methods were developed in the phylogenetic research. He was a summer intern and statistical fellow at Pfizer under the supervision of Dr. Ting. He is currently working at AbbVie as a biostatistician. AbbVie is a pharmaceutical company located in North Chicago. He is leading statistical supports in clinical trials on different therapeutic areas and NDA submissions to US, EU and Japan. He has contributed to many publications on medical congresses and journals as well as statistical journals. Today, he is going to present some research work in clinical trial application.

Qi Qi is Ph.D. student of Statistics at University of Connecticut. Her current research focuses on Survival analysis, Cost-effectiveness analysis, Multi-stage analysis, etc. She serves as consultant for Statistical Consulting Service. She is research assistant for Baltimore Longitudinal Study of Aging project. Qi has a Master from University of Connecticut and a Bachelor from Renmin University of China.