

2016 PARZEN PRIZE FOR STATISTICAL INNOVATION

to be awarded by
Department of Statistics, Texas A&M University
Presented to

WILLIAM S. CLEVELAND

Wednesday, November 16, 2016, 3:00 pm
Memorial Student Center, Room 2406A

The 2016 EMANUEL AND CAROL PARZEN PRIZE FOR STATISTICAL INNOVATION will be proudly awarded to WILLIAM S. CLEVELAND, Shanti S. Gupta Distinguished Professor of Statistics and Courtesy Professor of Computer Science at Purdue University, on November 16, 2016 at 3:00 pm. At the conclusion of the lecture Simon J. Sheather will present a special tribute to Dr. Parzen honoring his lifetime achievement and statistical legacy.

Divide and Recombine for Bigger Data and Higher Computational Complexity

WILLIAM S. CLEVELAND

Shanti S. Gupta Distinguished Professor of Statistics, Purdue University



The Parzen Prize for Statistical Innovation is awarded (in the Spring or Fall of even numbered years) to North American statisticians who have made outstanding and influential contributions to the development of applicable and innovative statistical methods. The prize has stimulated the establishment of other prestigious awards and prizes that recognize outstanding careers in the discipline and profession of statistics. The Parzen Prize for Statistical Innovation is supported by the Emanuel and Carol Parzen Fund, which was established as an endowment at the Texas A&M Foundation in honor of the 65th birthday of Emanuel Parzen on April 21, 1994.

The 2016 Parzen Prize is awarded to **William Cleveland** for innovative, influential, and outstanding research in statistical methodology and computational methods for statistics, including time series analysis, nonparametric local regression (loess), statistical graphics and data visualization including scatterplot brushing and trellis displays, and many other contributions to statistical and computational methods; leadership in developing modern methods at the interface of computer science and statistics for the analysis of and visualization of large and complex data sets.

William Cleveland received an A.B. in Mathematics from Princeton University and his Ph.D in Statistics from Yale University. He is an elected Fellow of the American Statistical Association, the Institute of Mathematical Statistics, and the American Association for the Advancement of Science, and an Elected Member of the

International Statistics Institute. In 2016, Cleveland received the Lifetime Achievement Award for Graphics and Computing from the American Statistical Association. Cleveland is the author of two influential books and coauthor of another book on the use of computer graphics in visualizing data. He has published well over 100 refereed articles in statistical, computational, medical and other journals. His more recent work develops new statistical, graphical, and computational techniques for the analysis of massive data sets.

Emanuel Parzen, long-time Distinguished Professor of Statistics at Texas A&M University, was born in New York City on April 21, 1929, and educated at Harvard (B.A. 1949) and University of California Berkeley (Ph.D. 1953). He served as a Statistics faculty member at Columbia (1953-56), Stanford (1956-70), SUNY Buffalo (1970-1978), Texas A&M (1978-2016), and a visiting faculty member at Imperial College London, M.I.T., IBM, Harvard, and the Center for Advanced Study in Behavioral Sciences. In 1994 he was awarded the Samuel Wilks Memorial Medal from the American Statistical Association. Emanuel Parzen retired in 2009 and passed away on February 6, 2016.