2008 PARZEN PRIZE FOR STATISTICAL INNOVATION

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

NANCY REID
and
MARVIN ZELEN

May 13, 2008, 9:00 am, Blocker, Room 158

Two 2008 EMANUEL AND CAROL PARZEN PRIZES FOR STATISTICAL INNOVATION will be proudly awarded to NANCY REID, University Professor of Statistics, University of Toronto and MARVIN ZELEN, Lemuel Shattuck Research Professor of Statistical Science at the Harvard University School of Public Health. The prize ceremony is on Tuesday, May 13, 2008 beginning at 9:00 am, in room 158 of the Blocker Building.

"COMPOSITE LIKELIHOOD INFERENCE IN COMPLEX MODELS"
Nancy Reid, Department of Statistics, University of Toronto

"THE EARLY DETECTION OF DISEASE AND STOCHASTIC MODELS"
Marvin Zelen, Dept. of Biostatistics, Harvard School of Public Health

The Parzen Prize for Statistical Innovation is awarded (in April or May 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 been established to reduce the sparsity of 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 Development Foundation in honor of the 65th birthday on April 21, 1994 of Emanuel Parzen, Distinguished Professor of Statistics at Texas A&M University.

The 2008 Emanuel and Carol Prize for Statistical Innovation is awarded to **Nancy Margaret Reid** "for leadership in statistical science, for outstanding research in theoretical statistics and highly accurate inference from the likelihood function, and for influential contributions to statistical methods in biology, environmental science, high energy physics, and complex social surveys."

Nancy Reid has an international reputation for outstanding achievements, and is a role model for women in the mathematical sciences. Nancy received her degrees in 1974 (BMath University of Waterloo), 1976 (MSc University of British Columbia), and 1979 (PhD Stanford University). She is currently a University Professor of Statistics at the University of Toronto. Some of her many accomplishments include, the coveted Award of the Committee of Presidents of Statistical Societies (1992), IMS Wald Lecturer (2000), and election to Fellow of the Royal Society of Canada (2001). She has also been honored as President of the Statistical Society of Canada, President of the Institute of Mathematical Statistics, and Vice President of the International Statistical Institute. She is a Fellow of the Institute of Mathematical Statistics, the American Statistical Association, and the American Association for the Advancement of Science. She also coauthored a book entitled, "Applied Asymptotics: Case Studies in Small Sample Statistics" (with Brazzale, A.R., Davison, AC, and Reid, N. (2007) Cambridge University Press). Nancy Reid is married to the eminent statistician D.A.S. Fraser and has two daughters.

The 2008 Emanuel and Carol Prize for Statistical Innovation is also awarded to **Marvin Zelen** "for international leadership in statistical science and medical research, for mentoring biostatisticians and physicians, for advocating statistical research stimulated by problems from other disciplines, and for his inspiring leadership of Harvard Biostatistics, Dana Farber Cancer Institute, and Frontier Research Foundation.

Marvin Zelen has an international reputation as one of the fathers of Biostatistical Science. His current title as Lemuel Shattuck Research Professor of Statistical Science at Harvard University, School of Public Health, was awarded to him (around his 80th birthday) in 2007 in recognition of his outstanding contributions to Harvard and the profession and discipline of Biostatistical Science. Marvin received degrees from the City College of New York (BS 1948), University of North Carolina, Chapel Hill (MA 1951), and the American University (PhD 1957). From 1952 to 1961, he was a statistician at the National Bureau of Standards (NIST) mentored by W. J. Youden and Churchill Eisenhart. From 1963 to 1967 he was Head of the Mathematical Statistics Section of the National Cancer Institute. From 1967 to 1977 he was a faculty member at the State University of New York at Buffalo where he not only pioneered the Statistical Laboratory for high impact collaboration between biostatistical science and cancer research, but he also founded the Frontier Science and Technology Research Foundation. Since 1977, he has directed extensive research programs at Harvard (Dana Farber Cancer Institute and School of Public Health, Department of Biostatistics). Some of his honors include the Samuel S. Wilks Memorial Medal of the American Statistical Association (2006), and the title of Docteur Honoris Causa, Universite Victor Segalon Bordeaux II (2003). Additional honors include election as Fellow of the International Statistical Institute, American Statistical Association, Institute of Mathematical Statistics, American Association for the Advancement of Science, and the American Academy of Arts and Science.

Emanuel Parzen is a Distinguished Professor of Statistics at Texas A&M University. In 1994 he was awarded the Samuel S. Wilks Memorial Medal of the American Statistical Association "for outstanding research in Time Series Analysis, especially for his innovative introduction of reproducing kernel spaces, spectral analysis and spectrum smoothing; for pioneering contributions in quantile and density quantile functions and estimation; for unusually successful and influential textbooks in Probability and Stochastic Processes; for excellent and enthusiastic teaching and dissemination of statistical knowledge; and for a commitment to service on Society Councils, Government Advisory Committees, and Editorial Boards." Dr. Parzen was also awarded the 2005 Gottfried E. Noether Award "for a lifetime of outstanding achievements and contributions in the field of nonparametric statistics, both in research and teaching."