

2010 ICOSA Awards

1. Outstanding Service Award

Jane-Ling Wang, University of California at Davis

2. Distinguished Achievement Award

Ching-Shui Cheng, University of California at Berkeley

Ker-Chau Li, University of California at Los Angeles

3. President's Citation

Weiying Yuan, Johnson and Johnson

4. Biosketches of Award Recipients

Professor Ching-Shui Cheng



Professor Ching-Shui Cheng received his BS in Mathematics from National Tsing Hua University in 1972, and both his MS in Mathematics (1976) and Ph.D. in Mathematics (1977) from Cornell University. After receiving his Ph.D. degree, he joined the Department of Statistics, University of California at Berkeley, as an assistant professor. He was promoted to Associate Professor in 1983 and Professor in 1989. From January 2003 to December 2005, he was also a Distinguished Research Fellow and Director of the Institute of Statistical Science, Academia Sinica, in Taiwan.

Professor Cheng's research interest is mainly in experimental design and related combinatorial problems. He is a Fellow of the Institute of Mathematical Statistics and the American Statistical Association, and is an elected member of the International Statistical Institute. He was an

Associate Editor of the Journal of Statistical Planning and Inference, Annals of Statistics, Statistica Sinica, Biometrika, and Technometrics. He served as the Chair-Editor of Statistica Sinica from 1996 to 1999.

Professor Ker-Chau Li



Professor Ker-Chau Li received his B.S. National Taiwan University in 1975. He went to Statistics Department of U.C. Berkeley in 1977 and received an M.S. degree in 1979 and a Ph.D. degree in 1981. After spending the first two and a half years in Statistics Department of Purdue University as an assistant professor, he moved to Mathematics Department of UCLA in 1984. He became a Full Professor in 1989. In 1999, he joined the new Statistics Department at UCLA. In 2006, he was appointed the Director and Distinguished Research Fellow of Institute of Statistical Science, Academia Sinica till now. He is also Distinguished Professor at UCLA since 2009. He was an Editor of *Statistica Sinica* from 2001 to 2004 and received the outstanding service award from ICASA. Dr. Li received 1981 B. Friedman Memorial Prize in Applied Mathematics, U.C. Berkeley and became an IMS fellow in 1989, a Guggenheim fellow in 1990,

and a NSF/ ASA/NIST fellow in 1991. He was the 1990 JASA theory and methods Editor's invited speaker in Joint Statistical Meetings and the 2003 Medallion Lecturer, IMS.

Among the publications, he was known for the original work on two fundamental dimension reduction methods, sliced inverse regression (SIR) and principal Hessian direction (PHD). He received a Guggenheim Fellowship in 1993. He was a Medallion Lecturer of Institute of Mathematical Statistics in 2003. Starting from 2000, his research interest turned to the emerging field of computation/mathematics/statistics in genome biology. In 2002, he introduced the method of liquid association (LA) and illustrated its use in microarray gene expression analysis. He is currently leading a research group in Academia Sinica to continue the genomics research, utilizing multiple sources of gene expression profiling, genetic markers, complex disease phenotypes and traits.

Professor Jane-Ling Wang



Professor Wang received her Ph.D. in Statistics (1982) from the University of California at Berkeley and joined the Department of Statistics at the University of Iowa as an Assistant Professor. She moved to the University of California at Davis in 1984, was promoted to Professor in 1993, and served as the Chair of the Department from 1999 to 2003. She is a Fellow of the Institute of Mathematical Statistics, a Fellow of the American Statistical Association, and the Medallion Lecture (2007) of the Institute of Mathematical Statistics.

Professor Wang has made broad contributions to the ICSA, starting from her elected membership on the Board of Directors (1993-95, 1997-99) and as the Program Chair of the IMS Asian and Pacific Regional Meeting in Taipei (1997). Since then, she has been on various ICSA committees, including Publication Committee, Membership Committee, and several program committees. She is the Co-Chair of the ICSA Constitution Committee (2010-2011); chaired the Committee for Student Awards, ICSA Applied Statistical Symposium (2009); and was the president of the ICSA in 2008. She was a co-chair Editor (2002-2005) and Associate Editor (1996-2001) of *Statistica Sinica*, and a member of the Committee to select editors for *Statistica Sinica* (2007 and 2010).

Dr. Weiyang Yuan



Dr. Weiyang Yuan is currently Site Head of Biostatistics and Clinical Informatics in Asia, Johnson and Johnson Pharmaceutical Research and Development (J&J PRD). She has been training and managing a group of biostatisticians and SAS programmers in Shanghai to provide biostatistical support to the J&J global clinical trial projects. She has gained broad experiences in global new drug development during her eighteen years working in the pharmaceutical companies. In her previous role as Senior Director, Clinical Biostatistics in Internal Medicine (IM), Weiyang managed projects and staff members who were responsible for providing statistical support in the urologic, metabolism, and reproductive therapeutic areas in IM. Prior to IM, as a Global Statistical Leader, she led teams of biostatisticians and SAS programmers working on various successful worldwide filings and approvals of new drugs as well as new indications of marketed

drugs in the antipsychotic and neurological product teams in the CNS area. Prior to J&J during her six years tenure at Merck, she had been a major contributor to the successful approval of Worldwide Medical Applications (WMAs) and New Drug Applications (NDAs) for new drugs on osteoporosis, analgesics, and arthritics.

Dr. Yuan is a member of ASA and DIA. She is also a permanent member of ICSA. She served as Treasurer of the ICSA Applied Symposium (2000-2002), Treasurer and Chair of the ICSA Financial Committee (2003-2005), and the Chair of the Biometrics Section of the ICSA (2008).

Dr. Yuan received her Ph.D. and M.S. degrees in Biostatistics at the University of Michigan and her B.A. in English Literature at Beijing Normal University. Her research interests include multivariate analysis, longitudinal and missing data analysis, and design and analysis of all phases of clinical trials. She has many professional publications in biostatistics and clinical trial applications and has given lectures at the Fudan and Jiaotong universities, Shanghai Clinical Research Center, DIA short courses, as well as to the CDE/SFDA staff.