

**In Memory of Professor Jack Chao-sheng Lee —
A Scholar that Never Stops Learning**

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The passing of Professor Jack Chao-sheng Lee due to a heart attack on March 2, 2007, is a big loss to the communities of statistics and of finance. Professor Lee received his B.S. in Management from National Taiwan University, Taiwan, in 1964, his M.A degree in Economics from University of Rochester in 1969, and his Ph.D. in Statistics from SUNY at Buffalo in 1972. Since 2002, Prof. Lee has been the University Chair Professor of the Graduate Institute of Finance and the Institute of Statistics at National Chiao Tung University in Hsinchu, Taiwan. Prof. Lee is a Fellow of the American Statistical Association, was elected Ordinary Member of the International Statistical Institute, and was President of the International Chinese Statistical Association in 1992. He received the Distinguished Service Award from the Chinese Statistical Association in 1997, the Service Award from the International Chinese Statistical Association in 1993, and the Award of Excellence from Bell Comm. Research in 1987. Professor Lee published many papers, and his research subjects included many fields in Statistics, including Multivariate Analysis, Time Series Analysis, Growth Curves, Bayesian Inference, and Classification and Pattern Recognition. He also published in other areas such as Portfolio Management and Option Evaluation, with particular applications in Finance. The detailed bibliography of Professor Lee is posted at the web site of the Journal of Data Science, <http://www.sinica.edu.tw/jds/In-memory-of-Jack-Lee.pdf>. A memorial session will be held in the 2008 Joint Statistical Meetings, and the details are posted at <http://www.amstat.org/meetings/jsm/2008/>.

The editor of Journal of Data Science, Professor Min-Te Chao, is very kind to offer the opportunity to publish a special issue in memory of Professor Lee in the July 2008 issue. He is also very supportive to guide and help the editing process. Contributed authors all over the world also provide their research articles to honor Professor Lee in this special issue. Reviewers are very helpful to improve these contributed articles. In addition, Professor George C. Tiao, Marvin Zelen, Chengfew Lee, Wai-Yuan Tan, Grace Yang, Lee-Jen Wei, Ruey S. Tsay, Shaw-Hwa Lo, Jane-Ling Wang, Dennis K. J. Lin and many others are very generous to provide help for preparing these memorial events. Without these efforts, it is impossible to have this special issue in the Journal of Data Science and related memorial events. I would like to express my sincere gratitude to them one more time.

When I planned to graduate from my Ph.D. program at Cornell University in the spring semester of 1994, I started to look for a job opening in the fall semester of 1993. At that time, there was job opening of teaching position in the Institute of Statistics at National Chiao Tung University that was newly funded in 1992. Professor Lee was the first Director, and I submitted my job application to him. He responded very quickly and efficiently with the discussion of many detailed issues. He also made an appointment with me to have a job interview at his home in New Jersey when he flew back home from Taiwan during winter break. That was the first personal contact that I had with him.

I drove from Ithaca, New York, to meet Professor Lee at his home in New Jersey. That was a long drive under the typical weather conditions of snow on the East Coast. When I finally drove to his beautiful home in New Jersey in the late afternoon, we met each other for the first time. He gave a lot of encouragement to a Ph.D. candidate like me and shared many valuable experiences. He also talked a lot of his plans to establish a strong research institute of statistics in Taiwan. He was full of energy, and his enthusiasm throughout our conversation served to warm up the mind of a young researcher like me in the cold weather. I still had the strong impression that I left his home with a warm heart on a heavy snowy night, even years after the first meeting.

Consequently, I took the job to teach in the Institute of Statistics at National Chiao Tung University as my first job after my graduation in the spring semester of 1994. Since then, I had been a colleague of Professor Lee and got a lot of opportunities to interact with him for almost thirteen years. It was really amazing to observe that Professor Lee never stopped learning as an established scholar. For example, he never had the chance to learn about computers in his student years. However, he managed to learn about computers and also started to use computation intensive methods, like Monte Carlo Markov Chain and other methods in his later research. He was also active in applying statistics to different interesting problems in the real world. He has established a research model in pursuit of state-of-the-art techniques and advanced applications. He has shown affirmative activities toward the enduring life of an academic scholar.

Besides his academic activities, Professor Lee was a very efficient administrator as the Director with other duties of a senior professor. He successfully recruited talented researchers to the Institute of Statistics at National Chiao Tung University. He also worked with all of his colleagues to build a very good foundation that established this new institute as one of the leading research institutes in the community of statistics in Taiwan. He further moved on to help build the Graduate Institute of Finance at National Chiao Tung University. He devoted himself to academic developments in Taiwan between 1992 and 2007 that will be certainly be beneficial to the next generation of statisticians and financial

professionals in his home country that he deeply loves.

According to the experiences of personal contacts that I had in the past thirteen years, Professor Lee was a very pleasant colleague to work with. He was always willing to discuss and share experiences. I still remember those wonderful events that he had with us for the past decade, including his delighted whistling in the hallway, his laugh, his enthusiasm in actions and so forth. To me, he was a great scholar that enlightened the academic researches through his entire life. His passing is indeed a big loss to the communities of statistics and finance in Taiwan and all over the world!