Features:

New Executives and Members of the Committees
2010 ICSA Election Results
2011 Applied Statistics Symposium (June 26-29) in New York City
Dear ICSA Members,

On behalf of the ICSA Bulletin editorial members and writers, I want to wish you all a very happy and prosperous new year. We are grateful that you consistently read our articles and reports. I hope that you find the Bulletin an important source for updates and articles pertaining to all aspects of the ICSA.

This issue of the Bulletin features two large ICSA sponsored/co-sponsored events: the annual members meeting and banquet at the 2010 JSM held in Vancouver, Canada and the eighth ICSA International Conference held in Guangzhou, China. Descriptions and pictures of both events have been published in this issue. The Bulletin also includes announcement and other important information about the upcoming 2011 Applied Statistics Symposium held in New York City. Detailed information about those activities is posted on the ICSA website at www.icsa.org.

The Bulletin enjoys publishing news and items that are of interest to society and professionals, including member news; professional accomplishments; success stories; special topics and discussions about statistical issues; and interviews with distinguished statisticians in academia, industry and government. You are the best source of information for these articles. Please continue to look for and send in items that you think will interest our ICSA family.

Best Regards,

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Omaha, NE 68198-4375
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ICSA 2011 EXECUTIVES AND MEMBERS OF THE COMMITTEES

EXECUTIVES

President: Naisyin Wang (2011)
Past President: Xuming He (2011)
President-elect: Ivan S.F. Chan (2011)
Executive Director: Shu-Yen Ho (2011-2013)
ICSA Treasurer: Lynn Kuo (2010-2012)
Office of ICSA: Lili Yu, Adam Chen, Ruth Whitworth, Karl Peace, Charles Hardy, Jiann-Ping Hsu College of Public Health, Georgia Southern University, oicsa@icsa.org.
Phone: (912) 478-1277

BOARD of DIRECTORS

Kai Yu (2011), Biometrics Section Representative

STANDING COMMITTEES

Program Committee:
Ying Lu (Chair, 2009-2011) (ylu1@stanford.edu)

Term of reference:
(1) Recommend conference and symposium sites, including candidates for their Chairs.

(2) Recommend general policy for all meetings, subject to approval by the Board of Directors.
Finance Committee:

**Lynn Kuo (Chair, 2010-2012)** ([lynn@stat.uconn.edu](mailto:lynn@stat.uconn.edu))

Member: Linda Yau (2010-2012) ([linda.h.yau@gsk.com](mailto:linda.h.yau@gsk.com))

Member and past chair of Financial Committee: Yusong Chen (2010-2012) ([chen.yusong@endo.com](mailto:chen.yusong@endo.com))

**Term of reference:**

1. Manage three ICSA bank accounts (L. Kuo, ICSA main account; L. Yau, ICSA Applied Statistics Symposium account; Y. Chen, ICSA J. P. Hsu Memorial Scholarship Fund account).
2. Oversee the budget and to recommend long-term financial planning and invest the Association’s assets, subject to approval by the Board of Directors.
3. Manage ICSA PayPal account for online credit card payment.

Nomination and Election Committee:

**Heping Zhang (Chair, 2011, hepingle.zhang@yale.edu),**
Kun Jin (2009-2011, kun.jin@fda.hhs.gov),
Hui Quan (2009-2011, Hui.Quan@sanofi-aventis.com),
Ouhong Wang (2010-2012, owang@amgen.com),
Yazhen Wang (2010-2012, yzwang@stat.wisc.edu),
Sue-Jane Wang (2010-2012, suejane.wang@fda.hhs.gov),
Jianxin Pan (2011-2013, Jianxin.Pan@manchester.ac.uk),
Jung-Ying Tzeng (2011-2013, ytzeng@stat.ncsu.edu),
I-Ping Tu (2011-2013, iping@stat.sinica.edu.tw).

**Term of reference:**
Nominate the candidates for President-elect and members of the Board of Directors

Publication Committee:

**Ming-Hui Chen (2011, Chair)** ([mhchen@stat.uconn.edu](mailto:mhchen@stat.uconn.edu))

Peter Hall (Co-Editor of S. Sinica), Jing-Shiang Hwang (Co-Editor of S. Sinica), Kung-Yee Liang (Co-Editor of S. Sinica), Fang Yu (Editor of Bulletin),
Jose C. Pinheiro (Co-Editor of SIB), Hongyu Zhao (Co-Editor of SIB),
Xihong Lin (Co-Editor of SIB), Shu-Yen Ho (Ex-Officio).

Term of reference:
Oversee the publication policy of the Association and make recommendations
to the Board of Directors.

**Constitution Committee:**

**Jianqing Fan (2010-2011, Co-Chair)**

**Jane-Ling Wang (2010-2011, Co-Chair)**

Ivan Chan (2010-2011),
Zhiliang Ying (2010-2011),
Ming-Hui Chen (2010-2011, secretary),
Naisying Wang and Xuming He (ex-officio).

Term of reference:
Review the Association’s Constitution and By-Laws and prepare a revision if
necessary.

**Membership Committee:**

**Zhaozhai Li (2009-2011, Chair, 2011)** (zli@gwu.edu)

Yingying Fan (2009-2011, fanyingy@marshall.usc.edu)

Li Liu (2010-2012, Li.Liu@sanofi-aventis.com),

Haoda Fu (2010-2012, Fu_Haoda@lilly.com),

Yuehua Wu (2010-2012, wuyh@mathstat.yorku.ca),

Zonghui Hu (2011-2013, huzo@niaid.nih.gov),

Pei Wang (2011-2013, pwang@fhcrc.org).

Term of reference:
Recruit new members and contact interested potential individuals and
organizations.

**Awards Committee:**

**Xiaotong Shen (2011-2013, Chair, 2011) (xshen@stat.umn.edu)**
Howell Tong (2009-2011, howell.tong@gmail.com),
Georgia Tiao (2009-2011, george.tiao@gsb.uchicago.edu),
W.K. Li (2010-2012, hrntlwk@hku.hk),
Jeff Wu (2010-2012, jeff.wu@isye.gatech.edu)
Jane-Ling Wang (2011-2013, wang@wald.ucdavis.edu).

Term of reference:
Accept, evaluate, and recommend nominations for ICSA various awards.

ICSIA IT Committee:
Lixin (Simon) Gao (Chair, 2010-2012) (gaolixin@yahoo.com)
Don Sun (Chair) (dsun48@gmail.com),
Ruth Whitworth (rewhitworth@georgiasouthern.edu)

2011 Applied Statistics Symposium Committee:
Jin, Zhezhen (Chair) (zj7@columbia.edu)

Term of reference:
Organize the Applied Statistics Symposium, June 26-29, 2011, the Westin New York Hotel at Times Square, New York City, New York, USA.

Book and Journal Donation Committee:
Tar Timothy Chen (Chair) (tar_timothy_chen@yahoo.com)

Term of reference:
Solicit book and journal donations and to arrange their delivery to universities or colleges in need.

Annual Meeting Committee (2011 JSM):
Jie Mi (Chair, 2011) (mi@fiu.edu)

Term of reference:
Plan and coordinate and arrange the August annual meeting at the 2011 JSM at July 30 – August 4, 2011, Miami Beach, Florida, USA.
ICSA JSM Program Chairs
Huixia Wang (JSM 2011 Program Chair, wang@stat.ncsu.edu)
Bin Nan (JSM 2012 Program Chair, bnan@umich.edu)

Term of reference:
Represent ICSA in the JSM Program Committee, coordinate ICSA sponsored and co-sponsored sessions at JSM.

Archive Committee:  
Naitee Ting (Chair, 2011),  
Smiley Cheng, Shein-Chung Chow, Nancy Lo, Lili Yu.

Term of reference:  
Plan and implement electronic archive for the Association.

BIOMETRICS SECTION  
Kai Fun Yu (Chair, 2011),  
Wei Yann Tsai (Past Chair, 2010),  
Ying Qing Chen (Former Chair, 2009),  
Weiying Yuan (Former Chair, 2008),  
Greg Wei (Former Chair, 2007),  
Naitee Ting (Former Chair, 2006),  
Sue Jane Wang (Former Chair, 2005)
From the 2011 ICSA President

Naisyin Wang, Ph.D., Professor

Dear ICSA Members,

I am excited and honored by the opportunity of serving the role of ICSA president. I thank our members for giving me this privilege to serve you. With the transition taking place, I also like to thank Xuming He, the ICSA 2010 president, and Ming-Hui Chen, the ICSA executive director 2007-2010, for their splendid efforts and devotion that has furthered the progress of ICSA to a leading international association.

By working with several of my predecessors, Ming-Hui has led the efforts to build up a well functional central office and web-site for ICSA with various convenient options for ICSA meetings. Furthermore, he has identified and worked with Shu-Yen Ho who is now replacing him. For his devotion and contributions, Xuming and I really could not thank him enough. During his presidency, Xuming has created several initiatives. The on-going ones include establishment of P.L. Hsu award to honor the leading Chinese statistics scholar and educator Pao-Lu Hsu, the promotion of collaboration between academia and industry, the initiation of co-sponsorship of Statistics and Its Interface (SII), and the revision of ICSA constitution. You can see that all these initiatives aim at leading to a stronger association for further growth. By working and discussing with Xuming about these initiatives, I realize that one cannot take the duty of continuing the advancements of ICSA and serving our members lightly. I hope I can continuously count on our members’ input, support and feedback so that we can work together to make ICSA even stronger.

Devoted volunteers are the key source of progression for our association. I like to thank my newly appointed 2011 committee members whose enthusiasm has made the task of appointing committee members a joyful and encouraging experience. I am pleased to report that we are able to maintain the support of several key persons who are essential to some on-going major activities as well as recruit new talents to serve our association. Your efforts and support are critical to the continuing growth of ICSA.

One important task of an association such as ICSA is to help our young people to seek suitable educational and developmental opportunities. As many of our new Ph.D. members obtain his/her degree from different corners in the world, it would be helpful to provide possibilities that enable them to continue post-doctoral education at alternate locations. We hope such an experience can broaden their views on research topics and further their chance of advancement. Our immediate goal on this regard is to help creating connections among individuals (or institutes) who are searching for or offering such an opportunity through ICSA web-site. We will also work on offering interaction environment during meetings around the world. We will put together an ad hoc committee to look into initiating this endeavor. As all other activities of ICSA, the success of this task relies on the support and new ideas from our members. We appreciate any suggestions, comments and support from you.
Talking about meeting, our program committee, lead by Ying Lu, has been working hard to make sure that the incoming meetings will fulfill the high standard created by our successful meetings in the past. ICSA 2011 Applied Statistics Symposium will take place in New York City on June 26-29. There will be more than 90 invited sessions, 7 short courses, social events and an evening banquet. It would be an excellent opportunity to exchange ideas and renew friendships with colleagues and enjoy lively culture in New York City. If you have not made up your mind about attending, please do consider it and I look forward to seeing you there.

ICSA currently has more than 1000 active members. However, we also have more than 2000 former members. Furthermore, we like to continue our efforts to include members from industry, government and academia from all ethnic background. ICSA is an association for Chinese, Chinese descents and friends of Chinese. The lifetime membership of $600 remains to be a bargain. The annual membership is only $40. Please don’t forget to renew your membership if you have not done so. Please also help us to encourage friends to become a member of ICSA. Again, we welcome Chinese as well as friends of Chinese new members. In the mean time, if you have new ideas on how ICSA can better serve its members or how to make us more visible to all, please feel free to email me at nwangstat@gmail.com.

I like to end this letter by thanking you again for giving me this opportunity to serve. I will work with President-elect Ivan Chan, our new Executive Director, Shu-Yen Ho, our board members and all committees to find ways to better serve your need. The suggestions, support and feedback from our members have always been the main power to keep our association moving forward. We hope we can count on your very valuable input as always.

I hope you have a joyful, healthy, prosperous year of rabbit!

Naisyin Wang
Departments of Statistics and Biostatistics,
University of Michigan, Ann Arbor,
January 5th, 2010
From the 2010 ICSA President

Xuming He, Ph.D., Professor

As I become the past president of the ICSA, I would like to take this opportunity to thank you, my fellow ICSA members, for your trust and support at all times. It has been a great pleasure to work with so many volunteers for the advancement of the ICSA. Together we can celebrate another great year for our society.

The 2010 ICSA Applied Statistics Symposium in Indianapolis and the 8th ICSA International Conference in Guangzhou were among the most successful meetings in our history, thanks to our dedicated program chairs and local organizers. The ICSA's annual symposium continues to gain popularity. Upon the suggestions of this year’s organizers, the ICSA started to work on a centralized operational support system to make future symposiums easier to manage. The ICSA presence at 2010 JSM in Vancouver was also prominent. In 2010, I wore the hats of ICSA President as well as JSM Program Chair. I am pleased to report that the ICSA has gained the status of a permanent partner society of the JSM, and will play more active roles in the future. Starting from last year, you can submit proposals for invited sessions and abstracts for topic contributed or contributed talks to JMS with the ICSA as the primary sponsor. Please consider doing so to make the ICSA more visible at JSM.

The ICSA Board of Directors has approved my initiative to establish the P.L. Hsu Prize to honor one of the greatest Chinese statisticians Pau-Lao Hsu, and to recognize outstanding individuals who share Hsu's vision to promote statistical research and education. The prize will be given once every three years to individuals under the age of 50. Details on nomination and selection will be forthcoming. An ICSA-sponsored memorial session for P.L. Hsu will be featured at the 2011 JSM.

I worked with the ICSA Executives and the Board to revise the ICSA Constitutions and Bylaws to keep them up-to-date. This process is now well under way. A committee co-chaired by Jane-Ling Wang and Jianqing Fan has just completed discussions on revisions and amendments. Among other things, their proposal aims to ensure fair representations of the ICSA members from academia and non-academia. I am confident that the final approval and adoption of the proposal will be completed under the watch of our new President, Naisyin Wang. Naisyin and I have worked together to ensure continuity of our initiatives, including this important one for the future of the ICSA.

Another initiative to promote the collaboration between industry and academia got started with featured sessions on collaborations at the Applied Statistical Symposium and a panel discussion at the ICSA International Conference. I hope that the momentum will continue. The panel discussion at the ICSA International Conference made a good suggestion to include collaboration with the government sector. The ad hoc committee on
industry-academia collaboration will continue to find ways for the ICSA to play a bigger role in promoting broad collaborations.

The success of the ICSA journals depends a lot on editors. We had a busy year identifying new editors for ICSA journals. Jeng-Min Chiou, Naisyin Wang, and Qiwei Yao will form a new editorial team for *Statistica Sinica* (SS) beginning August 2011. Jose C. Pinheiro and Hongyu Zhao will join Xihong Lin as co-editors of *Statistics in Biosciences* (SIB) starting January. On behalf of the ICSA, I would like to thank the outgoing editors and welcome the incoming editors for their willingness to serve. The ICSA Board has recently approved co-sponsorship of a third journal, *Statistics and Its Interface* (SII), published by International Press in Boston. Soon, the ICSA members will be able to gain free online access to these three journals, covering a wide range of areas, from theory and methods to biostatistics to statistical interface. SS has become an internationally respected publication of the ICSA. SII was recently added to the Science Citation Index (Expanded), and SIB is well on its way to become a major journal in biostatistics and related areas. I believe that this line-up of journals will best serve ICSA members with diverse interests.

We accomplished a lot last year thanks to so many of you who were willing to share your time and wisdom to serve the ICSA. I know that there is still a lot more that we need to do in the years ahead. The good news is that President Naisyin Wang and President-Elect Ivan Chan, are now on board to take us to a brighter future. Also, the ICSA has a new Executive Director Shu-Yen Ho to succeed Ming-Hui Chen. Ming-Hui’s contributions to the ICSA have been tremendous, and I would like to take this opportunity to wish him well in all his future endeavors.

Happy New Year!

Xuming He
2010 ICSA President
Dear ICSA Members,

Happy New Year!

I am delighted to have this opportunity to serve as the ICSA Executive Director for the next three years (2011-2013). Over the past 4 years, my predecessor, Professor Ming-Hui Chen has led to the significant improvement of ICSA infrastructure. We now have a permanent office with full time and part time staff supporting various activities. We also have a rebuilt website that takes online membership application or renewal and accepts credit card payments. All our members can access the Newsletters, Bulletin, Statistica Sinica and Statistics in BioSciences with a few clicks. If you have not visited the ICSA website recently, please check it out at http://www.icsa.org. This infrastructure improvement has really made my Executive Director job a lot easier, however, it will not make it any easier for me to fill Ming-Hui’s shoes.

The 2010 second ICSA board meeting was held on August 1, 2010 at the Vancouver Convention Center during the 2010 JSM. In this meeting, the board unanimously certified the 2010 election results. Subsequently the election results were announced at the ICSA annual members meeting on August 4, 2010. Also updated during the board meeting were: the selection of new editors of Statistics in BioSciences, the establishment of ICSA P.L. Hsu’s Prize, and the revision of ICSA ByLaws.

During December 19-22 2010, ICSA successfully held its eighth international conference in Guangzhou, China. The conference theme was frontiers of interdisciplinary and methodological statistical research. Our many thanks go to the organizers and local committee for their dedication and contribution to this conference.

In June (26-29) 2011, the Applied Statistics Symposium will be held in New York City with various scientific sessions, short courses, social events and an evening banquet. We look forward to seeing you there, for program details please visit the ICSA website http://www.icsa.org.

Your support and participation of ICSA programs and activities will be important for the continued success of ICSA. I look forward to serving you for the next three years and I welcome your ideas and suggestions.

Have a great year!

Shuyen Ho, Ph.D.
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# 2010 International Chinese Statistical Association (ICSA)

## Election Results

<table>
<thead>
<tr>
<th>ICSA Office</th>
<th>Elected Officer</th>
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| 2011 President-elect         | **Ivan S. F. Chan** (Merck Research Laboratories)  
Email: ivan_chan@merck.com |
| Directors of ICSA Board      | **X. Joan Hu** (Simon Fraser University)  
Email: joanh@sfu.ca   |
| (2011-2013)                  | **Zhezhen Jin** (Columbia University)  
Email: zj7@columbia.edu |
|                              | **Liang Peng** (Georgia Institute of Technology)  
Email: peng@math.gatech.edu |
|                              | **Yu Shen** (University of Texas M.D. Anderson Cancer Center)  
Email: yshen@mdanderson.org |
|                              | **Guosheng Yin** (University of Hong Kong)  
Email: gyin@hku.hk |
| 2011 Biometrics Section Chair| **Kai Fun Yu** (National Institutes of Health)  
Email: yukf@mail.nih.gov |
Program Committee Report (December 2010)

Ying Lu (Chair, 2009-2011, ylu1@stanford.edu), Yongming Qu (2009-2011, qu_yongming@lilly.com), Zhezhen Jin (2010-2012, zjin@biostat.columbia.edu), Dongseok Choi (2010-2012, chois@ohsu.edu), Jeng-Min Chiou (2011-2013, jmchiou@stat.sinica.edu.tw), Annie Qu (2011-2013, anniequ@illinois.edu) and Tianxi Cai (2011-2013, tcai@hsph.harvard.edu)

ICSA Program Committee
1. Professor Tze Leung Lai has completed his term as a committee member. We want to thank his contributions in the last two years. President-Elect, Professor Naisyin Wang has appointed three new members to the program committee. They are Professors Jeng-Min Chiou from the Institute of Statistical Science, Academia Sinica, Annie Qu from the University of Illinois, Urbana-Champaign, and Tianxi Cai from Harvard University. Their term is from 2011 to 2013.
2. The program committee is developing an operational manual for the annual applied statistical symposium. The goal of this document is to provide guidance for future symposium organizers based on past experience of previous symposiums.
3. The program committee will work with ICSA Board of Directors on projects to promote collaborations between members from academia, industry and government.

Past Events in 2010
1. ICSA co-sponsored the First Joint Biostatistics Symposium in Beijing, July 15-18, 2010 (http://stat.ruc.edu.cn/en/67375.html). This Symposium was organized by major Chinese statistical associations with focuses on statistical methods and their applications in basic medicine, clinical medicine, public health and preventive medicine, traditional Chinese medicine, health economics, and statistical methods in bioinformatics. The conference had 36 invited sessions. Professors Ross Prentice, Mark Becker, Boli Zhang, and Kaitai Fang delivered keynote addresses.
2. ICSA co-sponsored the 2010 Shanghai International Biostatistics Workshop (SIBW) hosted by the Biostatistics Center, East China Normal University, Shanghai, China, from July 19, 2010 to July 21, 2010.
3. ICSA general member meeting and banquet dinner in 2010 JSM was held on August 4th, 2010 at Vancouver, Canada.
4. ICSA International Conference was successfully held in December 19-22 in Guangzhou, China. The detailed information of this conference will be reported separately.

Year 2011:
1. The 20th annual ICSA Applied Statistical Symposium will be held from Sunday June 26 to Wednesday June 29, 2011 in the Westin New York at Times Square in New York City, New York, USA. The conference will include short courses, technical presentations, paper contest, and social events. More details about the symposium can be found from the ICSA webstie (http://www.icsa.org/2011/).

Donations from corporations and members to support the symposium are welcome.
2. ICSA agrees to co-sponsor the second IMS Asia and Pacific Rim Meetings (APRM) will be held in Tokyo, Japan during the period July 3 (Sunday) - July 6 (Wednesday), 2011. For more details, please ask Professor Runze Li, rli@stat.psu.edu


4. 2011 JSM will take place in August at Miami Beach, Florida. There will be an ICSA member meeting and a banquet. Professor Jie Mi (mi@fiu.edu) of Florida International University is the local organizer. Detailed information will be posted in spring at ICSA website.

Year 2012:
1. ICSA 2012 Applied Statistical Symposium will be held on June 23 to June 26, 2012 (Tuesday), Westin Waterfront, Boston, Massachusetts, USA. Dr. Mingxiu Hu (Mingxiu.Hu@mpi.com) and Professor Tianxi Cai (tcai@hsph.harvard.edu) will co-chair this event. The organization committee has been established. If you would like to offer help, please contact the co-chairs.

2. JSM will take place in August at San Diego, California. There will be an ICSA member meeting and a banquet. If you are interested in organizing or helping, please contact Professor Ying Lu (ylu1@stanford.edu).

Year 2013
1. ICSA 2013 Applied Statistical Symposium will be held in Baltimore, MD. If you would like to help, please contact Dr. Yi Tsong, (yi.tsong@fda.hhs.gov).

2. The 2013 (Ninth) ICSA International Conference will be held at Lam Woo International Conference Centre, Hong Kong Baptist University. For more information, please contact Professor Lixing Zhu (lzhu@hkbu.edu.hk) at Hong Kong Baptist University.

Year 2014
1. ICSA 2014 Applied Statistical Symposium will be held in Portland, Oregon. If you would like to help, please contact Dr. Dongseok Choi (choid@ohsu.edu).

Year 2015
1. ICSA 2015 Applied Statistical Symposium will be held in Fort Collins, Colorado. If you would like to help, please contact Dr. Naitee Ting (Naitee.Ting@boehringer-ingelheim.com) or Professor Haonana Wang (wanghn@stat.colostate.edu)

If you would like to have ICSA co-sponsorship for statistical conferences and meetings, please use the website http://www.icsa.org/meetings/co-sponsorship/index.html to submit your application for co-sponsorship.

The program committee would appreciate comments and suggestions to improve ICSA programs. Please send your inputs to Ying Lu (ylu1@stanford.edu).
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. **Presidents’ Citation**  
   Weiying Yuan, Johnson and Johnson

4. **Biosketches of Award Recipients**

   ❖ **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).
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 ICSA. 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.

Dr. Weiying Yuan

Dr. Weiying 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), Weiying 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.
ICSZA Banquet at JSM 2010
Jiahua Chen, Ph. D., Professor

The ICSA annual banquet at JSM 2010 was held at Shiang Garden (叙香园，摘星楼). The logistic of the banquet received strong support from ICSA executive director Ming-Hui Chen and the president Xuming He. Almost all Chinese graduate students in the department of statistics, UBC helped out. I would like to put their names here and express my sincerely thanks on behalf of the ICSA: Song Cai (organizer), Tara Cai, Yi Huang, Zi Jin, Yitian Liang, Libo Lv, Chen Xu, Xiaoli Yu, Vincent Zhai. They also kept the ICSA information booth open for three days and provided useful local information to ICSA members.

The restaurant reserved their special hall for this private function. Almost all delegates made the journey to the venue smoothly, in spite of the problem that it is located some distance away. The ICSA also prepared a large number of books as door prizes. We witnessed many happy winners. Most importantly, the process provided some rare opportunities for members to get to know others sitting in other tables.

Jiahua Chen
University of British Columbia
Vancouver, Canada
ASA President-Elect, Nancy L. Geller

Jane-Ling Wang: Receiving the ICSA Outstanding Service Award
Ker-Chau Li: Receiving the ICSA Distinguished Achievement Award

ZheZhen Jin: Reporting the 2011 ICSA Annual Applied Statistics Symposium
The Eighth ICSA (International Chinese Statistical Association) International Conference was successfully held on December 19-22, 2010 in Guangzhou, Guangdong Province of China. The conference was co-sponsored by the American Statistical Association, the Chinese Association of Applied Statistics, the Chinese Society of Probability and Statistics, the Institute of Mathematical Statistics, and International Society for Bayesian Analysis (ISBA). The conference was also jointly organized by the College of Mathematics and Information Science, Guangzhou University.

The first day of the conference was held in the beautiful new campus of Guangzhou University. Professor Guangfu Cao (曹广福), Dean of the College of Mathematics and Information Sciences at Guangzhou University introduced the special guests. Professor Jianshe Yu (庾建设), President of Guangzhou University; Professor Xuming He, President of ICSA, University of Illinois; Professor Bin Yu, Co-Chair of the Program Committee, University of California at Berkley; Professor Jiaan Yan (严加安), Fellow of the Chinese Academy of Sciences; and Professor Yuan Li (李元), Co-Chair of the Local Committee, Guangzhou University delivered the welcoming speeches, while Professor Ming-Hui Chen of the University of Connecticut chaired the opening ceremony. Other special guests included Professor Shige Peng (彭实戈), Fellow of the Chinese Academy of Sciences; the Head of the Statistical Bureau of the city of Guangzhou; the Vice-President of Guangdong University of Technology; and Professor Zhi Geng (耿直), Co-Chair of the Local Committee, Peking University. After the opening ceremony, all of the conference delegates gathered outside for a group photo. The end of the first day closed with a grand banquet at New South Sea Seafood Restaurant. During the following three days, all invited and contributed sessions were held in Guihuagang Campus. The second night concluded with a trip to Pearl River, while the third day featured a visit to Bao-Mo Garden in Guangzhou City. More than 430 people from all over the world attended the conference.

There were six plenary talks, 63 invited sessions, and 20 contributed sessions. The plenary talks delivered by prominent scholars covered research areas from environmental science to bio and medical science, from times series to Bayesian statistics and from dimension reduction to model uncertainties. The plenary speakers came from many parts of the world. Our invited and contributed sessions covered an even wider range of topics. For example,
current research on experimental design, clinical trials, multiple testing, Bayesian inference, bioinformatics, statistical genetics, financial engineering, spatial statistics, high-dimensional data analysis, pollutant concentration modeling, machine learning and optimization, just to name a few. In particular, the two special panels on academy-industry collaboration and for new researchers were well attended.

The scientific program committee and local committee of the 8th ICSA International Conference would like to thank the Guangzhou University for providing financial support and hospitality for hosting this conference. Special thanks also go to the faculty and students of the College of Mathematics and Information Sciences, Guangzhou University for their great efforts and hard work for providing their excellent services to the conference.

Entrance of 图书馆附楼的五楼学术报告厅
Dean Guangfu Cao (曹广福) introduced special guests

Boat ride on Pearl River

Trip to Bao-Mo Garden in Guangzhou City
Six plenary speakers receiving appreciation plagues
Announcement

The 20th ICSA Applied Statistical Symposium will be held from Sunday June 26 to Wednesday June 29, 2011 in the Westin New York at Times Square in New York City, New York, USA. The conference will include short courses, technical presentations, student paper contests, and social events.

Professor David Donoho at Stanford University, Professor Danyu Lin at The University of North Carolina at Chapel Hill, and Dr. Ji Zhang at Sanofi-aventis Inc will deliver the keynote lectures.

Professor (emeritus) George C. Tiao at University of Chicago will give banquet speech, organized by Professor James Fu at University of Manitoba on the topic of “The History of ICSA & the Applied Statistics Symposium”.

The symposium plans to offer eight short courses (one full-day and seven half-day short courses), on Sunday June 26, 2011, in the areas of multiple comparison, cross-over trials, equivalence testing, group sequential methods, dose finding, megavariate data, and survey data analysis. Please contact Dr. Gang Li (gli@its.jnj.com, Johnson & Johnson) for short course related questions.

We are working to make this conference a special event for everyone to enjoy, and a special tribute to the 20th anniversary of the ICSA Applied Statistical Symposium. We welcome all new and current members to participate in this symposium. We would also like remind the participants the following important dates:

**February 28th, 2011**— Registration and hotel reservation open

**April 1st, 2011**— Deadline for abstract submission of invited sessions

Deadline for manuscript submission for student awards

**May 1st, 2011**— Deadline for abstract submission of contributed talks

Deadline for early-bird registration

**May 26th, 2011**— Last day of online registration and hotel reservation with conference rate.

Please visit the symposium website [http://www.icsa.org/2011](http://www.icsa.org/2011) for the information on registration, abstract submission, hotel reservation and other details.

Zhezhen Jin
on behalf of 2011 symposium organizing committee
ICS A 2 0 1 1 A p p l i e d S t a t i s t i c s S y m p o s i u m C o m m i t t e e s

The Executive Committee consists of the following members: Zhezhen Jin (Chair, zj7@columbia.edu, Columbia University), Gang Li (gli@its.jnj.com, Johnson & Johnson), Mark Chunming Li (Chunming.m.li@pfizer.com, Pfizer), Mengling Liu (Mengling.Liu@nyumc.org, New York University), Hui Quan (hui.quan@sanofi-aventis.com, Sanofi-aventis), Ying Wei (ying.wei@columbia.edu, Columbia University), Wei Zhang (wei.zhang@boehringer-ingelheim.com, Boehringer Ingelheim Pharmaceuticals, Inc.), and Tian Zheng (tzheng@stat.columbia.edu, Columbia University).

The program committee members are: Tian Zheng (Chair, tzheng@stat.columbia.edu, Columbia University) Mengling Liu (Co-chair, Mengling.Liu@nyumc.org, New York University), James Chen (jchen@nctr.fda.gov), Naihua Duan (Naihua.Duan@columbia.edu), Weili He (weili_he@merck.com), Wenqing He (haq@stats.uwo.ca), Inchi Hu (imichu@ust.hk), Joan Hu (joan@stat.sfu.ca), Qi Jiang (qijiang@amgen.com), Jiashun Jin (jiahsu@stat.cmu.edu), Hongzhe Li (hongzhe@upenn.edu), Aiyi Liu (liua@mail.nih.gov), Dacheng Liu (dacheng.liu@boehringer-ingelheim.com), Ji Meng Loh (loh@research.att.com), Zhaoling Meng (zhaoling.meng@sanofi-aventis.com), James Pan (JPan3@its.jnj.com), Annie Qu (anniequ@illinois.edu), Yongzhao Shao (yongzhao.shao@nyumc.org), Guoxing Soon (Guoxing.Soon@fda.hhs.gov), Susan Wang (susan.wang@boehringer-ingelheim.com), David Zhang (dzhang@gene.com), Ying Zhang (ying-j-zhang@uiowa.edu), Hongyu Zhao (hongyu.zhao@yale.edu), Gang Zheng (zhengg@nhlbi.nih.gov), Ji Zhu (jizhu@umich.edu)
ICSA 2011 Applied Statistics Symposium
Student Paper Awards and Travel Grants

The 20th Annual ICSA Applied Statistics Symposium will be held on Sunday June 26 through Wednesday June 29, 2011, at the Westin New York at Time Square, New York, USA. The Symposium will offer Student Paper Awards and Travel Grants to encourage student members of ICSA to attend and present their research work at this annual meeting.

**Qualification:** The applicant must be an ICSA member at the time of manuscript submission, a degree candidate in any term during the academic year 2010-2011 at an accredited institute and be able to register and present the research work at the 2011 symposium.

**Requirement Manuscript:** Manuscript should be prepared double spaced using Biometrics or JASA guidelines for authors. Excluding tables and figures, the manuscript must be no more than 20 pages using at least one-inch for all margins and no smaller than 12-point font. The research work must be relevant to application in a variety of fields including biomedicine, finance, business, etc. The manuscript may be co-authored with a faculty advisor and/or a small number of collaborators, although the student must be the first author.

**Submission of Manuscript:** Manuscript should be received by April 1, 2011. The submission should include:
- A cover letter;
- A separate title page with author(s), institutional affiliation, mailing address, phone/fax numbers and email address;
- A separate page of abstract;
- A blind copy of the manuscripts without author information or affiliation;
- A copy of the ICSA membership application form for non-members.

All materials should be sent to Dr. Mengling Liu:
- at email: mengling.liu@nyu.edu;
- Or at post mail: Division of Biostatistics, New York University School of Medicine, 650 First Ave, New York, NY 10016

**Review and selection process:** Members of the Student Award Committee and J.P. Hsu Memorial Scholarship Committee will receive blind manuscripts from the Committee Chair and review them based on the following criteria:
- The manuscript should be well motivated by an application to the specific field(s);
- The methodology developed should be applicable to the motivating problem. Inclusion of an application to a practical study will be favorably considered;
- Organization and clarity of the presentation will be considered as well.

**Awards:** Up to 4 award winners will be selected by the committees. Each winner will receive an award certificate of $400, and tuition for one short course of his/her interest. Winners will be notified around April 30, 2011.
Short Courses for ICSA Applied Statistics Symposium
New York, June 26 – June 29, 2011

1. Multiple Comparisons in Clinical Trials

H.M. James Hung and Sue-Jane Wang
US Food and Drug Administration

Abstract: For regulatory applications, each clinical trial is conducted almost surely to entertain multiple objectives. As such, multiple comparisons are often performed in a clinical trial. As a clinical trial is regarded as a human experiment, an adequate control of experimentwise type I error is traditionally thought important to contain false positives. Statistical methodologies for ensuring a proper control are affluent in decades. As the clinical development program for a tested medical product is increasingly evolved, the statistical framework of inference pertaining to each clinical trial alone in relation to a family of multiple trials and to the issue of level of evidence becomes fuzzy. This short course will focus on visiting the statistical framework and paradigm of inference for multiple doses, multiple endpoints, and multiple analyses within a single clinical trial or a family of clinical trials, which may be a multi-regional clinical trial or trials. Case examples will be presented to facilitate discussion. The topics to be covered are:

1. Early phase learning trials
2. Single versus multiple confirmatory placebo-controlled trials
   Multiple endpoints
   Multiple doses
   Multiple analyses
3. Active-controlled trials
   Placebo is present
   Placebo is absent
   Non-inferiority and superiority analyses
4. Adaptive design trials
   Early phase trial
   Pivotal trial

About the Instructors

Dr. H.M. James Hung is Director of Division of Biometrics I, Office of Biostatistics, Center for Drug Evaluation and Research (CDER), U.S. Food and Drug Administration (FDA). He is an author of over 90 papers and book chapters in statistical and medical literature. His research interests include factorial design clinical trials, utility of p-value distribution, adaptive design/analysis in clinical trials, and non-inferiority trials, multi-regional clinical trials. He made major contributions to regulatory reviews of many large mortality or morbidity clinical trials in cardiovascular and renal disease areas. He has presented over 180
invited talks and short courses in his research areas. Dr. Hung received two FDA/CDER Scientific Achievement Awards, one FDA Scientific Achievement Group Award and many other awards for the recognition of his scientific contributions to the US FDA. Currently, he serves as an Editor-in-Chief for Journal of Pharmaceutical Statistics and an Associate Editor for Statistics in Medicine and Journal of Biopharmaceutical Statistics. He is a Fellow of the American Statistical Association and an elected member of the International Statistical Institute.

Dr. Sue-Jane Wang is Associate Director for Pharmacogenomics and Adaptive Design, Office of Biostatistics, Office of Translational Sciences, CDER, FDA. Dr. Wang is an author of over 90 papers and book chapters in statistical, clinical, genetic, bioinformatics, and pharmacogenomics literature. She made major contributions to regulatory reviews in these areas. As a result, Dr. Wang received two FDA Outstanding Intercenter Scientific Collaboration Awards and was recently awarded the FDA level Scientific Achievement individual Awards in recognition of her sustained record of published regulatory research in statistical design and methodology advancing complex and emerging clinical trial designs and analysis that support regulatory guidance, policies and review. She has presented over 200 invited talks, discussion, and short courses in her research areas including non-inferiority, multi-regional trials. She is an elected member of the International Statistical Institute. She has served as an Editor-in-Chief for Pharmaceutical Statistics, and is an Associate Editor for Statistics in Medicine and Statistics in Biosciences. She is conference co-chair for MCP 2011 conference.

2. Design and Analysis of Cross-over Trials

Byron Jones

_Pfizer_

This short course is to include new material that will appear in the 3rd edition of my book with Mike Kenward, due out late 2011/early 2012.

About the Instructor

Dr. Byron Jones joined Pfizer Ltd in 2004, having spent the previous four-and-half years in a similar role at GSK. Before that he was a university professor and consultant to the pharmaceutical industry. Byron is a Fellow of both the American Statistical Association and the Royal Statistical Society. He has over 100 publications in peer-reviewed journals and has co-authored four books, including “The Design and Analysis of Cross-over Trials, Second Edition”, with Michael Kenward, and “Bioequivalence and Statistics in Clinical Pharmacology”, with Scott Patterson, both of which are published by CRC Press/Chapman and Hall. Byron was a founding Editor-in-Chief of the journal Pharmaceutical Statistics and previously was the Regional Editor of the Journal of Biopharmaceutical Statistics. Byron is still active in research and retains close ties with Academia. He currently holds Honorary
Professorships at University College London and at the London School of Hygiene and Tropical Medicine. He is a member of several university advisory boards, including one at Oxford University. At Pfizer he provides statistical advice and training to colleagues all over the globe.


Tie-Hua Ng
US Food and Drug Administration

Abstract: The objective of a noninferiority (NI) trial is to show that the test treatment or the experimental treatment is not inferior to the standard therapy or the active control by a small margin known as the NI margin. This short course will elaborate the rationale of choosing the NI margin as a small fraction of the therapeutic effect of the active control as compared to placebo in testing of the NI hypothesis of the mean difference with a continuous outcome. This NI margin is closely related to $M_1$ and $M_2$, the NI margins discussed in the FDA draft guidance on NI clinical trials issued in March of 2010.

For testing the NI hypothesis of the mean ratio with a continuous outcome, a similar NI margin on a log scale may be used. This approach may also be applied in testing of the NI hypotheses for survival data based on hazard ratios as well as in the testing of the NI hypothesis with binary endpoints based on the odds ratio. An example in the thrombolytic area will be used for illustration purposes.

Unlike the superiority trials (e.g., placebo-control trials), a poorly conducted NI trial (e.g., mixing up treatment assignment) would diminish the treatment difference that may exist and hence biases in favor of the test treatment. This is the fundamental issue in the NI trials.

It is well recognized that multiplicity adjustment is not necessary in simultaneous testing for noninferiority and superiority. However, there will be more experimental treatments that are expected to have the same effect as the active control tested for superiority in simultaneous testing than would occur if only one null hypothesis is tested, thereby increasing erroneous claims of superiority. This leads to an increase in the false discovery rate for superiority.

About the Instructor

Dr. Ng received his Ph. D. Degree in Statistics in 1980 from the University of Iowa. He held several positions before joining the US Food and Drug Administration (FDA) in 1987. He left the FDA in 1990 to work for the Henry M. Jackson Foundation. In 1995, he returned to the FDA, Center for Biologics Evaluation and Research (CBER). He is currently a team leader supporting the Office of Blood Research and Review within CBER. His research interest includes equivalence/noninferiority testing and Bayesian approach.
Over the past 18 years, he had made numerous presentations at professional meetings and published extensively in the area of active controlled/noninferiority studies. More specifically, his research focused on the determination of noninferiority (NI) margin and issues of simultaneous testing of NI and superiority. He first proposed that the NI margin should be a small fraction of the therapeutic effect of the active control as compared to placebo in his 1993 paper published in the Drug Information Journal. Subsequently, two follow-up papers were published --- one in the Drug Information Journal in 2001 and other one in Statistics in Medicine in 2008. He raised the issues of simultaneous testing of NI and superiority in two of his papers published in the Journal of Biopharmaceutical Statistics in 2003 and 2007.

4. Group Sequential Methods in Clinical Trials

K. K. Gordon Lan

Johnson & Johnson Pharmaceutical Research and Development

About the Instructor

Dr. K. K. Gordon Lan is Senior Director, Johnson & Johnson PRD. He received his Ph.D. in Mathematical Statistics from Columbia University in 1974. Before joining Johnson & Johnson in 2005 as Senior Director of Statistical Science, he held positions as Mathematical Statistician at the National Heart, Lung and Blood Institute (NHLBI/NIH), Professor of Statistics at George Washington University, Distinguished Scientist at Pfizer and Statistics Fellow at Sanofi-Aventis.

Gordon has published more than 50 research papers in professional journals and has given more than 200 invited talks at universities and professional meetings. He is interested in statistical methods for clinical trial design and data analysis. Gordon was elected Fellow of the American Statistical Association in 1992 and Fellow of the Society for Clinical Trials in 2009.

5. Dose Finding Studies: Methods and Implementation

Frank Bretz and José Pinheiro

Novartis Pharma AG

Johnson & Johnson Pharmaceutical Research and Development

Abstract: Despite revolutionary advances in basic biomedical science, the number of new drug applications has been declining over the past several years. In response, different initiatives, such as the Critical Path Initiative, have been put in place to identify and propose ways to address the key drivers behind this pharmaceutical industry pipeline problem. One
well-known cause is poor dose selection for confirmatory trials resulting from inappropriate knowledge of dose response relationship (efficacy and safety) at the end of Phase II.

This course will discuss the key statistical issues leading to the problems currently observed in dose finding studies, including a review of basic multiple comparisons and modeling methods, as traditionally used in these studies. A unified strategy for designing and analyzing dose finding studies, denoted MCP-Mod, combining multiple comparison and modeling, will be the major focus of the course. It will be discussed in detail, including a step-by-step description of its practical implementation. Case studies based on real clinical trials, together with software implemented in R, will be used to illustrate the use of the methodology. A practical motivated by a real dose finding study will allow attendees to get hands-on experience with the methods and the R software.

About the Instructors

Dr. Frank Bretz received his Ph.D. in Statistics from the University of Hannover, Germany, in 1999. Afterwards, he worked for one year as biostatistician at Byk Gulden Pharmaceuticals, Konstanz, in the design and analysis of clinical trials. He then moved back to the University of Hannover as Assistant Professor. Frank finished in 2004 his post-doctoral thesis (“Habilitation”) at the Medical University of Hannover and joined in the same year the Statistical Methodology group at Novartis Parma, where is currently a Biometrical Fellow. He has supported the methodological development in various areas of drug development, including dose-finding, multiple comparisons, and adaptive designs. Since 2007 he is an Adjunct Professor at the Medical University of Hannover. Dr. Bretz is a core member of the PhRMA working group on “Adaptive Dose-Ranging Designs”. Since 2002 he is the treasurer of the German Region of the International Biometric Society. From 2004 until 2007 he was the head of the working group on “Statistical Methods in Bioinformatics” of the German Region / IBS. He is a co-developer of the multcomp software in R for multiple comparison procedures in general linear models. He has authored or co-authored more than 50 articles in peer-reviewed journals and one book.

Dr. José Pinheiro is a Senior Director in the Adaptive Designs group at Johnson & Johnson PRD. Prior to that he worked at Novartis Pharmaceuticals for eight years, most recently as a Senior Biometrical. He has been involved in the development and implementation of innovative statistical methods for early and late phase clinical trials across a wide range of therapeutic areas, such as oncology, neurosystems, cardiovascular, transplantation, respiratory diseases, and dermatology. He received his Ph.D. in Statistics from the University of Wisconsin – Madison in 1994 and did postdoctoral work for two years in the Biostatistics department at the same university. He is a past-chair of the Statistical Computing Section of ASA, having also served as chair of the Awards Committee for the same section. Since 2005, Dr. Pinheiro has served as a co-leader of the PhRMA PISC working group on Adaptive Dose Ranging Studies and participated in the PhRMA PISC working group on Adaptive Designs. He is the vice-chair of the Biostatistics and Data Management Technical Group. He was the co-chair for the 2006 ENAR meeting of the International Biometric Society, having also served as Secretary of ENAR. He is an associated editor for the Biometrical Journal, Statistics in Biopharmaceutical Research, and Statistics in Biosciences. The author of a book on and the
most widely used software in S-PLUS and R for mixed-effects models, eight book chapters, and over 50 refereed papers, Dr. Pinheiro has presented over 20 short courses and given over 80 invited presentations at conferences, government agencies, and universities around the world.

6. Strategies for Extracting Reliable Information from Megavariate Data

Dhammika Amaratunga

*Johnson & Johnson Pharmaceutical Research and Development*

**Abstract:** A spate of recent advances in genomics has significantly altered the way research is being conducted in biology and medicine. It is now possible to investigate the behavior of genes and proteins thousands at a time, a powerful resource for the biological researcher. Of the current technologies, the most prominent is the DNA microarray, which can be used to profile the expression patterns of tens of thousands of genes simultaneously. How to properly analyze and interpret the enormous amounts of data this type of technology generates remains a challenge as its high dimensional (megavariate) structure, comprising many variables but few samples, renders it vulnerable to over-fitting and over-interpretation. Development of methodology for analyzing megavariate data remains a work in progress but new techniques have been developed that are worthy of consideration. Ultimately, a multi-faceted approach is likely to be the most effective at extracting reliable information. For instance, for a standard well-designed comparative microarray experiment, a fairly rigorous prescription for determining a gene expression signature would include (1) a quality control step to settle any anomalies in the data and to ensure that the data indeed carry a signal, (2) an individual gene analysis to identify differentially expressed genes using a method that borrows strength across genes in a nonparametric way to increase efficiency, (3) an analysis of gene sets to identify affected biological processes and pathways, (4) an ensemble classification procedure to identify similarities and/or dissimilarities amongst the samples and the genes associated with any dissimilarities, (5) a procedure to integrate concomitant data to assess concurrence of findings. This course will introduce the issues underlying megavariate data analysis and will use actual case studies to review this multi-faceted approach.

**About the Instructor**

Dr. Dhammika Amaratunga is Senior Research Fellow in Nonclinical Biostatistics at Johnson & Johnson Pharmaceutical Research & Development. He has been involved in microarray data analysis since 1997, the early days of microarrays. He and his team have numerous publications, including a book, and they have also given numerous presentations and courses on this topic. He has also been actively involved in a number of professional committees, including ASA’s Committee on Award of Outstanding Application, PhRMA’s Statistics Expert Teams on Pharmacogenomics and Biomarker Qualification and is the Director for PERI’s webinar series on Statistics in Genomics. He is a Fellow of the American Statistical Association. He has a B.Sc. from the University of Colombo, Sri Lanka, and a Ph.D. in
Statistics from Princeton University, where he learnt the importance of careful exploratory data analysis while working under the supervision of John Tukey.

7. Design and Analysis of Group Sequential Trials: Recent Advances and Software

Mei-Chiung Shih and Balasubramanian Narasimhan, Stanford University, Florida State University

Abstract: Group sequential designs that have provisions for data monitoring and interim analyses are now widely used in confirmatory Phase III trials, especially those with survival endpoints. The past decade witnessed important methodological advances in the design of group sequential trials and in the primary and secondary analyses of the data following a group sequential trial. The course gives an introduction to these advances and to open-source software packages available at the Center for Innovative Study Design website at the School of Medicine at Stanford University. It also provides an overview of related chapters in the monograph Sequential Experimentation in Clinical Trials: Design and Analysis, by Jay Bartroff, Tze Leung Lai and Mei-Chiung Shih, Springer, 2011.

About the instructors:

Mei-Chiung Shih, Ph.D. (Stanford University), is Acting Associate Director for Science and Senior Biostatistician at the Department of Veterans Affairs Cooperative Studies Program Coordinating Center, at Palo Alto Health Care System, and Assistant Professor of Biostatistics, Department of Health Research and Policy, at Stanford University. She was a Research Biostatistician at Schering-Plough Research Institute and an Assistant Professor of Biostatistics at Harvard School of Public Health before joining Stanford in 2006. She has published over 40 papers in group sequential designs and inference, longitudinal data analysis, statistical genetics, and collaborative clinical research.

Balasubramanian Narasimhan, Ph.D. (Florida State University), is a Senior Research Scientist in the Department of Health Research and Policy and in the Department of Statistics at Stanford University. He has held appointments as Assistant Professor at University of Minnesota and at Pennsylvania State University before joining Stanford University in 1996. Since 1999, he has been the Director of the Data Coordinating Center in the School of Medicine. In 2008, he was appointed the caBIG deployment lead for the Stanford University Cancer Center. He is a leading expert in statistical computing, with particular emphasis on statistical tools for clinical trials and high throughput data. He has authored several R packages available on CRAN (http://cran.r-project.org) and R-forge (http://rforge.r-project.org). He is also the co-author of several widely used software packages such as Significance Analysis of Microarrays (SAM), Prediction Analysis of Microarrays (PAM) and Correlate that provide user-friendly Excel interfaces to R packages. He is the
principal developer of the design and analysis software at the Center for Innovative Study Design at Stanford University.

8. Using Replication Methods to Analyze Survey Data in SAS Software

Anthony An

SAS Institute Inc.

Abstract: Increasingly, statisticians analyze data that come from probability-based sample surveys. The SURVEYMEANS, SURVEYFREQ, SURVEYREG, SURVEYLOGISTIC, and SURVEYPHREG procedures properly analyze complex survey data by taking into account the sample design to make statistically valid inference about the study population.

Beginning in SAS 9.2, in addition to Taylor series method, these SAS procedures for survey data analysis provide replication methods, such as BRR and jackknife methods for variance estimation. They give more flexibility and power to SAS users to analyze their complex survey data.

In this short course, you will learn how to estimate variances with jackknife method, or BRR method, or Fay's BRR method in these survey procedures and how to create replicate weights. You will also learn how to estimate the variance when you provide your own replicate weights. The short course will also discuss other variance estimation issues related to replication methods.

The short course is intended for a broad audience of statisticians who are interested in analyzing sample survey data. Familiarity with basic statistics, including regression analysis, is required.

About the Instructors

Anthony An is a Senior Research Statistician in R&D at SAS Institute, and is the author of several SAS procedures for survey data analysis. He received his Ph.D. in statistics from Iowa State University. His areas of expertise include survey data analysis, nonresponse in survey sampling, and regression analysis.
## International Chinese Statistical Association

### Profit and Loss
#### July 1, 2010 to Dec. 31, 2010

**Balance, July 1, 2010**  
$105,520.03

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**Total Income**  
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**Total Miscellaneous**  
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<td>Statistica Sinica</td>
<td>$225.00</td>
</tr>
<tr>
<td>General Mailing (between ICSA officers)</td>
<td>$83.63</td>
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</table>

**Total Postage and Delivery**  
$3,348.08

<table>
<thead>
<tr>
<th>Printing and Reproduction Description</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Foremost Printing July Bulletin</td>
<td>$4,273.00</td>
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**Total Printing and Reproduction**  
$7,621.08

**Total Expense**  
$11,743.70

**Net Ordinary Income**  
5,172.04

**Other Income/Expense**  
$0.00

**Net Other Income**  
$0.00

**Net Income**  
5,172.04
International Chinese Statistical Association
Balance Sheet
July 1, 2010 through Dec. 31, 2010

<table>
<thead>
<tr>
<th>ASSETS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Checking/Savings</td>
<td></td>
</tr>
<tr>
<td>Checking</td>
<td>$60,692.07</td>
</tr>
<tr>
<td>CD</td>
<td>$50,000.00</td>
</tr>
<tr>
<td>TOTAL ASSETS</td>
<td>$110,692.07</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LIABILITIES &amp; EQUITY</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Equity</td>
<td></td>
</tr>
<tr>
<td>Opening Balance July 1, 2010 of ICSA</td>
<td>$105,520.03</td>
</tr>
<tr>
<td>July-Dec Net Income</td>
<td>$5,172.04</td>
</tr>
<tr>
<td>Total Equity</td>
<td>$110,692.07</td>
</tr>
</tbody>
</table>

| TOTAL LIABILITIES & EQUITY | $110,692.07 |

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**JOBS OPPORTUNITY**

Improving the quality of lives and developing your career
go hand in hand at Novartis in Shanghai.

Commitment is our passion and development is our tool. While growth is a journey full of challenges and opportunities, at Novartis, every challenge is an opportunity. As an employer, Novartis’ pipeline of innovative medicines is brought to life by diverse, talented, and performance-driven people around the world. It is the engagement and expertise of each Novartis employee that sustain our commitment to the people of China and beyond.

Novartis is looking for **statistical professionals** in the US who share our passion to win and who are looking to grow with Novartis in Shanghai. If you have been active in the **statistical or related field**, have relevant experience in **drug development** and have a good command of **English and Mandarin languages**, go to careers.novartis.com.cn and find out about the opportunities at Novartis China.

(No use the requisition numbers below to locate these vacancies via the ‘advanced search’ function on our career website.)

<table>
<thead>
<tr>
<th>Expert/Senior Statisticians (Requisition 571128R/609828R)</th>
<th>Senior Statistical Programmers (Requisition 572248R)</th>
<th>Team Lead (Requisition 614008R)</th>
</tr>
</thead>
</table>

keeping and curing
# International Chinese Statistical Association

## Membership Application & Renewal Form

<table>
<thead>
<tr>
<th>Name (Last)</th>
<th>(Middle)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(English)</td>
<td></td>
</tr>
<tr>
<td>(Chinese)</td>
<td></td>
</tr>
</tbody>
</table>

### Affiliation:

### Gender (optional):

### Address

<table>
<thead>
<tr>
<th>Office Address:</th>
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</tr>
</thead>
<tbody>
<tr>
<td>City:</td>
<td></td>
</tr>
<tr>
<td>State:</td>
<td>Zip Code:</td>
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<tr>
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<td>Country:</td>
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<tr>
<td>Email:</td>
<td>Telephone:</td>
</tr>
<tr>
<td></td>
<td>FAX:</td>
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</table>

<table>
<thead>
<tr>
<th>Home Address:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>City:</td>
<td></td>
</tr>
<tr>
<td>State:</td>
<td>Zip Code:</td>
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<tr>
<td>Email:</td>
<td>Telephone:</td>
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<tr>
<td></td>
<td>FAX:</td>
</tr>
</tbody>
</table>

### Education

<table>
<thead>
<tr>
<th>Degree:</th>
<th>Year Graduated:</th>
</tr>
</thead>
<tbody>
<tr>
<td>University:</td>
<td></td>
</tr>
</tbody>
</table>

### Professional Occupation & Title

<table>
<thead>
<tr>
<th>Occupation:</th>
<th>Title:</th>
</tr>
</thead>
</table>

### Membership Fees

- Regular: (US$40)
- Student: (US$10)
- Permanent: (US$600)
- Spouse: (50%)

<table>
<thead>
<tr>
<th>Total Amount Paid:</th>
<th>US$</th>
</tr>
</thead>
</table>

### Statistical Area of Interest (circle all applicable):

- A: Agriculture
- B: Business / Economics
- C: Computing / Graphics
- D: Education
- E: Engineering
- F: Health Sciences
- G: Probability
- H: Social Sciences
- I: Biostatistics
- N: Theory & Methodology

### Please Make Check Payable to: I.C.S.A. Mail This Form & Fees to:

**ICSA c/o Shu-Yen Ho, GSK, 5 Moore Drive, PO Box 13398, Research Triangle Park, NC, 27709-3398, USA**
Submission Guidelines for ICSA Bulletin

Articles

The International Chinese Statistical Association (ICSA) Bulletin welcomes the submission of articles by our members. Articles submitted should be written in English. The contents should be aimed at the general reading.

Articles should be submitted electronically in Microsoft Word documents. Files with Times New Roman font size of 12 points are preferred. Leave ¾ inches of blank space on each margin in regular or letter size pages (8.5 inches in width by 11 inches in height). If photo pictures are included in the articles, the corresponding JPEG files (with extension JPG or JPEG) must be attached.

Submission deadlines are December 30 for the January issue, and June 15 for the July issue. Articles received after the deadline will be published in the following issue of Bulletin.

Reports or Announcements

The submission guidelines of reports or announcements are the same as the articles. Editable files in Microsoft Word are preferred. If needed, EXCEL may be used. If PDF files are sent, be sure that the margins or fonts are met as required in the Articles.

Advertisements

The ICSA Bulletin welcomes the submission of advertisements related to the profession of Statistics. The fee charge is $225 for a half page, $325 for a full page, $350 for a color page (in front-inside, bottom-inside, or bottom-outside pages). If it is a color page, the corresponding PDF file for printing use must be sent. If you have questions or advertisement opportunities, please contact the Advertising Manager or Editor-in-Chief.

Questions

Please submit your questions to the Editor-in-Chief by email: fangyu@unmc.edu.