

方开泰个人简历

2012.9.28

工作单位: 北京师范大学-香港浸会大学联合国际学院
当前职位: 教授, 统计与智能计算研究所所长
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被选会员: 国际统计协会 (ISI), 1985–2009
被选院士: 数理统计研究院(IMS), 1992–
美国统计协会(ASA), 2001–

荣誉职位: 香港浸会大学荣休教授, 2006–

I. 教育背景:

江苏省扬州中学	1951–1957
北京大学数学与力学系	1957–1963
中国科学院数学所研究生	1963–1967

II. 学术经历:

学术职称:

- 研究实习员, 1967–1978, 中国科学院数学所.
- 助理研究员, 1978–1979, 中国科学院数学所.
- 助理研究员, 1979–1980.10, 中国科学院应用数学所.
- 副研究员, 1980.10–1986.7, 中国科学院应用数学所.
- 中华人民共和国国务院学位委员会认可博士生导师, 1984–
- 研究员, 1986.6–, 中国科学院应用数学所.
- 教授(Reader), 香港浸会大学数学系, 1991.9–1993.3
- 中华人民共和国国务院获准发政府特殊津贴, 1993–
- 讲座教授, 香港浸会大学数学系, 1993.4–2006.1.
- 荣休教授, 香港浸会大学, 2006–
- 教授, 北京师范大学-香港浸会大学联合国际学院, 2006.1–
- 研究员, 中国科学院随机复杂结构与数据科学重点实验室, 2008.10–

行政职位:

- 副所长, 中国科学院应用数学所, 1984.3–1992.
- 主任, 香港浸会大学统计研究与咨询中心, 1992–2005.
- 系主任, 香港浸会大学数学系, 2003–2005.
- 主任, 北京师范大学-香港浸会大学联合国际学院统计部门, 2005.9–
- 所长, 北京师范大学-香港浸会大学联合国际学院统计与智能计算研究所, 2006.4–
- 主席, 北京师范大学-香港浸会大学联合国际学院奖学金和助学金委员会, 2006–2009.
- 主席, 联合国际学院研究协调委员会, 2009–2010.

学术访问:

- 访问学者, 美国耶鲁大学, 1980年10月–1981年6月.
- 访问学者, 美国斯坦福大学, 1981年6月–1982年10月.
- 客座教授, 1985年10月–March 1986年3月, Swiss Federal Institute of Technology (瑞士联邦理工大学).
- 访问教授, 1987年9月–1987年10月, 香港中文大学.
- 访问教授, 1988年1月–1988年6月, The University of North Carolina at Chapel Hill (北卡罗莱纳大学, 教堂山).
- 访问教授, 1988年6月–1988年7月, University of California, Los Angeles (加州大学洛杉矶分校).
- 访问教授, 2000年6月–2000年7月, 悉尼新南威尔士大学.

学术服务:

- 中日统计研讨会, 中方组织委员会委员, 1984, 北京。
- 中日统计研讨会, 中方组织委员会委员, 1986, 日本福冈。
- 中美国统计研讨会, 中方组织委员会副主席, 1987, 北京。
- 中日统计研讨会, 中方组织委员会委员, 1989, 日本东京。
- 中日统计研讨会, 中方组织委员会委员, 1994, 日本冈山。
- 数理统计学院会议(IMS Meeting), 专题报告“Multivariate Analysis under Non-normal Population”分组的组织者, 1988, 美国科罗拉多。
- 亚洲数学家大会, 中国代表团副团长, 1990.8, 香港。
- 首届泛华统计协会研讨会“The First Conference On Recent Developments in Statistics Research”, 组织者, 1990.12, 香港。
- 国际多元统计分析及其应用研讨会(International Symposium on Multivariate Analysis and Its Applications), 组织委员会主席, 1992, 香港。
- 国际伪蒙特卡洛方法及其应用研讨会(International Workshop on Quasi-Monte Carlo Methods and Their Applications), 组织者, 1995, 香港。
- 国际多元统计分析及其应用研讨会(1997 International Symposium on Contemporary Multivariate Analysis and Its Applications), 主席, 1997, 香港。

- 均匀设计理论及其应用研讨会(1999 Symposium on Theory of uniform Design and Its Applications), 主席, 1999.10, 香港。
- 第四届在科学计算中蒙特卡洛和伪蒙特卡洛方法国际会议(The 4th Monte Carlo and Quasi-Monte Carlo Conference in Scientific Computing), 主席, 2000, 香港。
- 第五届泛华统计协会研讨会, 组织委员会委员, 2000.8, 香港。
- 第五届国际优化技术及其应用研讨会(The 5th International Conference on Optimization Techniques and Applications), 组织委员会委员, 2001.12, 香港。
- 第五届在科学计算中蒙特卡洛和伪蒙特卡洛方法国际会议(The 5th International Conference on Monte Carlo and Quasi-Monte Carlo Methods in Scientific Computing), 组织委员会委员, 2002.11, 新加坡。
- 应用统计、保险精算和金融数学国际会议(International Conference on Applied Statistics, Actuarial Science and Financial Mathematics), 组织委员会委员, 2002.12, 香港。
- 2003 均匀设计理论及其应用研讨会(2003 Symposium on The Uniform Experimental Design and its applications), 主席, 2003.12, 深圳。
- 第六届泛华统计协会研讨会(The 6th ICSA International Conference), 名誉顾问, 2003.7, 新加坡。
- 亚洲化学计量学和生物计量学国际会议(International Conference on Chemometrics and Biometrics in Asia), 组织委员会委员, 2003.10. 上海。
- 华人数学家大会(The International Congress of Chinese Mathematicians (ICCM)), 组织委员会委员, 2004, 香港。
- 应用数学和统计学国际工作坊(International Workshop on Applied Mathematics and Statistics), 主席, 2004.12, 香港。
- 统计理论、实践、教育未来的国际会议(International Conference on the Future of Statistical Theory, Practice and Education), 国际顾问委员会委员, 2004.12-2005.1, 印度海得拉巴。
- 2005 均匀设计理论及其应用国际研讨会, 组织委员会委员, 2005.8, 湖南集首。
- 实验设计国际会议:理论及其应用(International Conference on Design of Experiments: Theory and Applications), 国际顾问委员会委员, 2005.5, 美国孟菲斯。
- 统计学在技术的年代国际会议(The International Committee, International Conference: Statistics in the Technological Age), 国际组织委员会委员, 2005.12, 马来西亚吉隆坡。

学术访问并报告:

- 安徽大学, 2001年十月.
- 北京工业大学, 1999年五月, 2002年五月.
- 英国剑桥大学, 1986年三月.
- 华中师范大学, 2001年四月, 2002年十一月, 2006年四月, 2008年六月.
- 中南大学, 长沙, 2004年十月.
- 荷兰数学与计算机科学中心 (Centrum voor Wiskunde Infomatica) , 1986年二月.
- 香港中文大学, 1987年十月, 1996年十月, 2000年二月.
- 香港城市大学, 1993年四月.
- 美国哥伦比亚大学, 1982年九月.
- 华东师范大学, 1996年七月, 2000年十月, 2001年十月, 2008年六月.

- 美国底特律市, 福特汽车公司, 2002年七月、八月, 2003年六月、七月.
- 美国乔治亚技术大学, 1988年二月.
- 美国乔治亚州立大学, 1988年二月.
- 美国乔治·华盛顿大学, 1982年九月.
- 广州商学院, 2009年五月.
- 广州大学, 2010年三月.
- 哈尔滨工业大学, 深圳研究生院, 2008年四月.
- 合肥理工大学, 2001年十月, 2003年九月.
- 香港理工大学, 1990年十月, 年一月.
- 香港统计学会, 1991年三月.
- 香港科技大学, 1992年三月.
- 英国伦敦帝国学院, 1986年三月.
- 中国科学院应用数学研究所, 2009年九月.
- 中国科学院系统科学研究所, 1983年三月, 1994年十一月.
- 嘉兴学院, 2004年十月.
- 吉林大学, 2002年六月.
- 日本九州大学, 1986年十一月.
- 英国伦敦经济学院, 2004年六月.
- 瑞典Lund大学, 2001年六月.
- 美国马里兰大学, 1982年九月, 1988年三月, 2000年五月.
- 南开大学, 1987年九月.
- 台湾国立成功大学, 2002年十一月.
- 台湾国立中山大学, 2002年十一月.
- 国立新加坡大学, 2003年十二月.
- 英国曼彻斯特大学, 2004年六月.
- 东北师范大学, 2002年六月.
- 日本大阪大学, 1986年十一月.
- 英国牛津大学, 1986年三月.
- 北京大学, 1984年九月, 1994年十一月, 2000年十二月.
- 美国普林斯顿大学, 1982年三月.
- 美国拉特格斯学, 1982年三月.
- 韩国国立首尔大学, 2002年九月.
- 上海师范大学, 2008年六月.
- 四川大学, 2005年五月, 2006年七月.
- 加拿大西蒙弗雷泽大学, 1982年十月.
- 美国南卡罗莱纳州立首尔大学, 1988年二月.
- 华南师范大学, May 2009.
- 苏州大学, 1986年五月and 2001年十月.
- 圣裘德儿童研究医院, 曼菲斯, 2001年七月.
- 美国斯坦福大学, 1981年六月-1982年十月, 1988年七月, 2010年八月.
- 纽约州立大学水牛城分校, 1988年五月.
- 台湾淡江大学, 2003年十二月.

- 中山大学, 广州, 1986年四月, 1992年六月, 2011年四月.
- 芬兰坦佩雷大学, 1994年八月-九月, 1999年八月.
- 美国乔治华盛顿大学, 1982年九月.
- 上海同济大学, 2004年十月.
- 北京清华大学, 2001年四月, 2002年五月.
- 德国奥格斯堡大学, 2004年七月.
- 瑞士伯尔尼大学, 1986年一月.
- 美国芝加哥大学, 1988年五月.
- 英国伦敦大学学院, 1986年三月.
- 德国埃儿福特大学, 2004年六月-七月.
- 美国佛罗里达大学, 盖恩斯维尔, 1988年五月.
- 香港大学, 1986, 1990, 1994 and 1997.
- 英国曼彻斯特大学, 2004年六月.
- 美国北卡罗来纳大学教堂山分校, 1998年一月-六月, 2000年五月.
- 美国北卡罗来纳州立大学夏洛特分校, 1995年五月.
- 美国宾夕法尼亚大学, 1982年九月, 1988年三月.
- 英国谢菲尔德大学, June 2004.
- 加拿大滑铁卢大学, 1988年五月.
- 美国威斯康星大学麦迪逊分校, 1988年五月.
- 瑞典乌普萨拉大学, 1994年九月, 1999年七月-八月, 2001年六月.
- 新西兰惠灵顿维多利亚大学, 2010年十一月-十二月.
- 武汉大学, 1993年十二月, 2001年四月, 2002年十一月.
- 西安统计学院, 1988年十月, 2001年五月.
- 西安财经学院, 2008年五月, 2011年五月.宾夕法尼亚
- 湘潭大学, 2006年四月
- 美国耶鲁大学, 1982年九月.
- 江苏仪征化纤厂, 1994年十一月.
- 加拿大约克大学, 1996年七月.
- 中南财经政法大学, 2001年四月, 2002年十一月.

III. 学会会员和理事:

- 中国概率统计学会, 秘书长, 1982.10-1984.10.
- 中国概率统计学会, 常务理事, 1982-1990.
- 国际统计协会(ISI), 被选会员, 1985-2009.
- 中国数学学会, 常务理事, 副秘书长, 1988-1992.
- 中国统计方法应用标准化委员会, 委员, 第六分委员会主任, 1983-1990.
- 多元统计分析专业委员会主任, 1980-
- 中国数学地质专业委员会委员, 1978-1985.
- 国际数学地质协会, 理事, 1981-1985.
- 美国数理统计学院(IMS), 终身会员, 1988-, 被选院士, 1992-

- 泛华统计协会, 终身会员, 1988-.
- 泛华统计协会, 理事, 1990-1994.
- 中国数学学会, 均匀设计分会理事长, 1993-2003.
- 中国数学学会, 均匀设计分会名誉理事长, 1993-2011.
- 香港科学会, 理事, 1994-1998.
- 国际统计协会(ISI), 常务理事, 1995-1999.
- 香港数学学会, 常务理事, 1994-1996..
- 香港数学学会, 会员, 1990-.
- 东南亚数学会, 会员, 1990-.
- 香港统计学会, 会员, 1991-, 荣誉会员, 2002-。
- 美国统计协会(ASA), 会员, 1993-, 被选院士, 2001-
- 美国数理统计学院(IMS) 院士遴选委员会委员, 2007-2009.
- 安徽省现场统计学会名誉理事长, 2001-2004。
- 中国现场统计研究会试验设计分会, 名誉理事长, 2010-2014。

IV. 期刊及丛书编辑:

下述期刊编辑:

- 应用数学学报, 副主编, 1985-1992, 编委, 1992-.
- 应用概率统计, 1985-1990。
- 数学的研究与评论, 1986-
- 东北数学, 1985-
- 经济数学, 1984-
- 数理统计与应用概率, 1986-
- Statistics & Probability Letters, 1988-2005.
- Statistica Sinica, 1993-1999, 2005-2012.
- Journal of Multivariate Analysis, 2002-2007.
- 统计与信息论坛, 2009-
- International Statistical Review, 2009-2010

下述系列丛书主编:

- 现代应用数学方法丛书, 科学出版社, 1990-2004
- 高等教育现代统计学系列教材, 高等教育出版社, 2010-

V. 研究领域:

多元统计分析

试验设计和建型

统计分布理论

在统计学中的数论方法

数据采矿和其在中医药的研究

VI. 资助基金:

1. 项目组长, “Some applications of number-theoretic method in optimization and statistics”, FRG/90-91/Gen-053 (II-02), 香港浸会大学研究基金。
2. 项目组长, “Number theoretic methods for statistics and applications, RGC/91-92/04, 香港政府基金。
3. 项目组长, “Applied statistics and neural network for stock market analysis”, FRG/93-94/II-05, 香港浸会大学研究基金。
4. 项目组成员, “The Hong Kong transition project”, RGC/93-94/08, 香港政府基金。
5. 项目组长, “Some problems in non-normal and non-linear multivariate statistics”, RGC/94-95/38, 香港政府基金。
6. 项目组长, “Generalized regression model and generalized quadratic forms”, 香港浸会大学研究基金。
7. 项目组成员, “Quasi-Monte Carlo for scientific computing”, FRG/95-96/II-01, 香港浸会大学研究基金。
8. 项目组长, “Non-central distribution and powers of some new multivariate tests”, FRG/96-97/II-15, 香港浸会大学研究基金。
9. 项目组长, “Data base in statistical analysis and software for the uniform design”, TDG/9697/I/3, HK\$82,496.
10. 项目组长, “The Robustness and Efficiency of experimental designs for complex systems”, RGC/97-98/47, 香港政府基金。
11. 项目组长, “Construction of multivariate distributions with nonlinear dependence”, FRG/97-98/II-90, 香港浸会大学研究基金。
12. 项目组长, “Multimedia Notes and Related Software for the Uniform Design”, TDG/9899/II/4, 香港浸会大学教育基金。
13. 项目组长, “Statistical Inferences and experimental designs for Coordinate Measure Machine”, FRG/98-99/II-81, 香港浸会大学研究基金。
14. 项目组长, “Connection Among Orthogonal, Optimal and Uniform designs”, HKBU RC/98-99/Gen-370, 香港政府基金。
15. 项目组长, “Some aspects in the uniform design of computer experiments”, FRG/00-01/II-25, 香港浸会大学研究基金。
16. 项目组长, “The usefulness of uniformity in experimental designs and construction of uniform designs with large size”, RGC/HKBU 2044/02P, 香港政府基金。
17. 项目组长, “Repeatability and reproducibility for a standard test method by inter-laboratory tests for fingerprints of traditional Chinese medicines”, FRG/02-03/II-62, 香港浸会大学研究基金。
18. 项目组长, “Efficient generation of low discrepancy point sets and their applications in experimental design and time series simulation”, GER/JRS/03-04/01, 德国香港合作研究基金。

19. 项目组长, “Applications of majorization to factorial, supersaturated and uniform designs”, FRG/03-04/II-711, 香港浸会大学研究基金。
20. 项目组长, “Majorization Framework For Factorial, Supersaturated And Uniform Designs”, RGC/HKBU 200804, 香港政府基金。

VII. 学术奖励:

1. 均匀试验设计, 中国科学院科技进步三等奖, 1980。
2. 中国成年人服装标准, 中华人民共和国轻工业部特别奖, 完成了国标 服装号型系列产品 GB-1355-81, 1982。
3. 中国成年人头型系列标准, 北京市人民政府科学技术成果三等奖, 1980。
4. 占有问题的分布, 中国科学院科技进步二等奖, 1984。
5. 测试方法的精密度, 完成了国标 GB/T6379, 中华人民共和国国家技术监督局, 科技进步二等奖, 1988。
6. 毁伤概率分布的研究, 中科院科技进步二等奖, 1989。
7. 《统计分布》获得中华人民共和国国家统计局优秀统计教材奖, 1992。
8. 《广义多元分析》英文版《Generalized Multivariate Analysis》获中华人民共和国新闻署, 全国优秀图书特别奖, 1992。
9. 毁伤效果预测及大威力武器瞄准决策, 中国人民解放军科技进步一等奖, 1992。
10. 方开泰的出版物在1998年中国科技引用率数据库名义列表第九。
11. 香港浸会大学校长颁发杰出学者奖, 2001。
12. 香港统计学会荣誉会员, 2002。
13. 科学出版社优秀作者奖, 2004。
14. 《均匀设计理论、方法及其应用》项目获, 2008 国家自然科学二等奖。
15. 2012 珠海市先进教师。
16. 2012 广东省南粤优秀教师。

VIII. 客座教授:

- 山东海洋大学, 1984-1986。
- 苏州大学, 1985-1987。
- 南开大学, 1985-1987。
- Swiss Federal Institute of Technology, Oct. 1985-March 1986。
- 东南大学, 1986-1989。
- 中山大学, 1992-1995。
- 烟台大学, 1994-1997。
- 华中师范大学, 1998-2001。
- 四川大学, 2001-2003。
- 西安统计学院, 2001-2004。
- 武汉大学, 2002-2004。

- 合肥工业大学, 2003–2005.
- 东北师范大学, 2003–2005.
- 北京大学, 2003–2005.
- 中南大学, 2004 - 2009.
- 西安财经学院, 2008–2011.
- 中南财经政法大学, 2002–2004.
- Distinguished Research Professor, Illinois Institute of Technology, USA, 2005–2008.
- 中国科学院随机复杂结构与数据科学重点实验室, 2008–
- 广东商学院, 2009–2011.
- 海南师范大学, 2009–

PUBLICATIONS

方开泰

出版书籍:

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255. 方开泰(1976), 运用条件分布的理论制定服装国家标准, 应用数学学报, **2**, 62-74.
256. 方开泰, 董泽清, 韩业(1965), 平稳无后效流的结构, 应用数学和计算数学学报, **2**, 84-90.

科学普及和综合评论:

1. 方开泰(2010), 第十三章, 试验设计和建模, 刊在《现代统计研究基础》, 王启华, 史宁中, 耿直主编, 科学出版社, 北京。
2. 方开泰(2004), 均匀试验设计的理论、方法和应用——历史回顾, 数理统计与管理, **23**, 69-80.
3. 方开泰, 马长兴, 李久坤(1999), 正交设计的最新发展和应用-回归分析在正交设计的应用, 数理统计与管理, **19**(2), 44-49.
4. 方开泰, 马长兴, 李久坤(1999), 正交设计的最新发展和应用(II)—均匀正交设计, 数理统计与管理, **19**(3), 43-52.
5. 方开泰, 马长兴, 李久坤(1999), 正交设计的最新发展和应用(III)正交设计的D-最优性, 数理统计与管理, **19**(4), 43-52.
6. 方开泰, 马长兴, 李久坤(1999), 正交设计的最新发展和应用(IV)—正交设计的投影性质数理统计与管理, **19**(5), 35-43.
7. 方开泰(1994), 均匀设计1-2, 战术导弹技术, No.1, 54-65.
8. 方开泰(1994), 均匀设计3-4, 战术导弹技术, No. 2, 56-69.
9. 方开泰(1994), 均匀设计及其应用(IV), 数理统计与管理, **13**(4), 54-56.
10. 方开泰(1994), 均匀设计及其应用(III), 数理统计与管理, **13**(3), 52-65.
11. 方开泰(1994), 均匀设计及其应用(II), 数理统计与管理, **13**(2), 59-61.
12. 方开泰(1994), 均匀设计及其应用, 数理统计与管理, **13**(1), 56-63.
13. 方开泰, 范剑青, 全辉, 项静恬(1989), 方向数据的统计分析(I), 数理统计与管理, **8**(1), 59-61.
14. 方开泰, 范剑青, 全辉, 项静恬(1989), 方向数据的统计分析(II), 数理统计与管理, **8**(2), 58-65.
15. 方开泰, 范剑青, 全辉, 项静恬(1989), 方向数据的统计分析(III), 数理统计与管理, **8**(3), 57-64.
16. 方开泰, 范剑青, 全辉, 项静恬(1989), 方向数据的统计分析(IV), 数理统计与管理, **8**(4), 56-65.
17. 方开泰, 范剑青, 全辉, 项静恬(1989), 方向数据的统计分析(V), 数理统计与管理, **8**(5), 56-64.
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19. 方开泰, 范剑青, 全辉, 项静恬(1990), 方向数据的统计分析(VII), 数理统计与管理, **9**(1), 56-64.
20. 方开泰, 范剑青, 全辉, 项静恬(1990), 方向数据的统计分析(VIII), 数理统计与管理, **9**(2), 59-65.
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22. 方开泰(1984), 统计学讲座系列, 第一讲数据的初步整理, 水土保持, No.8, 54-58, 中国水土保持学会.
23. 方开泰(1984), 统计学讲座系列, 第二讲统计检验, 水土保持, No.9, 53-56., 中国水土保持学会.
24. 方开泰(1984), 统计学讲座系列, 方差分析, 水土保持, No.10, 53-57, 中国水土保持学会.

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26. 方开泰(1984), 优势理论及其应用, 应用数学和数学计算, No.5, 75-86.
27. 方开泰(1984), 有限差算子的一些应用, 应用数学和数学计算, No. 4, 22-32.
28. 方开泰(1981), 多变量样本的图分析法(一), 数学的实践与认识, (No.3) 63-71。
29. 方开泰(1981), 多变量样本的图分析法(二), 数学的实践与认识, (No.4) 42-48。
30. 方开泰(1980), 聚类分析及其应用, 数学地质特刊(I), 12-23, 地质出版社, 北京。
31. 方开泰(1980), 在质量控制中工序能力指数 C_p , 标准化通讯, No.1, 10-17.
32. 方开泰(1979), 质量控制, 标准化通讯, No.2, 19-30.
33. 方开泰(1978), 数理统计和标准化(II), 标准化通讯, No.2, 13-22.
34. 方开泰(1978), 数理统计和标准化(IV), 标准化通讯, No.3, 13-20.
35. 方开泰(1978), 数理统计和标准化(V), 标准化通讯, No.4, 12-22.
36. 方开泰(1978), 数理统计和标准化(VI), 标准化通讯, No.4, 23-30.
37. 方开泰(1978), 聚类分析(I), 数学的实践与认识, 4, No.1, 66-80.
38. 方开泰(1978), 聚类分析(II), 数学的实践与认识, 4, No.2, 54-62.
39. 轻工业部二局服装标准组, 中国科学院数学研究所统计组(1977), 运用“条件分布的理论”制定全国服装统一号型标准, 标准化通讯, No 4, 9-19. (方开泰笔)
40. 方开泰, 刘璋温(1976), 如何使用概率纸(I), 数学的实践与认识, No.3, 49-55.
41. 方开泰, 刘璋温(1976), 如何使用概率纸(II), 数学的实践与认识, No.4, 55-61.
42. 方开泰, 刘璋温(1976), 极差在方差分析中的应用, 数学的实践与认识, No.1, 37-51.
43. 方开泰, 刘卓雄(以集体名义) (1974), 正交试验设计, 有色金属, No.8, 39-56.
44. 方开泰(以集体名义) (1972), 统计在维尼纶生产中的应用, 数学的实践与认识, No. 6.
45. 方开泰(以集体名义) (1972), 介绍几种简易的数理统计方法, 数学的实践与认识, 5, 58-66.

Invited/Keynote Speaker in International Conference:

1. Remarks on The Discrepancy in Experimental Designs with Yongdao Zhou, *The Eighth ICSA International Conference*, November 22, 2010, Guangzhou.
2. A Challenge Research Direction in Biostatistics - Chinese Medicine, One of three Plenary Talks in *First Joint Biostatistics Symposium*, 17-18 July, Beijing.
3. 隆重纪念我国现代概率论和数理统计学之父许宝騄先生诞辰一百周年, 隆重纪念许宝騄先生诞辰一百周年座谈会, 九月一日, 北京大学。
4. What I learnt from P.L. Hsu, an Invited talk in *Probability and Statistics: an international conference in honor of Professor P.L. Hsu's 100th birthday*, 5-7 July, 2010, Beijing.
5. Additive Logistic Elliptical Distributions, as an Invited talk in *The 9th International Workshop on Matrices and Statistics*, 5-8 June, 2010, Shanghai, China.
6. Statistics simulation on a geometric probability problem, *2009 Symposium on Experimental Design*, 17-19 July, 2009, Guangzhou, China.
7. A note on statistics simulation on a geometric probability problem, *The 10th Symposium on The Uniform Design, and 2009 Xi'an Symposium on Applied Statistics*, 13-17 July, 2009, Xian, China
8. Multivariate analysis and its development, an invited talk in *Recent Developments in Statistics and Their Applications In Memory of Professor Yao-Ting Zhang*, 20-22 June, 2008, Wuhan, China.

9. Recent development in the uniform experimental design, a Plenary Talk in *2006 International Conference on Design of Experiments and Its Applications*, July 9-13, 2006, Nankai University, Tianjin, China.
10. Balance and uniformity, a Plenary Talk in *International Statistics Conference: Statistics in the Technological Age*, 27-31 December, 2005, Kuala Lumpur.
11. Modeling Techniques in the uniform design, in *2005 International Symposium on the Uniform Experimental Design*, 19-23 August, Jizhou, Hunan Province, China.
12. Uniform Design and its Recent development, a special invited lecture, in *The joint Meeting of Chinese Society of Probability and Statistics and the Institute of Mathematical Statistics*, July 9 - 12, 2005, Beijing.
13. Recent Development in the uniform experimental design, a keynote speech in *International Symposium on Frontier Problems in Statistics*, July 6-8, 2005, Beijing.
14. Uniform design in computer and physical experiments, a keynote speech in *International Workshop on The Grammar of Technology Development*, January 17-18, 2005, Tokyo, Japan.
15. Multivariate analysis in chemistry, in *International Conference on the Future of Statistical Theory, Practice and Education*, December 29, 2004 - January 1, 2005, Hyderabad, India.
16. Physical experiments with model unknown, in *International Conference on the Future of Statistical Theory, Practice and Education*, December 29, 2004 - January 1, 2005, Hyderabad, India.
17. Number-theoretic methods in experimental designs, forty-five-minute talk in *The third International Congress of Chinese Mathematicians*, December 17-20, Hong Kong.
18. Discrepancy in experimental designs, in *International Workshop on Applied Mathematics and Statistics*, December 16, 2004, Hong Kong.
19. Accuracy and similarity of fingerprints, in *The International Conference on Chemometrics and Bioinformatics in Asia (CCBA2004)*, 16-20 October, 2004, Shanghai.
20. Lower bounds of wrap-around and centered L_2 -discrepancies and construction of uniform designs, *International Conference on Design of Experiments*, July 25-28, 2004, Beijing.
21. Data Science: multivariate analysis and data mining and applications, as a keynote speaker in *International Conference on Random Walks, Sequential Analysis and Related Topics*, 18-19 July 2004, Shanghai.
22. Applications of majorization theory in experimental design, *2003 Experimental Design Workshop in Taipei*, December 22-24, 2003, Taipei.
23. Uniform experimental design and its applications to industry and computer experiments, *International Conference on Recent Developments in Theoretical and Applied Statistics*, Tamsui, Taiwan, **Keynote Speech**, December 15-16, 2003.
24. A review on: theory, method and applications of the uniform design, *2003 Symposium on The Uniform Experimental Design*, 2-5 December, 2003, Shenzhen.
25. Recent development of theory of the uniform design and its applications, a 45 minute talk in *The Ninth Annual Meeting of The Chinese Society of China*, 30 October - 2 November, 2003, Wuhan.
26. The uniform experimental design in the twenty first centenary, *Management Forum on The Six Sigma in Anhui Province*, **Keynote Speech**, 29-30 September, 2003, Hefei, Anhui, China.
27. An introduction to the uniform design for industrial experiments with model unknown, Lecture invited by the Hong Kong Society of Quality, 29 August, 2003.
28. Statistical models for space filling designs and optimalities of uniform designs, *The 5th International Conference on MCQMC*, Singapore, November 25-28, 2002.

29. Data Mining in Chinese Medicine and Chemistry, Taipei Data Mining Conference 2002, **Keynote Speech**, November 15, 2002.
30. Experimental designs when model is unknown, The 2002 Taipei International Statistical Symposium and Bernoulli Society EAPR Conference, Taipei, July 7-10, 2002.
31. Experimental designs for computer experiments and for industrial experiments with model unknown, a Keynote speech, at the 2002 The Korean Statistical Association Conference, Daejeon, Korea, May 24, 2002 (Keynote Speaker).
32. Applications of uniform design in industry and computer experiments, The 6th Conference of Chinese Association of Applied Statistics, Hefei, Anhui, China, October 12-15, 2001.
33. Uniform design for simulation experiments, *The 50th Gordon Research Conference: the Statistics in Chemistry & Chemical Engineering*, July 22-27, 2001, in Williams College, Massachusetts, U.S.A. with one hour and forty minutes discussion.
34. Aspects of copula analysis for construction of multivariate distributions for given marginals, *International Conference Celebrating 80th Birthday of Professor C.R.Rao*, organized by Indian Statistical Institute, December 29 - 31 2000.
35. Optimal supersaturated design of mixed levels, *Fourth International Triennial Calcutta Symposium on Probability and Statistics*, December 28 - 28 2000 in Calcutta, an invited talk in "R.C. Bose Memorial Session".
36. Applications of Quasi-Monte Carlo methods in statistics, *The Fourth Conference on Monte Carlo and Quasi-Monte Carlo Methods in Scientific Computing*, November 27- December 1, 2000.
37. Connections and comparisons between uniform design and orthogonal design, *Symposium on Theory of Uniform Design and Its Applications*, October 26-29, 1999.
38. Centered L_2 -discrepancy of random sampling and Latin hypercube design, and construction of uniform design, *Workshop on the Complexity of Multivariate Problems*, October 4-8, 1999, Hong Kong.
39. The Usefulness of uniformity in Experimental Design" at *The 6th Tartu Conference on Multivariate Statistics*, August 19-23, 1999, Tartu, Estonia.
40. Multivariate Analysis in Large Number of Variables, half day invited lecture in *Statistical methods for Image Processing*, August 6-9, 1999, Uppsala, Sweden
41. Orthogonality and D -optimality, 1998 Taipei International Statistical Symposium, August 1998, Taipei.
42. The usefulness of uniformity over the domain in experimental design, *Experimental Design Workshop*, May 1997, Hong Kong.
43. Bayesian statistical inference on elliptical matrix distributions, *1997 International Symposium on Contemporary Multivariate Analysis and Its Applications*, May 1997, Hong Kong.
44. Some global optimization algorithms in statistics, *Operations Research and Its Applications, Second International Symposium, ISORA'96*, December 1996, Guilin, China.
45. Number-theoretic methods in multivariate statistical tests, *1996 Joint Statistical Meeting, American Statistical Association*, August 1996, Chicago, U. S. A.
46. Multivariate analysis and its applications in elliptically contoured distributions, *Annual Meeting of the German Region of the International Biometric Society*, **Keynote Speech**, March 1996 Magdeburg, Germany.

47. The uniform design and its recent development (with F. J. Hickernell, *Workshop on Quasi-Monte Carlo Methods and Their Applications*, Dec. 1995 Hong Kong Baptist University, Hong Kong.
48. The uniform design and its applications (with F. J. Hickernell), *The 50th Session of International Statistical Institute (ISI)*, August 1995 Beijing, China.
49. A projection NT-type test for spherical symmetry of a Multivariate distribution (with Zhu, L. X. and Zhang, J. T.), *International Conference on Multivariate Analysis*, 1994, Tartu, Estonia.
50. A brief review of L_1 -norm distributions (with Kotz, S. and Ng, K.W.), *The Second International Conference on Statistical and Applications* August 1992, Neuchatel, Switzerland.
51. Applications of number-theoretic methods in multivariate analysis (with Wang, Y. and Bentler, P.M.), *The International Symposium on Multivariate Analysis and Its Applications*, March 1992, Hong Kong.
52. On Hall's methods for projection pursuit regression (with Zhu, L.X.) *The Order Statistics and Nonparametrics: Theory and Applications* December 1991, Alexandria.
53. Quantizers and Representative Points of Elliptically Contoured Distributions (with Yuan, K.H. and Bentler, P.M.), *The First Conference On Recent Developments in Statistical Research*, December 1990, Hong Kong.
54. Applications of Quasi random Sequence in Statistics (with Wang Yuan), *The Asian Mathematical Conference*, August, 1990, Hong Kong.

Contributed Speaker at International Conference:

1. Fang, K.T. (2005), Lower bounds of various criteria in experimental designs, *International Conference on Design of Experiments :Theory and Applications*, May 13 - 15, 2005, Memphis.
2. Fang, K.T. (2002), Theory and method of the uniform designs, *Eighth ISSAT International Conference Reliability and Quality in Design*, August 7-9, 2002, Anaheim, California, USA
3. Fang, K.T. (2000), The uniformity – a useful criterion in experimental design, *First Midwest Conference for New Directions in Experimental Design*, May 2000, Columbus, Ohio.
4. Fang, K.T. (2001), Construction of uniform designs and Latin hypercube designs, in *The 5th ICSA Conference*, August, 2001, Hong Kong.
5. Fang, K.T. (1998), Theory and applications of the uniform design, *Experimental Design: Theory and Application*, November 1998, Oberwolfach, Germany.
6. Xie, M. Y. and Fang, K. T. (1997), Optimal designs of product wavelet regression models, *Experimental Design Workshop*, May 1997, Hong Kong.
7. Tian, G. L. and Fang, K. T. (1997), Generation of the uniform distributions of some domains and applications, *Experimental Design Workshop*, May 1997, Hong Kong.
8. Xie, M. Y. and Fang, K. T. (1997), Admissibility and minimaxity of the uniform design measure in nonparametric regression models, *1997 International Symposium on Contemporary Multivariate Analysis and Its Applications*, May 1997, Hong Kong.
9. Fang, H. B., Fang, K. T., Li, R. Z. and Liang, J. J. (1997), New noncentral t - and F -distributions for high-dimensional mean test, *1997 International Symposium on Contemporary Multivariate Analysis and Its Applications*, May 1997, Hong Kong.

10. Liang, J.J., Li, R. Z. and Fang, K. T. (1997), A multivariate version of Ghosh's T_3 -plot to detect non-multinormality, *1997 International Symposium on Contemporary Multivariate Analysis and Its Applications*, May 1997, Hong Kong.
11. Teng, C. Y. and Fang, K. T. (1997), Statistical analysis based on normal distribution of quaternion, *1997 International Symposium on Contemporary Multivariate Analysis and Its Applications*, May 1997, Hong Kong.
12. Tian, G. L. and Fang, K. T. (1997), Multivariate Laplace distributions, *1997 International Symposium on Contemporary Multivariate Analysis and Its Applications*, May 1997, Hong Kong.
13. Xie, M. Y. and Fang, K. T. (1995), Orthogonality of the uniform type design under general Fourier regression models, presented in *International Workshop on Quasi-Monte Carlo Methods and Their Applications*, Hong Kong.
14. Winker, P. and Fang, K. T. (1995), Generation of uniform design by threshold accepting, presented in *International Workshop on Quasi-Monte Carlo Methods and Their Applications*, Hong Kong.
15. Shi, P. and Fang, K. T. (1995), Optimal U-designs under multi-criteria for Fourier regression models, presented in *International Workshop on Quasi-Monte Carlo Methods and Their Applications*, Hong Kong.
16. Liang, Y. Z. and Fang, K. T. (1995), A new robust multivariate calibration algorithm based on least median squares and sequential number-theoretic optimization method, presented in *International Workshop on Quasi-Monte Carlo Methods and Their Applications*, Hong Kong.
17. Li, W. and Fang K. T. (1995), A global optimum algorithm on two factor uniform design, presented in *International Workshop on Quasi-Monte Carlo Methods and Their Applications*, Hong Kong.
18. Pan, J. X., Fang, K. T., and E. P. Liski, Bayesian local influence in growth curve model with Rao's simple covariance structure, presented in *The Third Conference of International Chinese Statistical Association*, Beijing, China, August, 1995.
19. Shiu, W. C., Ma, S. L., and Fang, K. T., On The Rank of Cyclic Latin Squares, presented in *The Third Conference of International Chinese Statistical Association*, Beijing, China, August, 1995.
20. Fang, K. T., Shiu, W. C., and Pan, J. X., Uniform Design Based on Latin Square, presented in *The Third Conference of International Chinese Statistical Association*, Beijing, China, August, 1995.
21. Kotz, S., Fang, K. T. and Liang, J. J. (1995), On multivariate vertical density representation and its application to random number generation, *Algebraic Methods in Multivariate Statistical Analysis*, Oberwolfach, Germany.
22. Pan, J. X. and Fang, K. T. (1994), Multiple outlier detection in growth curve model with unstructured covariance matrix, *The Fifth Japan-China Symposium on Statistics*, Okayama, Japan.
23. Zhu, L. X., Fang, K. T., and Li, R. Z. (1994), A projection NT-type test of multinormality based on the skewness and kurtosis indices, *The 15th Nordic Conference of Mathematical Statistics*, Lund, Sweden.
24. Fang, K.T. et al, (1990), Distribution fitting the women's first marriage, first birth and second birth, *The International Seminar on In-Depth Fertility Survey*, Beijing.
25. Fang, K.T. and Wei, G. (1989), Applications of number Theoretic methods in a geometric probability, *The Third Japan-China Symposium on Statistics*, Contributed Papers, Tokyo.
26. Fang, K.T. and Yuan, K.H. (1989), The limiting distribution of some subclasses of the generalized non-central t-distribution, *The Third Japan- China Symposium on Statistics*, Contributed Papers, Tokyo, 46-49.

27. Fang, K.T. (1988), Construction and applications of multivariate and related distributions, *Anal Meeting of the Psychometric Society*, UCLA, U.S.A.
28. Xu, J.L. and Fang, K.T. (1987), The expected values of zonal polynomials of elliptically contoured distributions, *Sino-American Statistical Meeting*, Contributed Papers, Beijing, China, 531-534.
29. Fan, J.Q. and Fang, K.T. (1987), Inadmissibility of the usual estimator for the location parameters of spherically symmetric distributions, *Sino-American Statistical Meeting*, Contributed Papers, Beijing, China, 143-146.
30. Fang, K.T. and Fang, B.Q. (1987), Generalized symmetrized Dirichlet distributions, *Sino-American Statistical Meeting*, Contributed Papers, Beijing, China, 155-158.
31. Fang, K.T. and Fang, B.Q. (1986), A new Family of multivariate exponential distributions, *Japan-China Symposium on Statistics*, Fukuoka, 57-60.
32. Fang, K.T., Wu, Y.H. and Chen, H.F. (1984), Spherical matrix distributions, generalized Bartlett decomposition and Cochran's theorem, *China-Japan Symposium on Statistics*, Beijing, 75-79.
33. Anderson, T.W. and Fang, K.T. (1984), Cochran's theorems for elliptically contoured distributions, *China-Japan Symposium on Statistics*, Beijing, 4-7.