

# 章祥荪

XIANG-SUN ZHANG

中国科学院数学与系统科学研究院

研究员, 博士生导师

<http://zhangroup.aporc.org>

## 一. 简历

- 籍贯: 浙江鄞县
- 1943年5月13日生于上海
- 1955 - 1960年, 上海市格致中学
- 1960 - 1965年, 中国科技大学应用数学系
- 1965 - 1978年, 中国科学院数学研究所研究实习员
- 1979年, 中国科学院应用数学研究所助理研究员
- 1981 - 1983年, 美国明尼苏达大学计算机科学系访问学者
- 1986年提为副研究员
- 1988年特批为研究员
- 1991年获政府特殊津贴
- 1994年聘为博士生导师
- 1992 - 1998年任中国科学院应用数学所所长
- 1998 - 2003.2任中国科学院数学与系统科学研究院常务副院长
- 2002 - 中国科学院数学与系统科学研究院生物信息中心主任

## 二. 研究, 教学与咨询领域

### Bio-informatics (生物信息学)

- 蛋白质结构比对、功能预测
- 系统生物学

### Optimization Theory and Application (最优化理论与应用):

- Nonlinear Programming (非线性规划),
- Parametric Programming (参数规划),
- Global Optimization Algorithms (总体极值算法),
- Linear Programming and Combinatorics (线性规划与组合优化)

### Artificial Neural Network (人工神经网络):

- 人工神经网络的数学分析
- 利用人工神经网络解优化问题

### Management Information System (管理信息系统理论与应用):

- 管理信息系统设计方法论
- 管理信息系统战略计划
- 电子政务战略规划

## 三. 学术兼职及经历

- 中国运筹学会名誉理事长
- 中国运筹学会理事长 1996-2004
- 中国工业与应用数学学会副理事长 1996-2004
- 亚太运筹学会联合会副主席 1998-2000
- 中科院管理、决策与信息系统开放实验室学术委员会主任 2006-

- 中国数学会常务理事 1999-2004
- Journal of Global Optimization 编委 (SCI 杂志)
- Systems Science and Mathematical Sciences (系统科学与数学) 常务编委
- Fuzzy Optimization and Decision Making, 编委
- 青岛大学名誉教授
- 西安交通大学、中国人民大学、上海大学、云南大学、青岛大学、山东科技大学兼职教授
- 中国运筹学会主办杂志《运筹与管理》，名誉主编

#### 四. 社会兼职

- 中国人民政治协商会议第八届委员， 1993-1997
- 北京市第八届政协常务委员， 1993-1997
- 中国人民政治协商会议第九届常务委员， 1998-2002
- 中国人民政治协商会议第十届常务委员， 2003 —

#### 五. 获奖情况 / 名誉称衔

- [1] 1980 年， “惯性导航综合校正方案”，国防科委二等奖
- [2] 1981 年， “最优化理论及应用”，中国科学院重大科技成果一等奖
- [3] 1987 年， “大型复杂信息系统设计方法论研究和大型信息系统设计”，中国科学院科技进步二等奖
- [4] 1987 年， “新疆维吾尔自治区经济信息管理系统总体设计方案”，新疆维吾尔自治区科技进步二等奖
- [5] 1988 年， “优化理论与应用”，国家自然科学基金三等奖
- [6] 1994 年， “国家信息系统投资分配决策支持系统”，

## 中国科学院科技进步二等奖

- [7] 1996 年, “中国科学院研究生管理系统”, 中国科学院科技进步三等奖
- [8] 1996 年, 获国际运筹学会联合会第 14 届国际运筹学大会  
“运筹学进展奖” 一等奖
- [9] 1997 年, 被国家人事部授予 “中国科学院先进工作者” 称号
- [10] 1999 年, 获全国五一劳动奖章
- [11] 2000 年, 获全国先进工作者称号
- [12] 2004 年, 中国运筹学会名誉理事长

## 六. 编、著、译书籍

- [1] D.-Z. DU and X.-S.Zhang (eds.), Algorithms and Computation, Lecture Notes in Computer Science 834, Springer-Verlag, 1994 .
- [2] 分形 — 美的科学, 井竹君, 章祥荪译自 “The Beauty of Fractals, H.O.Peitgen and P.H.Richter, Springer-Verlag, 1986”, 科学出版社, 北京, 1994.
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- [10] 章祥荪主编, 应用数学译丛, 世界图书出版公司,  
 [10.1] 人寿保险数学 (H.U.Gerber; 成士学、严颖译), 1996  
 [10.2] 概率论和随机过程 (Masanori Fushimi; 李明哲译), 1997  
 [10.3] 最优化方法 (Toshihide Ibaraki; 曾道智译), 1997  
 [10.4] 数学建模 (David Burghes et al; 叶其孝、吴庆宝译), 1997  
 [10.5] 数学风险论导引 (H.U.Gerber; 成士学、严颖译), 1997
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- [15] 章祥荪, 刘德刚, 章口, 吴凌云, 王勇, "Operations Research" 50周年纪念特刊中文译本, 运筹与管理, 2004增刊, 译自: *Operations Research*, vol.50, no.1, 50th Anniversary Issue, 2002.
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## 七. 论文 (共发表、完成 140 篇)

### A. 生物信息学 (Bioinformatics)

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- [15] Yong Wang, Ling-Yun Wu, Xiang-Sun Zhang and Luonan Chen, Exploring the Classification of Protein Structures on Geometric Patterns by Neural Networks, *International Journal of Computational Intelligence Research (IJCIR)*, vol.2, no.1, pp.105-109, 2006
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B. 数学规划 ( Mathematical Programming)

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## 八. 教学经验

- 培养硕士生九名, 毕业与在读博士生二十八名
- 1988.9-1989.12 中国科技大学研究生院, 组合优化算法与复杂性
- 1988.9-1989.12 北京科技大学, 管理信息系统理论与设计方法论
- 1984.9-1985.1 非线性规划, 中国科技大学
- 1980 - 1981 北京钢铁学院, 随机过程与排队理论
- 1978 - 1980 北京大学分校, 微积分, 线性代数

## 九. 国际会议任职

1. Organizing Committee Chairman, Second Conference of the Association of Asian-Pacific Operational Research Societies within IFORS, (APORS'91), August 1991, Beijing, China.
2. Symposium Chairman, Fifth Annual International Symposium on Algorithms and Computation, (ISAAC'94), 25-27, August, 1994, Beijing, China.
3. Symposium Chairman, International Symposium on Operations Research with Applications in Engineering, Technology, and Management (ISORA), 19-22, August, 1995, Beijing, China.
4. Symposium Chairman, International Symposium on Operations Research with Applications in Engineering, Technology, and Management (ISORA'95), 11-14, December, 1996, Guilin, China.
5. Symposium Chairman, International Symposium on Operations Research with Applications in Engineering, Technology, and Management (ISORA'98), 20-22, August, 1998, Kunming, China.
6. Organizing Committee Chairman, Fifteenth Conference of International Federation of Operational Research Societies (IFORS'99), 16-21, August, 1999, Beijing, China.
7. Symposium Chairman, International Symposium on Operations Research with Applications in Engineering, Technology, and Management (ISORA'02), 1-6, June, 2002, Yichang-Chongqing, China.
8. Vice-Chairman of the Programming Committee, Game Theory and Applications satellite Conference, International Congress of Mathematicians 2002, 14-17, August, 2002, Qingdao, China.
9. Co-Chair of the Steering Committee of Sino-Japan Optimization Meeting, Kyoto, Japan, 25-27, September, 2002.
10. Symposium Co-Chairman, Fifth International Symposium on Operations Research with Applications in Engineering, Technology, and Management (ISORA'05), Lhasa-Nyingchi, Tibet, China, 9-13 August, 2005, China.
11. Symposium Co-Chairman, Sixth International Symposium on Operations Research with Applications in Engineering, Technology, and Management (ISORA'06), Urumqi, Xinjiang, 8-12 August, 2006, China.

## 十. 学术会议大会邀请报告

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## 十一. 通信地址

- 家庭住址: 北京, 100080, 中关村, 943 甲楼, 906, 电话: 86-10-82661616
- 办公地址: 北京, 100080, 中关村东路 55 号, 中国科学院数学与系统科学研究院, 电话: 86-10-62561440, 传真: 86-10-62561963
- E-mail: zxs@amt.ac.cn
- <http://zhangroup.aporc.org>