



联系方式

美国地址:
 美国爱荷华州爱荷华市 Killarney 路 3431 号, 美国邮政编码 52246
 (3431 Killarney Rd, Iowa City, IA 52246, USA)
 爱荷华大学工作电子信箱: jun-ni@uiowa.edu;
 美国电子邮件: jni2057@gmail.com;
 学术网站: www.medixcomputing.com/jni/
 美国手机: +1 (319) 383-6670

中国地址:
 上海市浦东新区金海路 2727 号, 专家楼 B-301 室, 邮政编码:
 201209, 中国
 办公室地址: 上海杉达学院综合楼 12304 室, 邮政编码: 201209,
 中国
 办公室电话: 86+21+20262837
 中国手机: 86+13916355540
 中国电子信箱: sageli@126.com
 微信号: jni2057

教育经历

学位学历:

美国爱荷华大学机械工程系, 热力学流体力学专业, 哲学博士学位 (导师: C Beckerman 博士, 美国爱荷华大学讲席教授, 世界凝固领域著名专家) (已获中国教育部留学服务中心国外学历学位认证书, 认证号: [2019] 05309)	1987.2-1991.12
上海交通大学动力机械工程系, 船舶动力装置专业, 硕士学位 (硕士生导师: 童祖楹教授)	1982.2-1984.9
哈尔滨船舶工程学院船舶工程系, 船舶设计与制造专业, 学士学位 (原哈尔滨军事工程学院海军系、现改名为哈尔滨工程大学船舶工程学院)	1978.2-1982.1

博士后经历

美国普渡大学机械工程学院传热实验室 (博士工作导师: 弗兰克 P. 英克鲁佩勒(F. Incropera)教授, 世界著名传热学专家, 美国工程院院士, 原美国普渡大学机械学院院长、圣母大学工学院院长)	1993-1994
美国爱荷华大学医学声理病理中心 (博士工作导师: Fari Alipour, 博士, 资深研究员)	1992-1993
美国爱荷华大学机械工程系 (导师: C Beckerman 博士, 美国爱荷华大学讲席教授, 世界凝固领域著名专家)	1992-1993

工作经历

美国爱荷华大学工学院机械工程兼职副教授	2018.5-今
上海杉达学院, 特聘首席教授, 杉达-IBM 大数据和高性能计算中心项目负责人	2015.10-今
美国麦迪克斯科科技计算有限公司, 创始人、总裁	2014-今
美国科技工程数学协会, 创办人、主席	2006-今
湖北科技学院生物医学工程学院“揽月学者”特聘教授	2016.09-2019.08
上海交通大学海外教育学院, 客座教授	2016.09-2018.09
上海市振华外经职业技术学校电子商务专业特聘专家	2015.11-2018.10

美国爱荷华大学医学院放射系副教授、医学影像超算和医学影像信息学实验室主任	2007.06-2015.05
研究生院生物医学信息学科、机械工程系、生物工程系、计算机系副教授	2007.06-2015.05
南京理工大学计算机科学与技术学院, 客座荣誉教授博导	2012.07-2014.06
上海兆民云计算科技有限公司, 客座荣誉首席研究员	2012.09-2014.09
上海大学信息学院客座荣誉教授	2008.09-2001.09
哈尔滨工程大学计算机科学与技术学院客座荣誉教授、博导硕导	2006.01-2012.12
美国爱荷华大学信息技术中心科学计算服务部正研究员、经理	2006.06-2010.10
美国国家超级计算中心(美国伊利诺伊州立大学香槟分校), 研究员	2008.05-2008.09
美国爱荷华大学信息技术中心科学计算服务部副研究员、部门经理	2002.06-2006.05
上海交通大学客座研究员	2002.12-2004.11
上海交通大学计算机学院和生命科学院, 客座教授	2003-2005
美国爱荷华大学工学院机械工程系和文理学院计算机系, 兼职助理教授	1994-2005
美国爱荷华大学计算中心计算, 科研计算部, 高级计算咨询员	1994.03-2002.05
美国普渡大学机械工程学院传热实验室, 博士后	1993.01-1994.03
美国爱荷华大学医学院声理病理中心和工学院机械工程系, 博士后	1992.01-1992.12
美国爱荷华大学机械工程系, 助教	1987.08-1991.12
上海交通大学动力机械系, 教师	1984.10-1987.01
上海五七农场五连和运输连知青	1976.05-1978.01

负责和参加的科研项目

项目负责人, 湖北省咸宁市高层次人才创新项目(B类), 基层社区老年护理大数据和智慧医疗系统	2018-2020
项目参加者, 上海市民办高校科研项目, 《数据工程》应用技术型人才培养模式研究	2016-2018
项目负责人, 上海市海外名师专项科研基金, 基层社区医疗卫生健康信息学	2014-2017
项目负责人, 上海市扶持资金项目, 上海杉达学院信息学科科研教学实验室基础设施建设	2013-2014
项目负责人, 上海市科研创新项目, 材料结晶分子动力学高性能计算研究与仿真	2013-2016
项目负责人, 上海市民办高校科研项目, 基于公共医疗健康信息的大数据分析系统和技术研究	2013-2014
项目负责人, 美国国家科学基金会(NSF), 纳米材料中的纳米结晶和凝固模型的超级计算	2007-2013
项目负责人, 美国国家科学基金会(NSF), 纳米电子学超级计算模型研讨会	2008-2013
项目负责人, 美国国家科学基金会(NSF), 纳米科技大规模超级计算模型研讨会	2009-2013
项目负责人, 美国微软, 医学影像超级计算系统建设和软件开发	2010-2011
项目负责人, 美国爱荷华大学ICRU研究基金, 生物纳米电子仪器计算模型研究	2008-2009
项目负责人, 美国微软, 医学图像视窗计算平台和LINUX平台	2007-2008
项目负责人, 美国英特尔公司(Intel), 医学图像高性能计算和医学图像处理与分析	2006-2007
项目负责人, 美国国家卫生研究院, Katsevich-方法三维空间CT医学成像中的大规模并行计算	2006-2008
项目参加者, 美国国家科学基金会(NSF), NER/SNB: 多墙碳纳米管的内存器旋转稳定性	2005-2006
项目参加者, 美国爱荷华大学研究基金会, 国家级网格第二层中心可压缩高能 Muon Solenoid 计算	2005-2006
项目负责人, 美国爱荷华大学研究基金会, 连续性状查询中的遗传基因分析和生物信息学计算	2004-2005
项目参加者, 美国爱荷华大学研究基金会, 大学校区级网格计算系统建设	2004-2006
项目参加者, 美国国家科学基金会, 美国国家 TeraGrid 网格, 网格计算在材料传递计算中的应用	2003-2004
项目负责人, 美国爱荷华大学研究基金会, 基于网格计算的 Boltzmann 晶格流场模拟	2003-2004
项目参加者, 美国爱荷华大学研究基金会, 遗传统计图 象可视化系统	2002-2003
项目负责人, 美国爱荷华大学研究基金会, 爱荷华大学高能物理计算网格系统	2002-2003
项目负责人, 美国爱荷华大学, 放射系, VoluMeasureTM: Java 可移式癌症体积测量软件开发	2002-2003
项目参加者, 美国国家卫生研究院(NIH), 基于 Java 猴脑解剖图像分割匹配软件系统开发	2001-2002
项目参加者, 美国 NASA 科研基础教育基金, 高性能计算的教学和培训课程	1995-1997
项目参加者, 美国 NASA 科研基础教育基金, 环境虚拟现实技术	1998-1999
项目参加者, 美国能源部(DOE)科研基金项目, 凝固理论和建模	1993-1994
项目参加者, 美国国家聋哑和其他语言交流障碍疾病研究院	1992-1993
项目参加者, 美国 NASA John H. Glenn 研究中心, 微重力凝固传输模型	1989-1991
项目参加者, 美国国家科学基金会, 美国铝合金总公司技术中心, 凝固理论与模型建设	1989-1991
项目咨询员, 美国国家科学基金会, 地质物理系统中粘性流湿透非稳态引起的沉淀	1995-1996
项目负责人, 中国大港油田采油二厂, 大港油田采油数据库管理系统	1985-1986

科研和学术经历

发表学术刊物、书籍、国际会议文献(共 128 篇)

- 学术刊物 42 篇(其中, SCI 检索论文 30 篇、EI 检索刊物论文 9 篇)
- EI 检索的 IEEE、Springer 等出版社出版的国际学术会议文献、EI 检索刊物论文 84 篇
- SCI 检索的论文中, 被引用的次数 765 次, 作为第一作者发表的论文被引用 560 次
- 编辑国际会议学术会议论文 36 集

国际学术期刊文献(共 50 篇, 其中 30 篇 SCI 检索论文、9 篇 EI 检索刊物论文, SCI 文献引用率, 第一作者 603 次, 全部 898):

- [1] Jun Ni and Christoph Beckermann, "A Volume Averaged 2-Phase Model for Transport Phenomena during Solidification," *Metall. Trans. B*, Vol. 22B, pp. 349-361, June, 1991, DOI: 10.1007/BF02651234 (SCI Index IDS Number: FP177; h-index 51, Citation **415**)
- [2] Jun Ni and Christoph Beckermann, "Natural Convection in a Vertical Enclosure Filled with Anisotropic Porous Media," *ASME Journal of Heat Transfer*, Vol. 113, pp. 1033-1037, 1991, DOI: 10.1115/1.2911201 (SCI Index IDS Number: HP761; Citation **50**)
- [3] Fari Alipour, and Jun Ni, "Numerical Simulation of Laryngeal Flow," *Journal of Acoustic Soc. of American*, Vol. 92, No. 4, Part II, pp. 2391, 1992
- [4] Jun Ni and Christoph Beckermann, "Modeling of Globulitic Alloy Solidification with Melt Convection," *J. of Materials Processing & Manufacturing Science*, Vol. 2, No. 2, pp. 217-231, 1993, 10.1016/0735-1933(96)00017-6 (Ei index number: 1996263160025)
- [5] Jun Ni and Christoph Beckermann, "Metal two-phase flow numerical simulation," *Acta Metallurgica Sinica*, Vol. 30, No 9, 1994, pp.B385-B392
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- [7] Jun Ni and Frank P. Incropera, "Extension of the Continuum Model for Transport Phenomena Occurring during Metal Alloy Solidification, Part II: Microscopic Considerations," *Int. J. of Heat and Mass Transfer*, Vol. 38, No. 7, pp. 1285-1296, 1995, DOI: 10.1016/0017-9310(94)00236-O (SCI Index IDS Number: QN473; Citation **54**)
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- [9] Christoph Beckermann and Jun Ni, "Simulations of Sedimentation in Globulitic Alloy Solidification," *Int. Communication Journal of Heat and Mass Transfer*, Vol. 23, No. 3, pp.315-324, 1996, DOI: 10.1016/0735-1933(96)00017-6 (SCI Index IDS Number: UD736; Citation **7**)
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- [11] Shaowen Wang, A. Padmanabham, Y. Liu, R. Briggs, Jun Ni, Tao He, Boyd Knosp, and Y. Onel, "A Multi-agent System Architecture for End-user Grid Monitoring Using Geographic Information Systems (MAGGIS): Architecture and Implementation," *Lecture Note in Computer Science*, Vol. 3032, pp. 536 - 543, ISBN: 3-540-21988-9, Springer-Verlag Heidelberg, 2004 (SCI Index IDS Number: BAC96; Citation: **5**)
- [12] Jun Ni, Tao He, Lili Huang, Shaowen Wang, Boyd Knosp, and C Lin, "Distributed Computation for Diffusion Problem in a P2P-Enhanced Computing System," *Lecture Note in Computer Science*,

- Volume 3032, pp.428 – 435, 2004, Springer-Verlag Heidelberg, 2004 (SCI Index IDS Number: BAC96)
- [13] Jun Ni, Tao He, Xiang Li, Shaowen Wang, Ge Wang, “EM Medical Image Reconstruction in a Peer-to-Peer Systems, ” *Lecture Note in Computer Science*, Volume, Vol. 3251, pp 495-501, Springer-Verlag Heidelberg, Germany, 2004 (SCI Index IDS Number: BBE85; Citation: **4**)
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- [15] Shaowen Wang, Shaoping Xiao, and Jun Ni, “A Grid-based Bridging Domain Multiple-scale Method for Computational Nanotechnology, ” *Lecture Note in Computer Science*, vol. 3516, pp. 326, Springer, 2005 (SCI index IDS Number: BCM77)
- [16] Xiang Li, Jun Ni and Ge Wang, “Parallel Iterative Cone Beam CT Image Reconstruction on a PC Cluster, ” *Journal of X-Ray Science and Technology*, 13, 4, 30 (2005) 63-72 (SCI Index IDS Number: V43XW, Citation: 20)
- [17] Junjun Deng, Hengyong Yu, Jun Ni, Shiyi Zhao, Lihe Wang, and Ge Wang, “A Parallel Katsevich algorithm for 3-D CT Image Reconstruction, ” *Journal of Supercomputing*, Volume 38, Number 1/October, 2006, pp. 35–47, Springer/Kluwer Academic Publisher (SCI Index IDS Number: 085PO; Citation: **14**)
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- [20] Jun Ni, Xiang Li, He Tao, Ge Wang, “Review of Parallel Computing Techniques for Computed Tomography, ” *Current Medical Imaging Reviews*, 2006, Vol. 2, No. 4, pp. 405-414, Bentham Science Publishers, DOI: 10.2174/157340506778777097 (SCI Index IDS Number: 106JZ; Citation: **9**)
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- Computational and Theoretical Nanosciences*, Vol. 5, pp. 528-534, 2008 (SCI Index IDS Number: 296MI, Citation 2)
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- [29] Junjun Deng, Hengyong Yu, Jun Ni, Lihe Wang, and Ge Wang, "Parallelism_of_iterative_CT_reconstruction_based_on_local_reconstruction_algorithm, " *Journal of Supercomputing*, Springer, Vol. 48, pp. 1-14, 2009, DOI: 10.1007/s11227-008-0198-9 (SCI Index IDS Number: 411XL, Citation 5)
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DOI: 10.1080/08927021003774287 (SCI Index IDS number: 676DE, Citation 2)
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政府科研项目评审

美国国家科学基金会申请课题评审 2007-2012
 美国政府联邦网络和信息技术研究和发展计划(NTRID)报告社会专家评审 2007-2012
 美国国家科学基金会研讨未来科学基金会重大信息技术项目 2007-2008
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国际学术刊物论文评审(参加 77 种不同学科领域的国际学术杂志评审工作)**计算机与信息技术领域**

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 International Journal of Computational Science and Engineering
 International Journal of Computer Science & Information Technology Applications
 International Journal of Data Analysis Techniques and Strategies

International Journal of Grid and Utility Computing
International Journal of Information Retrieval Research
International Journal of Information Technology, Communications and Convergence
International Journal of Intelligent Information Processing
International Journal of Sensor Networks
International Journal of Technology Transfer and Commercialization
International Journal of Web Security, Integrity, Privacy, and Trust,
Journal of Computational and Theoretical Nano-science
Journal of Computer Science and Information Technology
Journal of Grid and Utility Computing
Journal of Supercomputing
Journal of Web Security, Integrity, Privacy, and Trust
Journal Simulation
Parallel Computing
Scientific Journal
Scientific Journal International
Journal of Society for Modeling and Simulation International, Journal
The Journal of Future Generation Information Technology
International Journal of Computing Science and Mathematics
Journal of Applied Science and Engineering
Int. J. of Research, Innovation and Commercialisation

生物医学领域

IEEE Journal of Biomedical and Health Informatics
Advances in Computed Tomography
BMC Bioinformatics
BMC Genomics
BMC Proteome Science
Computational Medicine
Computer Methods and Programs in Biomedicine
Elsevier Computer Methods and Programs in Biomedicine
Image Science Journal
International Journal of Biomedical Engineering and Technology
International Journal of Biomedical Imaging
International Journal of Computational Medicine and Healthcare
Journal of Computational Intelligence in Bioinformatics
Journal of Computer Methods and Programs in Biomedicine
Journal of Lung, Pulmonary & Respiratory Research
Journal of X-Ray Science and Technology
Open Bioinformatics Journal
Oxford Briefings in Bioinformatics
Physiological Genomics
Popular Science Magazine in Health
Reports in Medical Imaging
Scientific World Journal

材料科学领域

IEEE Transaction on Nanotechnology
Journal of Computational and Theoretical Nano-science
Modeling and Simulation in Materials Science and Engineering
Nanotechnology
RSC Advances
RSC Delton, RSC Crystal Engineering Communications
RSC Nano Scale
TCM Metallurgical Transaction A

TCM Metallurgical Transaction B

化学领域

Chemical Communications (ChemComm)
Dalton Transactions
Journal of Materials Chemistry
Physical Chemistry Chemical Physics
RSC Advances

机械工程领域

Frontiers of Mechanical Engineering in China, International
International Journal of Heat and Mass Transfer
Journal of Acoustical Society of America
Journal of Heat Transfer
Journal of Zhejiang University (A)
Numerical Heat Transfer

应用数学 领域

Communications in Numerical Methods in Engineering
Numerical Algorithms

系统工程领域

IEEE Systems Journal

环境工程领域

International Journal of Environmental Engineering

商业和管理

International Journal of Technology Transfer and Commercialization
International Journal of Shipping & Transport Logistics

国际学术出版社书籍评审

McGraw-Hill Publishing, Scott/Jones Publishing Company, Addison-Wesley Publishing Company, Blackwell Publishing Inc., Franklin, Beedle & Associates Publisher, Jones and Bartlett Publisher, Prentice Hall Publishers, Artech House Publishers, John Wiley & Sons, Inc., CRC Press, IGI Global, Morgan Kaufmann Publishers

担任国际学术会议工作

国际会议主席/副主席

GCC2003, GGF 2003-Business/Life Science, VVS'04, GCTA'04, PDPTA'04, IEEE/ACM/HPCNano05, CNST'05, XMLTech'05, GCA'05, HSSHSEC'04, HPCNano'06, GCA'06, SCBB'06, CNAN'06, XML Tech'06, IMSCCS'06, WCCM VII'06, ICSE'06, CNST'06, IMSCCS'07, ISBB'07, HPCNano'07, PDPTA'07, IAENG, ICCS'07, ICSE'07, ICCS'07, ICAI'07, ICIC'07, ICGEM'07, ICMSA'07, ICSC'07, ICSEES'07, ICEEEISG'07, ICFCS'07, ICIKE'07, ICESA'07, ICBCB'07, BIBE'08, ICPADS'08, IMSCCS'08, HPCNano'08, ICICSE'08, ISECS'08, WPCNN'10, HPCNano'09, ICICSE'09, FutureTech'10, ICICSE'10, BIT'10, IMSCCS'10, ICICSE'11, IMCECS'11, ICSOSE'11, ICMII'11, IMSCCS'11, ICICSE'12, ICICSE'13, ICICSE'15, ICICSE'17

担任国际会议程序委员会委员

PDPTA'03, GCC'04, ICBA'04, CIS'04, ISPA'04, CIT'04, HPCSE-04, HPCA'04, VRCAI'04, HPSEC'04, ICPP'04, CLADE'04, IADIS-Bioinformatics'05, MCCSIS'05, HPCAsian'05, GCC'05, MCCIS'05, ISPA'05, HiPCoMB'05, ICPADS-05, CLADE'05, IWBA'05, ICCS'05, HPC'05, PDPTA'05, ICITA'05, APWeb'05, IEEE/ACM SC'06, ISPA'06, ICCS'06, CLADE'06, HPDC'06, GCC'06, HPSEC'06, ICPP'06, PDSEC'06, VRCIA'06, HiPCoMB'06, HPC'06, APWeb'06, ISGC'07,

CODS'07, ICA3PP'07, XMLTech07, BLSC'07, NPC'07, IMECS'07, ICA3PP'07, CCGrid'07, HPC'07, ICCS'07, BIONETICS'08, CLADE'08, Biotechno'08, ICCS'08, HPCS'08, BMEI'08, ICCIT'08, SIWN'08, CODS'08, ABS'08, BSB'08, CSE'08, MCC'08, NIT'08, SSCC'08, NPC'08, GCC2'08, ICCS'09, SpringSim'09, CSIE'09, IJCBS, CODS'09, ICPP'09, IAENG'09, HPCA'09, OEPT'09, HPG'09, NPC'09, HPMI'09, IAENG'10, ICCS'10, SERA'10, ICERMA'10, NPC'10, HPC'10, InCoB'10, XMLDIR'10, CUTE'10, HPC'11, ICELM'11, ICCS'11, NPC'11, FTRAIWHCC'11, ISPA'11, ORS'11, HPGC'12, FTRA-AIM-SUM'12, ICICSE'12, ICNSC '13, ORS'13, ICICSE'13, ICICSE'15, ICICSE'17

担任学术和教学委员会委员

上海杉达学院计算机科学与技术专业教育指导委员会委员	2014-
美国爱荷华大学教授执行理事会教学分会委员	2011-2014
美国爱荷华大学纳米研究院执行和核心教授委员会成员	2006-2010
美国爱荷华大学生物信息学和计算生物中心教授委员会成员	2004-2010
美国中西部(Great Lakes)千万亿次超级计算同盟委员会成员	2004-2010
美国中西部计算科学与工程虚拟学院委员会成员	2004-2010
全美大学科研计算联盟委员会委成员	2005-2010
特邀教授学术评估: 美国阿克伦大学计算机系、美国亚利桑那州立大学	2010-2014

参加学术活动

美国联邦科学、技术、工程、数学联盟委员会成员	2006-2015
美国科技工程数学教育协会 (STEMES) 创始者、主席	2006-今
美国机械工程学会所属的科技工程数学教育组成员	2005-2006
美国爱荷华市中国人教授和专业人员协会主席	1995-1996
美国爱荷华大学学生学者联谊会(学生会)副主席	1988-1989
上海交大青年教师会主席	1985-1986

高校教学经历 (1984-2019)

(具有 33 年在美国和中国的大学里教学经历、共主讲过 52 门跨学科的本科或研究生课程)

计算机科学与信息技术 (24 门)

并行计算(2020、2019、2018)、分布式计算(2018)、数字图像处理(Matlab)(2018、2016)、LINUX 操作系统(2016)、基于 C 语言的程序课程设计(2015)、计算机专业英语(2015、2016、2017)、大数据系统(2015)、数据分析与 SAS 统计计算(2014)、超算和网络计算、C#编程编程语言、数据库管理系统、高级计算机科学、计算机科学基础、Java 编程语言、C 编程语言、C++编程语言、软件编程应用、JavaScript 编程语言、动态网页设计、JSP 编程语言、面向对象编程语言、科学计算与数据处理实验、数据处理和数据挖掘、高性能计算和并行计算(美国爱荷华大学、上海交通大学、上海杉达学院)

医学和生物医学工程 (13 门)

护理信息学(2020、2019、2018、2017、2016)、医学影像处理(2011、2010、2009、2008、2007)、医学影像信息学(2011、2010、2009、2008、2007)、医疗健康体系工程、医学信息学、医学信息挖掘、生物信息学概论、医学数值计算、生理物理建模和计算、生理传递现象、计算癌症动力学、计算细胞动力学、医学影像统计计算(美国爱荷华大学、上海交通大学、上海杉达学院)

机械工程和力学(14 门)

热力学、传热学(2009)、流体力学、气体动力学、传递传质现象、多相流理论和计算、计算传热流体力学、计算固体力学、计算结构力学、工程数学、工程数值计算(1994-2007)、节能系统、液力传动系统、机械工程毕业设计(美国爱荷华大学, 上海交通大学)

商业管理专业(3 门)

大数据分析商业决策(2016 秋, 2017 春)、企业物流大数据分析(2016)、税务大数据分析(2016)(上海交通大学海外教育学院 CEO 商业管理班)

系统工程(1)

体系工程概论 (2011 暑期) (中国国防科技大学国际特邀教授讲习课程)

主持和主讲科学与工程计算培训课程 (共 15 个题目、30 培训班)

超级计算、MPI 平行计算、Fortran 90/95 编程语言、HPF 编程语言、多处理器系统、超级计算中的时间测定和优化、计算化学、Gaussian95/98 和计算化学、PVM 平行计算、科学数据影像、OpenGL 编程、C 编程语言、高级 C 编程语言、VRML 编程语言、JavaScript 编程语言、LINUX 平行计算机群集系统、纳米计算、体系工程及应用

夏季教育课程

美国中西部主要大学联盟/美国爱荷华大学本科生科研(SROP), 夏季 2009

美国国家科学基金会爱荷华大学本科生纳米科研培训课程, 夏季 2009, 2012

参与设计并筹建了 3 个领域的硕士研究生学位培养计划以及教学大纲

计算科学与工程领域(CSE)、医学医疗信息学领域(MMI), 数据科学与工程技术领域(DSET)

指导本科生毕业设计论文

2019-2020 年度, 2 名上海杉达学院的本科生; 1 名安徽中医药大学医疗信息专业本科生

2018-2019 年度, 4 名上海杉达学院的本科生、2017-2018 年读, 4 名上海杉达学院的本科生

1984-1986 年度, 6 名上海交通大学动力机械工程本科生

专业学术学会成员

(现在)美国 IEEE 学会、美国 IEEE/计算机学会、美国 IEEE / 生物医学工程学会、中国计算机联盟会员(CCF)

(曾经)美国机械工程师学会、美国 AAIA 学会、美国 IEEE 学会、美国 IEEE/计算机学会、美国科学家联盟(FAS)、美国放射学会(RSNA)

荣誉和奖励

荣获湖北省创新人才“南鄂英才奖”	2018-2021
上海振华外经职业技术学校电子商务专业荣誉特聘专家	2015-今
上海杉达学院第二届优秀科研成果奖一等奖: 基于公共健康信息的数据挖掘及分析研究	2016
上海兆民云计算科技有限公司荣誉顾问	2012-2015
美国伊利诺伊州立大学香槟分校、美国国家超级计算中心研究员研究奖	2008 暑
哈尔滨工程大学计算机科学与技术学院客座教授博导、硕导	2006-2012
上海大学计算机科学与技术学院客座教授	2008-2011
黑龙江省高校科学技术三等奖, 蛋白质可视化计算机虚拟实现与仿真的研究	2011
美国拉斯维加世界科学计算机大会奖	2010
世界科学计算机大会成就奖	2007
美国爱荷华大学杰出员工	2006
美国拉斯维加世界科学计算机大会奖	2004
美国爱荷华大学教授专业人员国际交流奖	1997、2002
美国爱荷华大学 Mary Jo 奖	2001

美国培养的博士硕士研究生: 15 名; 美国大学实验室指导博士后或访问学者: 10 名

中国培养的硕士生: 8 名; 指导国内大学学士本科生毕业生, 10 名(其中上海交大 6 名, 上海杉达学院 10 名)

个人信息:

身份: 美国公民

语言: 英语(33 年在美国工作和生活的交流语言)、中文(母语)、日语(四年大学日语教员教授的第二外语)

计算机编程语言: C/C++/C#、Java、JavaScript、SQL、Python

操作系统: LINUX 和 Windows;

办公工具: 微软 Office

并行计算语言: MPI、OpenM;

计算机图像编程语言: OpenGL

数据分析与统计编程语言: SAS、R、SPSS

科学工程计算编程语言: Fortran/MatLab

人工智能-神经网络深度学习算法

信息计算技术:

高性能计算、数理建模仿真、大数据云计算技术、数据分析与挖掘、独立开发各类跨学科工程计算软件库
其中包括独立开发的 C/C++/Python/JAVA 科学工程计算软件库、科学工程并行计算软件库、JavaScript 网络
动态科学计算软件库, 癌症肿瘤 CT 重建并行计算软件库, 多相流体力学建模与仿真

行政管理技术:

有 30 多年美国科研项目主管经验, 独立主持多个美国科研基金项目、参加中国国家专项科研、主持上海市
教委科研项目。有多年指导科研团队和博士生硕士生团队经验。