



· 教师信息 >> 自动化系

- 自动化系
- 仪器科学系
- 自动化仪表系
- 生物医学系
- 电气工程系
- 电力工程系
- 电子实验中心
- 学院办公室
- 科研研究生科
- 学院教务科
- 学院学生科

基本资料



姓 名: 陈丹 (男)	民 族: 汉族
出生年月: 1973.11	政治面貌:
所属单位: 自动化系	现有职称: 教授
最高学历: 博士	导师身份: 硕士生导师
毕业院校: 新加坡南洋理工大学	毕业时间: 2004.7
个人主页: 点击进入	更新日期: 2010-09-07
人生格言:	

详细信息

科研信息:

学科及研究方向:

主要从事 计算机建模与仿真、高性能计算 神经信息学 的研究

Modelling and Simulation, High Performance Computing, Neuroinformatics

科研项目信息:

在研项目

基于多智能体和分布式仿真技术的大规模人群仿真与控制, 国家自然科学基金, 项目编号 60804036, 2009-2011 (科研经费人民币20万), 项目负责人

多通道神经振荡同步分析, 国家自然科学基金, 项目编号 90820016, 2009-2011 (科研经费人民币50万), 子项目负责人

大规模人群仿真系统, 教育部留学回国人员基金, 2010-2011, 项目负责人

河北省2010年度高校百名优秀创新人才支持计划, 2010-2012, 项目负责人 (科研经费人民币30万)

完成研究项目

Crowd Simulation for Military Operations, Singapore Defence Science and Technology Agency, Project No. P0D0613456, 2007-2009 (科研经费109万新加坡币, 约人民币510万)

n “军事行动中的人群仿真”; 新加坡国防科学技术管理处资助; 本人为项目的技术负责人

Large Scale Distributed Simulation on the Grid, e-Science Project No. GR/S82862/01, 2004-2006 (科研经费4.1万英镑, 约人民币60万)

n “基于网格的大规模分布式仿真系统”; 英国政府Research Council, e-Science计划资助. 本人为项目的技术负责人, 发表文章见后页: [1][3][12][27]

PDES-MAS: Distributed Simulation of Agent-Based Systems, EPSRC Project No. GR/R45338/01, 2003-2005 (科研经费23万英镑, 约人民币300万)

n 并行离散事件多智能体分布式仿真系统; 英国政府Engineering and Physical Sciences Research Council资助. 本人为项目的技术负责人, 发表文章见后页: [2][7][10][11][13][14]

Technology for Secure and Robust Distributed Supply Chain Simulation, SIMTech/NTU Collaborative Research Project, 2001-2004 (科研经费89万新加坡币, 约人民币450万)

n “安全与鲁棒的分布式供应链仿真技术”, 新加坡国家科学、技术及研究管理处资助, 本人为项目的技术负责人, 发表文章见后页: [4-7][9][15-19][21-24]

Collaborative Industry Project, SIMTech/Rolls&Royce, 2003-2004 (科研经费40万新加坡币, 约人民币200万)

n 新加坡国立工业制造研究所与英国劳斯莱斯合作工业项目, 本项目为劳斯莱斯的燃料电池生产线建模, 用以优化生产线的设计。本人主要任务是建模与结果分析。

硕士期间的研究项目, 1996-2001

n 在新加坡硕士期间, 开发基于HLA的分布式计算虚拟环境, 已解决仿真系统伸缩性的问题, 本人发表文章见后页: [19][25][26]
在国内硕士期间, 主要在863计划项目“三维人体彩色扫描仪”下工作, 本人开发了软件系统的安全模块以及进行数据压缩的研究

论文发表情况:

获奖论文

最佳论文奖 (三篇获奖文章之一): IEEE International Workshop on Advances of CyberInfrastructure (IWACI 2009) in conjunction with the 15th International Conference on Parallel and Distributed Systems (ICPADS), 2009.12.

最佳论文奖 (唯一获奖文章): 20th ACM/IEEE/SCS Workshop on Principles of Advanced and Distributed Simulation (PADS 2006), 2006.05

SIWzie Award, 杰出论文奖 (五篇获奖文章之一): European Simulation Interoperability Workshop 2004, 2004.06

杰出论文奖 (唯一获奖文章): 15th European Simulation Symposium, 2003.10

国际学术期刊

D. Chen* (陈丹), S. J. Turner, W. Cai, G. K. Theodoropoulos, M. Xiong, Michael Lees, Synchronization in Federation Community Networks, Journal of Parallel and Distributed Computing (Elsevier), Vol. 70, Issue 2, pp 144-159, February 2010, DOI: 10.1016/j.jpdc.2009.10.006. (SCI)

Lizhe Wang, Gregor von Laszewski, D. Chen* (陈丹), Jie Tao, Marcel Kunze, "Provide Virtual Machine Information for Grid Computing", To Appear in IEEE Transaction on System Man & Cybernetics (Part A), Accepted in Mar. 2010. (SCI)

Suiping Zhou, D. Chen* (陈丹) et al, "Crowd Modelling and Simulation Technologies", To Appear in ACM Transactions on Modeling and Computer Simulation, Accepted in Nov. 2009.

Jingying Chen, D. Chen* (陈丹) and Oliver Lemon, "A Feature-based Detection and Tracking System for Gaze and Smiling Behaviours", To Appear in International Journal of Computer Systems Science & Engineering, 2010.

D. Chen* (陈丹), L. Wang and C. Bian, "A Grid Architecture for Hybrid Simulations", To Appear in International Journal of Computer Systems Science & Engineering, 2010.

M. Xiong, D. Chen (陈丹), Hai Jin, Multi-Path Based Algorithms for Data Transfer in the Grid Environment, To Appear in Journal of New Generation Computing (Springer), Vol.28, No.2, 2010. (SCI)

D. Chen (陈丹), S. J. Turner, W. Cai, "A Decoupled Federate Architecture for High Level Architecture-based Distributed Simulation", Journal of Parallel and Distributed Computing (Elsevier), Vol. 68, Issue 11, pp 1487-1503, 2008, DOI: 10.1016/j.jpdc.2008.07.010. (SCI)

D. Chen (陈丹), et al, "Data Access in Distributed Simulations of Multi-agent Systems", Journal of Systems and Software (Elsevier), Vol. 81, Issue 12, pp 2345-2360, DOI: 10.1016/j.jss.2008.04.041. (SCI)

D. Chen (陈丹), S. J. Turner, W. Cai, "Towards Fault-tolerant HLA-based Distributed Simulations", Simulation: Transactions of the Society for Modeling and Simulation International, Vol. 84, Issue 10/11, pp 493-509, DOI: 10.1177/0037549708095518. (SCI)

D. Chen (陈丹), et al, "Large Scale Distributed Simulation on the Grid", Future Generation Computer Systems (Elsevier), Vol. 24, Issue 7, pp 658-671, 2008, DOI: 10.1016/j.future.2008.01.004. (SCI)

D. Chen (陈丹), et al, "Algorithms for HLA-based Distributed Simulation Cloning", ACM Transactions on Modeling and Computer Simulation, Vol. 15, Issue 4, pp 316-345. Oct. 2005.

D. Chen (陈丹) et al, "Alternative Solutions for Distributed Simulation Cloning", Simulation: Transactions of the Society for Modeling and Simulation International, Vol. 79, No. 5-6, pp 299-315, 2003. (SCI)

P. Lendermann, N. Julka, B. P. Gan, D. Chen (陈丹), L. F. McGinnis, J. P. McGinnis, "Distributed Supply Chain Simulation as a Decision Support Tool for the Semiconductor Industry", Simulation: Transactions of the Society

国际会议论文

- D. Chen (陈丹), C. Bian, "Towards Hybrid Grid Infrastructure for Large Simulations", IEEE International Workshop on Advances of CyberInfrastructure (IWACI 2009), Dec. 2009. (EI)
- D. Chen (陈丹), S. J. Turner, W. Cai, "A Framework for Robust HLA-Based Distributed Simulation", 20th ACM/IEEE/SCS Workshop on Principles of Advanced and Distributed Simulation (PADS 2006), pp 183-192, May 2006 (最佳论文奖). (EI)
- R. Ewald, D. Chen (陈丹), G. K. Theodoropoulos, B. Logan, M. Lees, T. Oguara, A. M. Uhrmacher, "Performance Analysis of Shared Data Access Algorithms for Distributed Simulation of Multi-Agent Systems", 20th ACM/IEEE/SCS Workshop on Principles of Advanced and Distributed Simulation (PADS 2006), pp 29-36, May 2006. (EI)
- M. Lees, B. Logan, D. Chen (陈丹), T. Oguara, G. K. Theodoropoulos, "Analysing the Performance of Optimistic Synchronization Algorithms in Simulations of Multi-agent Systems", 20th ACM/IEEE/SCS Workshop on Principles of Advanced and Distributed Simulation (PADS 2006), pp 37-44, May 2006 (Nominated for Best Paper Award). (EI)
- G. K. Theodoropoulos, Y. Zhang, D. Chen (陈丹), R. Minson, S. J. Turner, W. Cai, Y. Xie, B. Logan, "Large Scale Distributed Simulation on the Grid", IEEE International Symposium on Cluster Computing and the Grid (CCGRID 2006), May 2006. (EI)
- T. Oguara, D. Chen (陈丹), G. K. Theodoropoulos, B. Logan, M. Lees, "An Adaptive Load Management Mechanism for Distributed Simulation of Multi-agent Systems", 9th IEEE International Symposium on Distributed Simulation and Real-Time Applications, pp 179-186, Oct. 2005. (EI)
- M. Lees, B. Logan, D. Chen (陈丹), T. Oguara, G. K. Theodoropoulos, "Decision-Theoretic Throttling for Optimistic Simulation of Multi-Agent Systems", 9th IEEE International Symposium on Distributed Simulation and Real-Time Applications, pp 171-178, Oct. 2005. (EI)
- D. Chen (陈丹), S. J. Turner, W. Cai, B. P. Gan, M. Y. H. Low, "Incremental HLA-based Distributed Simulation Cloning", IEEE Winter Simulation Conference 2004, pp 386-394, Dec. 2004. (EI)
- D. Chen (陈丹), S. J. Turner, W. Cai, B. P. Gan, M. Y. H. Low, "HLA-Based Distributed Simulation Cloning", 8th IEEE International Symposium on Distributed Simulation and Real-Time Applications, pp 244-247, Oct. 2004. (EI)
- D. Chen (陈丹), S. J. Turner, B. P. Gan, W. Cai, M. Y. H. Low, J. Wei, "Management of Simulation Cloning in HLA-based Distributed Simulations", European Simulation Interoperability Workshop 2004, 04E-SIW-010, Jun. 2004 (杰出论文奖).
- D. Chen (陈丹), S. J. Turner, B. P. Gan, W. Cai, M. Y. H. Low, J. Wei, "A Decoupled Federate Architecture for Distributed Simulation Cloning", 15th European Simulation Symposium, pp 131-140, Oct. 2003 (杰出论文奖). (EI)
- D. Chen (陈丹), B. P. Gan, S. J. Turner, W. Cai, J. Wei, "Data Distribution Management in Distributed Simulation Cloning", European Simulation Interoperability Workshop 2003, 03E-SIW-024, Jun. 2003.
- D. Chen (陈丹), B. S. Lee, W. Cai, S. J. Turner, "Design and Development of a Cluster Gateway for Cluster-based HLA Distributed Virtual Simulation Environments", 36th Annual Simulation Symposium (IEEE Computer Society), pp 193-200, Apr. 2003. (EI)
- D. Chen (陈丹), B. P. Gan, S. J. Turner, W. Cai, N. Julka, J. Wei, "Evaluating Alternative Solutions for Cloning in Distributed Simulation", 36th Annual Simulation Symposium (IEEE Computer Society), pp 201-208, Apr. 2003. (EI)
- B. P. Gan, D. Chen (陈丹), N. Julka, S. J. Turner, W. Cai, "A Comparison of Alternative Topologies for Multi-Level Federations", Spring Simulation Interoperability Workshop 2003, 03S-SIW-027, Mar. 2003.
- N. Julka, D. Chen (陈丹), B. P. Gan, S. J. Turner, W. Cai, "Web-based Configuration and Control of HLA-based Distributed Simulations", Recent Advances in Computational Science and Engineering, Eds. H. P. Lee, K. Kumar, Proceedings of the International Conference on Scientific & Engineering Computation (IC-SEC) 2002, Imperial College London, London, UK, pp 1-6, Dec. 2002. (EI)

ge Press, 2003, ISBN: 1860943454, 9781860943454, pp 822-825, Dec. 2002, Singapore.

N. Julka, B. P. Gan, D. Chen (陈丹), P. Lendermann, L. F. McGinnis, J. P. McGinnis, " Framework for Distributed Supply Chain Simulation: Application as a Decision-Making Tool in the Semiconductor Industry" , International Conference on Modeling and Analysis of Semiconductors Manufacturing, Apr. 2002.

D. Chen (陈丹), B. S. Lee, W. Cai, S. J. Turner, " Overview on a Cluster-based HLA DVSE" , Spring Simulation Interoperability Workshop 2001, Mar. 2001.

D. Chen (陈丹), B. S. Lee, W. Cai, S. J. Turner, " Cluster-gateway based Distributed Virtual Simulation Environment" , IEEE Third International Workshop on Networked Appliances, Mar. 2001.

教材著作编写情况:

章节

D. Chen, " A Grid Aware Large Scale Agent-based Simulation System" , Quantitative Quality of Service for Grid Computing: Applications for Heterogeneity, Large-Scale Distribution and Dynamic Environments, Chapter XVI, Eds. L. Wang and J. Chen, ISBN: 978-1-60566-370-8, IGI Global, May 2009.

研究生招生信息:

硕士生:

边聪聪 人群动力学

魏兴 人群动力学

吕东川 神经信息学

蒋洁 神经信息学

社会兼职:

组委会成员、主席

- n IEEE/ACM International Conference on Green Computing and Communications (2010)
- n IEEE International Workshop on Digital Computing Infrastructure and Applications (2010)
- n International Workshop on Semantic Link Network (2010)
- n International Conference on Web-based Learning (2010)
- n IEEE International Workshop on Advances of CyberInfrastructure (2009)
- n IEEE International Workshop on Advances of Distributed Information Processing (2008)
- n European Simulation Interoperability Workshop (2002-2004)

期刊编辑成员

- n Journal of Advances in Information Technology (JAIT) (2009)

期刊审稿人

- n ACM Transaction on Modeling and Computer Simulation (2010)
- n Journal of Parallel and Distributed Computing (2009-2010)
- n Simulation: Transactions of the Society for Modeling and Simulation International (2003, 2006-2010)
- n IEEE Transactions on Systems, Man, and Cybernetics, Part A: Systems and Humans (2008-2009)
- n Future Generation Computer Systems (2008-2010)
- n Simulation Modelling Practice and Theory (2007-2010)
- n Journal of Systems and Software (2007-2009)
- n Advances In Engineering Software (2006, 2007)
- n International Journal of Computer Games Technology (2007)
- n Journal of Computer (2009-2010)

会议审稿人

- n IEEE International Symposium on Distributed Simulation and Real Time Applications (2002-2007)
- n ACM/IEEE/SCS Workshop on Principles of Advanced and Distributed Simulation (2005-2008)
- n IEEE Winter Simulation Conference (2006)
- n IEEE Annual Simulation Symposium (2006)

个人学习工作经历:

2008.3 教授 (Full Professor), 燕山大学 (Yanshan University), 电气工程学院 (Institute of Electrical Engineering), 自动化系 (Automation Department), <http://iee.yzu.edu.cn/zidonghua/>

2007.5, 博士后(Research Fellow), 新加坡, 南洋理工大学, 计算机工程系, <http://cosmos.ntu.edu.sg/>

2004.8— 2007.4, 博士后, 英国, 伯明翰大学, 计算机科学系, <http://www.cs.bham.ac.uk/>

2001.8— 2004.8, Associate Research Fellow, 新加坡, 国立工业制造研究所, <http://www.simtech.a-star.edu.sg/>

1994.9— 1996.6, 助教, 机电工程学院, 武汉理工大学, <http://www.whut.edu.cn/>

2002.1–2004.7, 博士, School of Computer Engineering, Nanyang Technological University, Singapore, <http://www.ntu.edu.sg/sce> (新加坡, 南洋理工大学, 计算机工程系)

1999.7–2001.7, 硕士, 同上

1996.9–1999.6, 硕士, 华中科技大学, 图象处理与人工智能研究所

1990.9–1994.6, 本科, 武汉大学物理系, <http://www.whu.edu.cn/en/index.html>

2002.9 至今, IEEE, IEEE Computer Society, IEEE Communications Society 会员

联系方式

联系人: 陈丹

联系电话: 03358387556

E-mail: dan.chen@ysu.edu.cn

联系地址:

邮政编码:



电气工程学院
Institute of Electrical Engineering

河北省秦皇岛市燕山大学西校区电气工程学院 学院办公室 (066004) E-mail: iee@ysu.edu.cn
Copyright © 2003-2007 燕山大学电气工程学院 咨询: 0335-8072979