

## 孙学梅副教授简介

孙学梅，女，博士，副教授，硕士生导师。从事计算机网络技术、多媒体信息检索、计算机应用算的研究。

**教育经历：**1994年毕业于河北理工大学获学士学位；2001年毕业于天津大学获硕士学位；2005年毕业于天津大学获博士学位。

**教学方面，**先后承担过“计算机网络”、“操作系统原理”、“计算机组成及体系结构”、“Web 应用程序设计”、“微机原理及接口技术”、“通信原理”、“数据挖掘”、“高级语言程序设计”、等课程。参编讲义“Web 应用程序设计”。

**科研方面，**主持及参与完成的纵向项目为国家九五科技攻关项目“循环型煤气制造过程优化操作与控制系统”、天津市自然科学基金项目“基于嵌入式操作系统 Linux 的蓝牙协议栈研究”、天津工业大学青年基金项目“大规模 Ad Hoc 网络分层路由协议的研究”、天津大学信息学院科研基金项目“大规模 Ad Hoc 网络簇管理技术的研究”；主持及参与完成横向项目“视频交通流检测及车辆识别系统的设计及软件开发”、“轨道交通自动售检票系统中闸机的模式识别系统”、“网站开发与设计”、“企业培训远程教育平台的设计及软件开发”等项目；主持完成的教改项目为“计算机系专业特色和特色专业建设的研究”及“《操作系统原理》课程建设与改革”；现主持在研纵向项目为天津市高等学校科技发展基金计划项目“基于时空联合的视频对象分割算法研究”，横向项目为“基于 Web 的行业技能远程网络培训考试平台”。参加编写教材《Web 应用程序设计》。在国内外发表学术论文 20 多篇，主要文章如下：

- [1] Sun Xuemei, X. Lv, M. Zhang. Novel Shot Boundary Detection Method Based on Support Vector Machine. 2010 International Conference on Computer and Information Application (ICCIA 2010), Tianjin, China, pp.56-59.
- [2] Zhang Mingwei, Sun Xuemei, X. Lv. A QoS Routing Algorithm Based on Culture-Ant Colony Algorithm. 2010 International Conference on Computer Application and System Modeling, Proceedings (ICCASM 2010), Taiyuan, China, Oct. 2010, pp.198-201. (EI 检索号: 20104913453494)
- [3] Sun Xuemei, C. Li, M. Zhang. A QoS Routing Algorithm Based on Culture-Particle Swarm Optimization in Wireless Mesh Networks. The 6th International Conference on Wireless Communications, Networking and Mobile Computing (WiCOM 2010), Sep. 2010, Chengdu, China. (EI 检索号: 20104713417098)
- [4] Sun Xuemei, X. Lv. QoS routing algorithm based on cultural-simulated annealing algorithm. 2nd International Conference on Intelligent Networks and Intelligent Systems, ICINIS 2009, Tianjin, China, pp.209-212. (EI 检索号: 20101212782452).
- [5] Sun Xuemei, X. Lv. Novel dynamic ant genetic algorithm for QoS routing in wireless mesh Networks. The 5nd IEEE International Conference on Wireless Communications, Networking and Mobile Computing. Nov. 2009, 11 Beijing, China (EI 检索号: 20100112611062)
- [6] Sun Xuemei, D. Zhang, Y. Chen, Y. Zhao. Prioritizing design requirement in fuzzy quality function deployment. 2008 IEEE International Conference on Service Operations and

- Logistics, and Informatics. 2008, Beijing, China pp. 2629-2632.(EI 检索号 : 20090111840581)
- [7] Sun Xuemei, D. Zhang, Y. Chen, Y. Zhao. GA-based multi-response desirability function optimization approach. 2008 IEEE International Conference on Service Operations and Logistics, and Informatics.2008,Beijing,China pp.1771-1773.(EI 检索号: 20090111840419)
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- [9] Sun Xuemei, W. Liu, Z. Zhang, Y. Zhao. CODMRP: Cluster-based On Demand Multicast Routing Protocol. The 2nd IEEE International Conference on Wireless Communications, Networking and Mobile Computing, Sep.2006, Wuhan, China, (EI 检索号: 072510660615)
- [10] 孙学梅, 杨柳, 任长明, 一个改进的 Ad Hoc 网络权值簇生成算法. 计算机工程与应用, 2004,40(29), pp. 199~201.
- [11] 孙学梅, 任长明, 神经网络预测控制及其在煤气生产过程中的应用研究. 制造业自动化,2004,26 (2), pp. 26~31.
- [12] Sun Xuemei, C. Ren, Y. Wu, L. Ning, J. Wang. The design and application of neural network controller based on genetic algorithms. 2003 International Conference on Machine Learning and Cybernetics, 2003, Xian, China, pp. 1318~1321. (EI 检索号: 04128072070)
- [13] Sun Xuemei, C. Ren, P. He, Y. Fan. Predictive control based on neural network for nonlinear system with time-delay. 2002 International Conference on Machine Learning and Cybernetics, 2002, Beijing, China, pp. 319~322 .(EI 检索号: 03127405568)