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教师姓名：郭成

最后更新: 2013-04-11　　　　　大连理工大学软件学院

一、基本情况

姓　名：	郭成
性　别：	男
职　称：	副教授
职　务：	教师
学　历：	博士
出生年月：	1980年1月

？ 暂无照片

二、学习及工作经历

2012/12-至今

大连理工大学 软件学院 网络工程系 副教授

2010/07/01-2012/06/30

台湾清华大学 资讯工程学系 博士后研究员

2010/09/13-2011/01/31

台湾逢甲大学 资讯工程学系 兼任助理教授

2006/03-2009/12

大连理工大学 计算机应用技术 专业 工学博士

2003/09-2006/01

大连理工大学 软件工程 专业 工学硕士

1998/09-2002/07

西安建筑科技大学 计算机及应用 专业 工学学士

三、研究领域

密码学，网络安全及多媒体安全

四、讲授课程

通信系统原理

五、承担项目

作为项目组主要成员：

国家自然科学基金项目，网格计算中多用户协同计算的安全机制(90412007), 2004.5-2006.12；

国家自然科学基金项目，连通因子理论及其在网络和公开钥密码学中的应用(60673046), 2007.1-2009.12；

教育部高等学校博士学科点基金，大规模分布式环境下的动态信任模型研究(200801410028)；

国家青年自然科学基金，无线-有线支撑网络中跨层及智能调度算法研究 (61103233), 2012.1- 2014.12.

参与项目：

台湾国科会计划，网际网路的电子交易安全机制之研究 (3/3) (NSC 97-2221-E-035- 039-MY3)，2010.08.01-2011.07.31；

台湾国科会计划，高安全性且高效率的门槛式密码技术之研究与应用 (1/3) (NSC 100- 2221-E-035-049-MY3)，2011.08.01-2012.07.31；

台湾国科会计划，数位影像编辑技术之研究及在多媒体安全之应用 (1/3) (NSC 100- 2221-E-035-093-MY3)，2011.08.01-2012.07.31.

六、主要科研成果

近年来一直从事网络安全及多媒体安全方面的研究工作，专注于秘密共享，秘密图像共享，群组网络中的认证及密钥协商机制及无线网络安全方面的研究工作，已发表学术论文30余篇，其中被SCI/EI收录20余篇次

七、发表论文

International Journal Papers

1.Guo, C., Li, M. C. and Sakurai, K., " A New Secret Sharing Scheme based on the Multi-dealer," IEICE Transactions on Fundamentals, E92-A (5), pp. 1373-1378, 2009. (SCI, EI) SCI:000266425600017, EI: 20103513196245

2.Guo, C., Chang, C. C. and Qin, C., " A Hierarchical Threshold Secret Image Sharing Scheme," Pattern Recognition Letters, Vol. 33, No. 1, pp. 83-91, 2012. (SCI, EI) SCI:000298530400010, EI: 20114714548543

3.Guo, C., Chang, C. C. and Qin, C., " A Multi-threshold Secret Image Sharing Scheme Based on MSP," Pattern Recognition Letters. Vol. 33, No. 12, pp. 1594-1600, 2012. (SCI, EI)

4.Guo, C., Chang, C. C. and Wang, Z. H., " A New Data Hiding Scheme Based on DNA Sequence," International Journal of Innovative Computing, Information and Control (IJICIC), Vol. 8, No. 1(A), pp. 139-149, 2012. (SCI, EI) SCI:000299648200010, EI: 20120714770322

5.Guo, C. and Chang, C. C., " An Authenticated Group Key Distribution Protocol Based on the Generalized Chinese Remainder Theorem," International Journal of Communication Systems. (Accepted 2012/02/26) (SCI, EI)

6.Guo, C. and Chang, C. C., " ElGamal-Based Weighted Threshold Signature Scheme," Information-An International Interdisciplinary Journal. (Accepted 2012/02/22) (SCI)

7.Guo, C., Chang, C. C, " Chaotic Maps-Based Password-Authenticated Key Agreement Using Smart Cards," Communications in Nonlinear Science and Numerical Simulation. (Accepted 2012/09/29) (SCI, EI)

8.Guo, C., Wang, Z. H., Chang, C. C. and Qin, C., " A Secret Image Sharing Scheme with High Quality Shadows Based on Exploiting Modification Direction," Journal of Multimedia, Vol. 6, No. 4, pp. 341-348, 2011. (EI) EI:20113414261235

9.Guo, C., Chang, C. C. and Qin, C., " Multi-Threshold Visual Secret Sharing," AISS: Advances in Information Sciences and Service Sciences, Vol. 4, No. 4, pp. 195-201, 2012. (EI) EI:20121314903508

10.Guo, C. and Chang, C. C., \\\\\\\"Proactive weighted threshold signature based on generalized Chinese remainder theorem,\\\\\\\" Journal of Electronic Science and Technology, Vol. 10, No. 3, pp. 250-255, 2012. (EI)

11.Guo, C., Chang, C. C, " A Construction for Secret Sharing Scheme with General Access Structure," Journal of Information Hiding and Multimedia Signal Processing, JIHMSP. (Accepted 2012/09/15).

12.Guo, C., Chang, C. C, and Sun, C. Y, " Chaotic Maps-based Mutual Authentication and Key Agreement using Smart Cards for Wireless Communications," Journal of Information Hiding and Multimedia Signal Processing, JIHMSP, Vol. 4, No. 2, pp. 99-109, 2013.

13.Li, M. C., Guo, C., Xiong, L. M., Li, D. X. and Lai, H. J., " Quadrangularly Connected Claw-Free Graphs," Discrete Mathematics, Vol. 307, No. 9-10, pp. 1205-1211, 2007. (SCI, EI) SCI: 000244827900019 EI: 20070710420031

14.Sun, W. F., Guo, C., Zhang, P., Zhang, N., Wang, H. T., " A Dynamic Role- Based Authorization Model in Grid Environment," Journal of Digital Information Management, Vol. 9, No. 6, pp. 242-248, 2011. (EI)

15.Wang, Z. H., Guo, C. and Chang, C. C., \\\\\\\"A Novel (n, n) Secret Image Sharing Scheme Based on Sudoku,\\\\\\\" Journal of Electronic Science and Technology, (Accepted 2012/07/19) (EI)

16.Su, Z. Y., Li, M. C., Guo, C., Ma, J. H., Park, J. H. and Jeong, Y. S., " Fuzzy Set Theory-based Trust Models in Multi-Agent Environment," Journal of Internet Technology, Vol. 13, No. 1, pp. 159-172, 2012. (SCI, EI) SCI: 000300137800016, EI: 20121114864244

17.Hu, W. T., Li, M. C., Guo, C. and Ren, Y. Z., " Reversible Secret Image Sharing with Steganography and Dynamic Embedding," Security and Communication Networks, Vol. 5, No. 11, pp. 1267-1276, 2012. (SCI, EI)

18.Cheng, Z.Y., Liu, Y., Chang, C.C., and Guo, C., " A Fault-tolerant Group Key Agreement Protocol Exploiting Dynamic Setting," International Journal of Communication Systems, Vol. 26, No. 2, pp. 259-275, 2013. (SCI, EI)

Local Journal Papers

1.郭成, 张真诚, 秦川, 李明楚. 具有加权特性的门限认证加密机制, 应用科学学报, 2012, 30(3): 251-256. (EI)

2.郭成, 李明楚, 王智慧. 多分发者的秘密共享方案, 计算机工程与应用, 2009, 45(6): 10-12.

3.郭成, 李明楚, 孙伟峰, 崔永瑞. 主动多秘密共享方案, 计算机工程与应用, 2009, 45(7): 14-16转28.

4.郭成, 李明楚, 姚红岩, 胡红钢. P2P网络下基于推荐的信任模型, 计算机工程, 2008, 34(24): 157-159.

5.秦川, 张真诚, 郭成. 基于秘密共享的感知鲁棒图像哈希算法, 计算机研究与发展, 2012, 49(8): 1690-1698. (EI)

6.李明楚, 许雷, 孙伟峰, 陆坤, 郭成. 一种基于非完全信息博弈的网格资源分配新模型, 软件学报, 2012, 23(2): 428-438. (EI) EI:20121014842136

7.姚红岩, 李明楚, 崔永瑞, 郭成, 任一支. 一种隐私的角色认证方法, 小型微型计算机系统, 2010, 31(3): 503-510.

International Conference Papers

1.Guo, C., Chang, C. C., " General Threshold Signature based on the Chinese Remainder Theorem," The Seventh International Conference on Intelligent Information Hiding and Multimedia Signal Processing (IIHMSP 2011), Dalian, China, Oct. 14-16, pp. 244-247, 2011. (EI) EI:20115114606575

2.Jiao, D., Li, M. C., Guo, C. and Ma, J. H., " A Multi-attribute Hierarchical Threshold Scheme," International Workshop on Cyber-Physical Systems and Applications 2011 (CPSA 2011), Dalian, China, pp. 667-671, 2011. (EI) EI:20121014828345

3.Li, M. C., Yao, H. Y, Guo, C. and Zhang, N., " Privacy Protection Mechanism in Grid Computing Environment," Proceedings of the First European Conference on Computer Network Defence, Wales, UK, Andrew Blyth, LNCS, Springer London, pp. 33-39, 2005.

4.Ren, Y. Z., Li, M. C., Guo, C., Cui, Y. R. and Sakurai, K., " Trust Similarity Measure in Trust Model for P2P Networks," Proceedings of the 2008 IEEE/IFIP International Symposium on Trust, Security and Privacy for Pervasive Applications, pp. 107-112, 2008. (EI) EI: 20091412011321

5.Ren, Y. Z., Li, M. C., Cui, Y. R., Guo, C. and Sakurai, K., " Stochastic Dynamics of Trust Structure in P2P Networks," Workshop among Asian Information Security Labs (WAIS 2008), Dalian, China.

6.Guo, C., Li, M. C., Sakurai, K., Ren, Y. Z. and Cui, Y. R., " A Trust Data Storage Management System based on Verifiable Secret Sharing in P2P Networks," Proceedings of Computer Security Symposium (CSS 2008), Okinawa, Japan, pp. 953-958, 2008.

7.Ren, Y. Z., Li, M. C., Guo, C., Cui, Y. R. and Sakurai, K., " A Fine-grained Trust Model for P2P Networks," Proceedings of Computer Security Symposium (CSS 2008), Okinawa, Japan, pp. 617-622, 2008.

8.Guo, C., Li, M. C., Ren, Y. Z. and Sakurai, K., " Construction of Dynamic Threshold Scheme and It\\\\\\\'s

Applications,″ Computer Security Symposium 2009, IPSJ Symposium Series Vol. 2009, No.11. pp. 861-866, 2009.

9.Ren, Y. Z., Li, M. C., Cui, Y. R., Guo, C. and Sakurai, K., " Enhancing Cooperative Behavior for Online Reputation Systems by Group Selection,″ Symposia and Workshops on Ubiquitous, Autonomic and Trusted Computing, UIC-ATC, pp. 568-573, 2009.

10.Ren, Y. Z., Li, M. C., Cui, Y. R., Guo, C. and Sakurai, K., " Enhancing Cooperative Behavior for P2P Reputation Systems by Group Selection,″ Theoretical Computer Science and Its Applications, P: 17-22, 2009.

11.Ren, Y. Z., Li, M. C., Cui, Y. R., Guo, C. and Sakurai, K., " Cooperation in Online Reputation Systems,″ Proceedings of Symposium on Cryptography and Information Security (SCIS 2009), Otsu, Japan, 2009.

八、学术著作或教材目录

暂无相关介绍

九、获奖情况

暂无相关介绍

十、社会学术兼职情况

The Computer Journal, (SCI) (Springer)

Design, Codes and Cryptography, (SCI) (Springer)

The Journal of Systems and Software, (SCI, EI) (Elsevier)

International Journal of Communication Systems, (SCI, EI) (Wiley)

KSII Transactions on Internet and Information Systems, (SCI)

Security and Communication Networks, (SCI) (Wiley)

Journal of Computers, (EI)

Advances in Information Sciences and Service Sciences (AISS) (EI)

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