

Qin Xin – Curriculum Vitae

Contact Information:

Dr. Qin Xin

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Online CV: http://www.simula.no/~xin/cv_xin_Simula.pdf

The Year of Birth: 1977

Current Position: (From November 2007 to now)

Scientist/Postdoc Fellow in Networks and Distributed Systems Dept. at Simula Research Laboratory. Associated with Project "Resilient Networks" funded by the Research Council of Norway.

Research Interests:

• **Main Focus:** Sequential, parallel and distributed algorithms for various communication and optimization problems in wireless networks and information management systems (e.g., Ad hoc, Mesh, Sensor, Cognitive Radio Networks, and Telecommunication Systems)

- Discrete algorithms for combinatorial problems
- Bioinformatics
- Data mining

Qualifications:

(1) From October, 2002 to November, 2004

Ph.D, Department of Computer Science, University of Liverpool, UK.

Graduation ceremony was on 15th December, 2004.

Supervisor: **Prof. Leszek Gąsieniec**

External examiner: **Prof. Andrzej Lingas**

Internal examiner: **Dr. Prudence Wong**

Subject of my PhD studies: *Time Efficient Communication in Multi-hop Radio Networks.*

Communication in multi-hop radio networks has become popular due to the recent advent of new technologies. It is present not only in the ubiquitous cordless and cellular phones, but also in personal communication services, mobile data networks, and local area wireless networks. Multi-hop radio networks, as well as other wireless communication systems, necessitate efficient implementation of communication primitives to carry out more complex communication tasks. This in return propels new algorithmic challenges in the theory of distributed computing and communication.

We study here the primary communication problems in multi-hop radio networks. The main contribution of this work is a collection of new time efficient communication procedures for various models of multi-hop radio networks. In the context of some algorithms we propose genuinely new algorithmic methods in the case of others we subsume already existing solutions. All new algorithms obtained are either **optimal** or **best known** up to our knowledge.

(2) From September, 2001 to September, 2002

MSc(Eng) on Intelligence Engineering

Department of Electrical Engineering and Electronics, University of Liverpool, UK.

(3) From October, 1996 to July, 2000

BEng on Software Engineering

Dept. of Computer Science and Engineering, Shenyang Institute of Aeronautical Engineering, China.

Awards Received:

- (1) Research visiting scholarship from Hong Kong Polytechnic University, 2010.
- (2) Research visiting scholarship from Beijing Jiaotong University, China, 2009.
- (3) Research visiting scholarship from Zhejiang University, China, 2009
- (4) Research visiting scholarship from Huawei Technologies Co., Ltd., China, 2009
- (5) Travel grants from European COST 295, Dynamic Communication Network: Foundations and Algorithms.
- (6) Meltzter grants from University of Bergen, Norway, 2007.
- (7) Research visiting scholarship (one month) from University of Bielefeld, Germany, 2006.
- (8) University Scholarship for PhD studies, supported by The University of Liverpool, 2003-2004.
- (9) Research Grants for PhD studies supported by Shenyang Lingxi Scientific and Technology Company, Ltd., 2002-2003.
- (10) University Entrance Scholarship for the Excellent MSc(Eng) Students supported by Faculty of Engineering, The University of Liverpool, 2001.
- (11) University Scholarship for Excellent Performance on Undergraduate Studies supported by Shenyang Institute of Aeronautical Engineering, China in **all academic years** during the year 1996 to year 2000.

Previous Working Experience:

- (1) From October, 2005 to October, 2007
Postdoc in Algorithms Group in the Department of Informatics at the University of Bergen, Norway.
Associated on SPECTRUM Project - Spectrum Management in Static and Dynamic Networks.
- (2) From October, 2002 to May 2005
Teaching/Tutor/Administrator at Department of Computer Science, the University of Liverpool, UK

Including the following courses:

- Advanced Object-Oriented Programming
- Algorithmic Foundations
- Complexity of Algorithms
- Database Development and Design
- Introduction to Programming in JAVA
- Software Engineering

Teaching Interests:

- Algorithmic Foundations
- Complexity of Algorithms
- Computer Architectures and Networks
- Software Engineering
- Telecommunications and Wireless Networks

- (3) From August, 2000 to July, 2001

Senior Programmer in Shenyang Lingxi Scientific and Technology Company, Ltd.

- I am an expert on programming in C and Visual C++.
- I am proficient at programming in Assembly Language.

Publications:

- (1) Time Efficient Gossiping in Known Radio Networks (with L. Gašieniec and I. Potapov), in *Proceedings of 11th Colloquium on Structural Information and Communication Complexity*, SIROCCO 2004, LNCS 3104, 173 – 184.
- (2) Also invited to *Theoretical Computer Science* 383 (1): 45 – 58 (2007).
- (3) Faster Deterministic Gossiping in Directed Ad-Hoc Radio Networks (with L. Gašieniec and T. Radzik), in *Proceedings of 9th Scandinavian Workshop on Algorithm Theory*, SWAT 2004, LNCS 3111, pp. 397 - 407.
- (4) Deterministic M2M Multicast in Radio Networks (with L. Gašieniec, E. Kranakis and A. Pelc), in *Proceedings of 31st International Colloquium on Automata, Languages and Programming*, ICALP 2004, Springer LNCS 3142, pp. 670 – 682.
- (5) Also in *Theoretical Computer Science* 362 (1-3): 196 – 206 (2006).
- (6) Faster Communication in Known Topology Radio Networks (with L. Gašieniec and D. Peleg), in *Proceedings of 24th ACM Symposium on Principles of Distributed Computing*, PODC 2005, pp. 129 – 137.
- (7) Also invited to *Distributed Computing*, 19 (4): 289 – 300 (2007).
- (8) Time Efficient Communication in Multi-hop Radio Networks
PhD Thesis, The University of Liverpool, November 2004.
- (9) Routing via Single-source and Multiple-source Queries in Static Sensor Networks, (with L. Gašieniec, C. Su and P. Wong), in *Proceedings of the 19th International Parallel and Distributed Processing Symposium (IPDPS) – IEEE WMAN 2005*.
- (10) Also in *Journal of Discrete Algorithms*, 5 (1): 1 – 11 (2007).
- (11) Selection of Significant Rules in Classification Association Rule Mining (with Y. Wang and F. Coenen), in *Proceedings of ICDM2005 WORKSHOP on Foundations of Semantic Oriented Data and Web Mining ICDM-FDM 2005*, pp. 106 – 108.
- (12) Optimal Gossiping with Unit Size Messages in Known Radio Networks (with F. Manne), in *Proceedings of 3rd Workshop on Combinatorial and Algorithmic Aspects of Networking CAAN 2006*, Springer LNCS 4235, pp. 125 – 134.
- (13) Faster Centralized Communication in Radio Networks (with F. Cicalese and F. Manne) in *Proceedings of the 17th International Symposium on Algorithms and Computation ISAAC 2006*, LNCS 4288, pp.339 – 348.
- (14) Efficiency Mining Significant Classification Association Rules (with Y. Wang and F. Coenen), in the book *"Data Mining: Foundations and Practice"*, Springer, 2008, 443 – 467.
- (15) Faster Radio Broadcasting in Planar Graphs (with F. Manne and S. Wang), *proceedings of the 4th Annual Conference on Wireless On demand Network Systems and Services*, WONS 2007, IEEE press, 9 – 13.
- (16) Faster Treasure Hunts, and Better Strongly Universal Exploration Sequences, *proc. of the 18th International Symposium on Algorithms and Computation*, ISAAC 2007, LNCS 4835, 549 – 560.
- (17) A Novel Rule Ordering Approach in Classification Association Rule Mining (with J. Wang and F. Coenen), *proc. of the 5th International Conference on Machine Learning and Data Mining*, MLDM 2007, LNCS 4571, 339 – 348.
- (18) A Novel Rule Weighting Approach in Classification Association Rule Mining (with J. Wang and F. Coenen), *Workshops Proceedings of the 7th IEEE International Conference on Data Mining*, 2007: 271 – 276.
- (19) Time Efficient Radio Broadcasting in Planar Graphs (with F. Manne), in *Journal of Networks*, 3(2): 9 – 16, 2008.
- (20) Approximating Border Length for DNA Microarray Synthesis (with C. Li, P. Wong, and F. Yung), *proc. of the 5th Annual Conference on Theory and Applications of Models of Computation*, TAMC 2008, LNCS 4978, 410 – 422.
- (21) Optimal Fault-tolerant Broadcasting in Wireless Mesh Networks, (with Y. Zhang), *proc. of the 2008 International Conference on High Performance Switching and Routing*, HPSR 2008, IEEE press, 151 – 157.

- (22) Optimal Spectrum Scheduling in Cognitive Wireless Mesh Networks, (with Y. Zhang and J. Xiang), *proc. of the 2008 International Wireless Communications and Mobile Computing Conference, IWCMC 2008*, IEEE press, 724 – 728.
- (23) Hybrid Rule Ordering in Classification Association Rule Mining, (with J. Wang and F. Coenen), *Transactions on Machine Learning and Data Mining*, 1(1): 1 – 15 (2008).
- (24) Faster Centralized Communication in Radio Networks (with F. Cicalese and F. Manne), *invited to Algorithmica*, 54(2):226-242, 2009.
- (25) Optimal Fault-tolerant Broadcasting in Wireless Mesh Networks, (with Y. Zhang and L. T. Yang), *Wiley Wireless Communications and Mobile Computing*, 2009.
- (26) Minimum-Latency Gossiping in Multi-hop Wireless Mesh Networks, (with Y. Zhang and J. Xiang), in *proc. of the IEEE 44th International Conference on Communications, ICC 2009*, 1-5.
- (27) Optimal Sensing Cooperation for Spectrum Sharing in Cognitive Radio Networks, (with Y. Zhang, J. Xiang, and G. Oien), in *proceedings of European Wireless*, IEEE press, EW 2009, 216-221.
- (28) Almost Optimal Distributed M2M Multicasting in Wireless Mesh Networks, (with F. Manne, Y. Zhang, J. Wang, and Z. Zheng), *proc. of the 6th IEEE International Conference on Mobile Ad-hoc and Sensor Systems*, IEEE MASS 2009, 120-129.
- (29) Joint admission control, channel assignment and power allocation in cognitive radio cellular networks, *proc. of the 6th IEEE International Conference on Mobile Ad-hoc and Sensor Systems*, IEEE MASS 2009, 294-303.
- (30) Latency-Optimal Communication in Wireless Mesh Networks, (with F. Manne), in *proceedings of the 15th Asia-Pacific Conference on Communications*, APCC 2009, 72-76.
- (31) Gateway Selection Scheme for Throughput Optimization in Multi-radio Multi-channel Wireless Mesh Networks, in *proceedings of the Fifth International Conference on Mobile Ad-hoc and Sensor Networks*, MSN 2009.
- (32) Latency-efficient M2M Multicasting in Wireless Mesh Networks Under Physical Interference Model, (with Y. Wang), in *proceedings of IEEE Wireless Communications and Networking Conference*, WCNC 2010.
- (33) A Comparative Study of Associative Classifiers in Mesenchymal Stem Cell Differentiation Analysis, (with W. Wang, Y. Wang, R. Banares-Alcantara, F. Coenen, and Z. Cui), In *Senthil Kumar, A.V. (Ed.), Knowledge Discovery Practices and Emerging Applications of Data Mining: Trends and New Domains*, IGI Global, Hershey (PA), USA.
- (34) Minimum-Latency Communication in Wireless Mesh Networks under Physical Interference Model, *proc. of the IEEE 45th International Conference on Communications, ICC 2010*, IEEE press, 1-6.
- (35) Gateway Selection Scheme for Throughput Optimization in Multi-radio Multi-channel Wireless Mesh Networks Under Physical Interference Model, (with X. Yao and P. Engelstad), *Invited to the 5th International Conference on Communications and Networking in China*, ChinaCom 2010, to appear.
- (36) Hybrid DIAAF/RS: Statistical Textual Feature Selection for Language-independent Text Classification, (with Wang, Li, Coenen and Sanderson), in *proceedings of the 10th Industrial Conference on Data Mining*, ICDM 2010, LNAI, to appear.
- (37) Channel Assignment Scheme in Multi-Channel Multi-Radio Wireless Mesh Networks, (with Y. Xia and Z. Gong), in *proceedings of 8th International Conference of Numerical Analysis and Applied Mathematics*.

Papers under review or in preparation:

- (38) Randomized Selection of Significant Rules in Classification Association Rule Mining, submitted.
- (39) Energy Optimal Placement of Access Points in Wireless Sensor Networks (with Zhang et al.), submitted.
- (40) Time Optimal Communication in Wireless Mesh Networks, in preparation.
- (41) Throughput Optimization in Multi-Radio Multi-Channel Cognitive Wireless Mesh Networks with Consideration of Switching Costs (with F. Manne et al.), in preparation.
- (42) Optimal Group Testing with One Gap (with A. De Bonis, L. Gąsieniec, and U. Vaccaro), in preparation.
- (43) Energy Efficient Broadcasting in Radio Networks (with L. Gąsieniec et al.), in preparation.
- (44) Latency-efficient Communication in Wireless Mesh Networks under Consideration of Large Interference Range (with X. Yao), in preparation.
- (45) Joint admission control, channel assignment and power allocation in multi-hop cognitive radio networks (with X. Yao), in preparation.
- (46) Cooperative Communications in Multi-hop Cognitive Radio Networks (with X. Yao), in preparation.

Services for the community:

(1) As a **Technical Program Committee (TPC) member** for the international conferences (Selection):

- IEEE 25th International Conference on Advanced Information Networking and Applications, AINA 2011
 - The (24th) 25th International Conference on Information Networking, (ICOIN 2010) ICOIN 2011
 - The 8th Annual IEEE Consumer Communications and Networking Conference, IEEE CCNC 2011
 - The (18th) 19th Annual High Performance Computing Symposium, (HPC 2010) HPC 2011
 - The 26th ACM Symposium on Applied Computing, ACM SAC 2011 - Track on Networking
 - IEEE (45th) 46th International Conference on Communications, (ICC 2010) ICC 2011
 - IEEE (33rd) 34th Sarnoff Symposium, (Sarnoff 2010) Sarnoff 2011
 - The 10th International Conference on Networks, ICN 2011
 - IEEE Wireless Communications and Networking Conference, WCNC 2010, WCNC 2011
 - The 35th IEEE Conference on Local Computer Networks, LCN 2010
 - IEEE (71st-72nd) 73rd Vehicular Technology Conference, (VTC2010-Spring-Fall) VTC2011-Spring
 - The 8th International Conference on Advances in Mobile Computing and Multimedia, MoMM 2010
 - The 9th International Conference on Ad Hoc Networks and Wireless, ADHOC-NOW 2010
 - The 12th International Conference on High Performance Computing and Communications, HPCC 2010
 - 25th Queen's Biennial Symposium on Communications, QBSC 2010
 - IEEE Globecom 2010 - Wireless Communications Symposium
 - IEEE Globecom 2010 - Wireless Networking Symposium
 - 21st IEEE International Symp. on Personal, Indoor and Mobile Radio Communications, PIMRC 2010
 - IEEE 24th International Conference on Advanced Information Networking and Applications, AINA 2010
 - The 8th IEEE/IFIP International Conference on Embedded and Ubiquitous Computing, EUC 2010
 - The 6th International Conference on Mobile Ad-hoc and Sensor Networks, MSN 2010
 - 6th International Mobile Multimedia Communications Conference, MobiMedia 2010
 - The 10th IEEE International Conference on Computer and Information Technology, CIT 2010
 - 6th IEEE International Conf. on Wireless and Mobile Computing, Networking and Comm., WiMob 2010
 - 6th (7th) International Conference on Networking and Services, ICNS 2010 (ICNS 2011)
 - 6th (7th) Advanced International Conference on Telecommunications, AICT 2010 (AICT 2011)
 - The 5th Annual International Wireless Internet Conference, WICON 2010
 - International Conference on Ultra Modern Telecommunications, ICUMT 2010
 - The First International Conference on Advances in Bioinformatics and Applications, BIOINFO 2010
 - The 4th International Workshop on Localized Algorithms and Protocols for WSNs, LOCALGOS 2010
 - The 5th IEEE Int. W. on Heterogeneous, Multi-Hop, Wireless and Mobile Networks, HeterWMN 2010
 - The 5th International Conference on Mobile Ad-hoc and Sensor Networks, MSN 2009
 - The 3rd (4th) International Conf. on New Technologies, Mobility and Security, NTMS 2009 (NTMS 2011)
 - IFIP Wireless Days, WD 2009 and WD 2010 (Track 1: Ad Hoc and Sensor Networks)
 - The 8th IEEE International Conference on Dependable, Autonomic and Secure Computing, DASC 2009
 - The 3rd International Conference on Multimedia and Ubiquitous Engineering, MUE 2009
 - 2nd International Conference on Sensor Networks and Ambient Intelligence, SeNAMi 2009
 - IEEE International Symposium on Pervasive Computing and Ad Hoc Communications, PCAC 2008
 - The 5th International Conference on Ubiquitous Intelligence and Computing, UIC 2008
- (Also served as **Local Organization Co-chair**)
- IFIP International Conference on Network and Parallel Computing, NPC 2007, NPC 2008, NPC 2009
 - **Session chair:** 2008 International Conference on High Performance Switching and Routing, HPSR 2008
 - **Session chair:** IEEE International Conference on Mobile Ad Hoc and Sensor Systems, IEEE MASS 2009
 - **Session chair:** International Conference on Mobile Ad-hoc and Sensor Networks, MSN 2009
 - **Symposium organizer:** The 8th International Conference of Numerical Analysis and Applied Mathematics
 - **Session chair:** IEEE Wireless Communications and Networking Conference, WCNC 2010
 - **Associate Editor:** International Journal of Network Protocols and Algorithms
 - **Regional Editor:** International Journal of Computing and applications
 - **Member of Advisory Committee:** International Association for Computer Scientists and Engineers
 - **Member of editorial board:** MASAUM Journal of Computing
 - **Member of editorial board:** Journal of Advanced Computing and Applications
 - **Member of editorial board:** Wireless Engineering and Technology
 - **Member of editorial board:** International Journal of Communication Networks and Distributed Systems
 - **Member of editorial board:** International J. of Applied Research on Information Technology and Computing
 - **Member of editorial board:** International Journal of Next-Generation Networks
 - **Member of editorial board:** International Journal of Distributed Sensor Networks
 - **Advisory Chair:** International Conference on Advanced Cognitive Technologies and Applications

Services for the community:

(2) As a **reviewer** for the international journals and conferences (selection):

- Information Processing Letters
- Parallel Processing Letters
- IEEE Communications Letters
- Algorithmica
- Theoretical Computer Science
- IEEE Transactions on Wireless Communications
- International Journal of Communication Systems
- European Transactions on Telecommunications
- Journal of Communications and Networks
- IEEE Transactions on Vehicular Technology
- Journal of Discrete Algorithms
- Data & Knowledge Engineering (DKE)
- Wiley Wireless Communications and Mobile Computing
- 14th International Symposium on Fundamentals of Computation Theory, FCT 2003
- Colloquium on Structural Information and Communication Complexity, SIROCCO (2004,06,08,10)
- 15th International Symposium on Algorithms and Computation, ISAAC 2004
- 10th Scandinavian Workshop on Algorithm Theory, SWAT 2006
- 24th International Symposium on Theoretical Aspects of Computer Science, STACS 2007
- IEEE International Parallel & Distributed Processing Symposium, IPDPS 2007, IPDPS 2009
- 21st International Symposium on Distributed Computing, DISC 2007
- The 66th IEEE Vehicular Technology Conference, VTC-Fall 2007
- 27th ACM SIGACT-SIGOPS Symposium on Principles of Distributed Computing, PODC 2008
- IEEE International Symposium on Personal, Indoor and Mobile Radio Comm., PIMRC 2008-2010
- IEEE Global Communications Conference, IEEE GLOBECOM 2008, IEEE GLOBECOM 2010
- 5th European Conference on Wireless Sensor Networks, EWSN 2008
- International Conference on Ultra Modern Telecommunications, ICUMT 2009
- IFIP International Conference on Network and Parallel Computing, NPC (2007-2009)
- IEEE 44th (45th) International Conference on Communications, ICC 2009 (ICC 2010)
- International Conference on Mobile Ad-hoc and Sensor Networks, MSN 2009
- 6th IEEE International Conference on Mobile Ad-hoc and Sensor Systems, IEEE MASS 2009
- IEEE 71st Vehicular Technology Conference, VTC2010-Spring
- IEEE Wireless Communications and Networking Conference, WCNC 2010
- The 24th International Conference on Information Networking, ICOIN 2010
- High Performance Computing Symposium, HPC 2010
- IEEE 24th International Conference on Advanced Information Networking and Applications, AINA 2010
- The 5th Annual International Wireless Internet Conference, WICON 2010
- 33rd IEEE Sarnoff Symposium, Sarnoff 2010
- The 8th International Conference on Advances in Mobile Computing and Multimedia, MoMM 2010
- The 9th International Conference on Ad Hoc Networks and Wireless, ADHOC-NOW 2010
- The 35th IEEE Conference on Local Computer Networks, LCN 2010

Presentations:

- (1) Group Testing Methods, CTAG Group Seminar, University of Liverpool, February 2003.
- (2) Optimal Gossiping Schemes in Radio Networks, PGNET 2003, granted by EPSRC, May 2003.
- (3) Gossiping in Radio Networks, invited seminar by Bei Jing Jiao Tong University, China, April 2004.
- (4) Faster Deterministic Gossiping in Directed Ad-Hoc Radio Networks, SWAT 2004, Denmark, July 2004.
- (5) Faster Communication in radio networks, invited by Los Alamos National Lab, USA, April 2005.
- (6) Faster Communication in Ad-hoc Networks, invited by Bielefeld University, Germany, April, 2005.
- (7) Gossiping in Radio Networks, invited by Tsinghua University, China, May 2005.
- (8) Faster Gossiping Strategies in Ad-Hoc Wireless Radio Networks, Departmental Seminar, UiB, Nov. 2005.
- (9) Optimal Gossiping with Unit Size Messages in Known Radio Networks, CAAN 2006, UK.
- (10) Time Efficient Communication in Radio Networks, Group Seminar, University of Bergen, October, 2006.
- (11) Faster Centralized Communication in Radio Networks, ISAAC 2006, India.
- (12) Faster Radio Broadcast in Planar Graphs, WONS 2007, Austria.
- (13) Deterministic Rendezvous, Treasure Hunts and Strongly Universal Exploration Sequences, Winter School, Finse, Norway, March 2007.
- (14) Routing via Single-source and Multiple-source Queries in Static Sensor Networks, invited by Simula Research Laboratory, Oslo, Norway, July 2007.
- (15) Faster Treasure Hunts, and Better Strongly Universal Exploration Sequences, ISAAC 2007, Japan.
- (16) Theoretical Approaches for Efficient Communication in Wireless Ad-hoc Networks, November, 2007.
- (17) Optimal Centralized Communication in Wireless Radio Networks, Winter School, Norway, Feb., 2008.
- (18) Approximating Border Length for DNA Microarray Synthesis, TAMC 2008, China.
- (19) Optimal Fault-tolerant Broadcasting in Wireless Mesh Networks, HPSR 2008, China.
- (20) Optimal Spectrum Scheduling in Cognitive Wireless Mesh Networks, Group Seminar, (IWCMC 2008).
- (21) Fault-tolerant Communication in Wireless Mesh Networks, Group Seminar, November 2008.
- (22) Minimum-Latency Gossiping in Multi-hop Wireless Mesh Networks, ICC 2009, Germany.
- (23) Optimal Distributed M2M Multicasting in Wireless Mesh Networks, IEEE MASS 2009, China.
- (24) Joint admission control, channel assignment and power allocation in cognitive radio cellular networks, IEEE MASS 2009, China.
- (25) Latency-Optimal Communication in Wireless Mesh Networks, APCC 2009, China.
- (26) Joint admission control, channel assignment and power allocation in cognitive radio cellular networks, invited by Hong Kong Polytechnic University, October 2009, China.
- (27) Almost Optimal Distributed M2M Multicasting in Wireless Mesh Networks, invited by ZheJiang University, October 2009, China.
- (28) Joint admission control, channel assignment and power allocation in cognitive radio cellular networks, invited by ZheJiang University, October 2009, China.
- (29) Almost Optimal Distributed M2M Multicasting in Wireless Mesh Networks, invited by National University of Defense Technology, November 2009, China.
- (30) Joint admission control, channel assignment and power allocation in cognitive radio cellular networks, invited by National University of Defense Technology, November 2009, China.
- (31) Almost Optimal Distributed M2M Multicasting in Wireless Mesh Networks, invited by Beijing Jiao Tong University, November 2009, China.
- (32) Joint admission control, channel assignment and power allocation in cognitive radio cellular networks, invited by Beijing Jiao Tong University, November 2009, China.
- (33) Time-efficient Gateway Selection scheme for in Wireless Mesh Networks, MSN 2009, China.
- (34) Latency-efficient M2M Multicasting in Wireless Mesh Networks Under Physical Interference Model, WCNC 2010, Australia.
- (35) Data Mining in Wireless Sensor Networks, invited by Sydney University of Technology, Australia.
- (36) Minimum-Latency Communication in Wireless Mesh Networks under Physical Interference Model, ICC 2010, Cape Town, South Africa.
- (37) Gateway Selection Scheme in Wireless Mesh Networks, ChinaCom 2010, China.

Referees: (By alphabetical order)

(1) **Prof. Jiannong Cao** (Head of the Department of Computing)
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(2) **Prof. Paal E. Engelstad** (Joint research scientist at Telenor)
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(3) **Prof. Leszek Gašieniec (my former PhD supervisor;** Head of CTAG)
Department of Computer Science, The University of Liverpool
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(5) **Prof. Evangelos Kranakis** (Carleton University Chancellor's Professor; IT Theme Leader in the MITACS)
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(6) **Prof. Andrzej Lingas** (World Expert on Algorithms and Complexity)
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