

CURRICULUM VITAE

NAME

Björn Landfeldt

CONTACT DETAILS

Address Department of Electrical- and Information Technology
Lund University
122 00 Lund Sweden

Phone +46 46 2224407

Email [bjorn.landfeldt\(at\)eit.lth.se](mailto:bjorn.landfeldt@eit.lth.se)

PERSONAL DETAILS

Citizenship Swedish, Australian

Languages Swedish, English, German

EDUCATION

Bachelor of Electrical Engineering, (equiv.)
The Royal Institute of Technology (KTH), Stockholm 1991-1996

Ph.D. Telecommunications
The University of New South Wales, Australia 1997-2000

Dr. Björn Landfeldt Professor
Electrical and Information Technology
Lund University
Email: bjorn.landfeldt@eit.lth.se

RESEARCH POSITIONS HELD

Professor

Lund University
Sweden 2012-

Associate Professor

School of Information Technologies, University of
Sydney 2009-2012

Senior Researcher

National ICT Australia 2008-2009

CISCO Senior Lecturer

School of Electrical engineering and School of Information
Technologies, University of Sydney 2001-2008

Senior Researcher

Ericsson Research AB, Networks and Systems Division, Kista,
Sweden 2000-2001

MEMBERSHIPS

Senior Member IEEE

Member COMMUNICATION SOCIETY

Member ACM

RESEARCH INTERESTS

My main areas of interest are:

- ◆ Wireless and Mobile Networking
- ◆ Performance Modeling
- ◆ Distributed Systems
- ◆ QoS Management
- ◆ Intelligent Vehicular Systems

PUBLICATIONS

Thesis

- “Reactive QoS Management in a Heterogeneous Networking Environment from an End-User Perspective”, B. Landfeldt UNSW 2000.

Book Chapters:

- “Deployment of a Wireless Mesh Network for Traffic Control”, Lan, K., Wang, Z., Hassan, M., Moors, T., Berriman, R., Libman, L., Ott, M., Landfeldt, B., Zaidi, Z., & Chou, C. (2012). In M. Matin (Ed.), *Developments in Wireless Network Prototyping, Design, and Deployment: Future Generations* (pp. 290-310). Information Science Reference. doi: 10.4018/978-1-4666-1797-1.ch014
- “Mobility Management in Wireless Mesh Networks”, P. Wu, B. Landfeldt and A. Y. Zomaya, *Encyclopedia of Ad Hoc and Ubiquitous Computing*, edited by D.P. Agrawal and B. Xie, pp. 587–600, World Scientific Publishing, Singapore.
- “Fault Management in Wireless Mesh Networks”, Z. Zaidi, B. Landfeldt and A. Y. Zomaya, *Handbook of Mobile, Ad-Hoc and Pervasive Communications*, American Scientific Publishers, 2008.
- “Access Control in Wireless Local Area Networks”: Fast Authentication Schemes, J. Hassan, B. Landfeldt and A. Y. Zomaya, *Handbook of Research on Wireless Security*, Chapter 44, IGI Global, Yan Zhang; Jun Zheng; Miao Ma eds., ISBN: 978-1-59904-899-4
- “A Presence System for Autonomous Networks”, A. Dang and B. Landfeldt, *Advanced Wired and Wireless Networks*, Chapter 5, Springer Verlag, 2004, ISBN: 0-387-22781-4.
- “User Mobility in IP Networks: Current Issues and Recent Developments”, B. Landfeldt, J. Chan, B. Thai and A. Seneviratne, *Handbook of the Wireless Internet*, Chapter 3, CRC Press 2003.

Edited Journals:

- Elsevier Computer Communications, Special section on wireless network behaviour and design, B. Landfeldt and L. Bononi eds. in print.
- Elsevier Journal on Parallel and Distributed Systems Special issue on Advancement of research in wireless access and mobile systems, 71(9), 2011.
- Elsevier Computer Communications special issue on End-to-end Support over Heterogeneous Wired-Wireless Networks, Editors S. Zeadally, B. Landfeldt and B. Wei, vol.31 issue 11, July 2008.

Dr. Björn Landfeldt Professor
Electrical and Information Technology
Lund University
Email: bjorn.landfeldt@eit.lth.se

- Elsevier Journal on Parallel and Distributed Systems special issue on Behaviour, Artefacts and Solutions in Wireless Mesh Networks, editors B. Landfeldt and A. Y. Zomaya vol. 68, no. 3 March 2008.
- Elsevier Computer Communications special issue on Advances and Directions in Quality of Service Management, editors B. Landfeldt, T. Moors, S. Jha and D. Hoang, vol. 28/15.

Journal Publications:

- “Interarrival Distribution of a Long-Range Dependent Workload Process”, M. Caglar, M. Iftikhar and B. Landfeldt, Applied Mathematics and Information Science, In Press.
- “On the Provisioning of QoS Mapping in Cellular and IP Networks Using a Translation (Function) Matrix”, M. Iftikhar, W. Al-Salih, I. Shoukat, M. Uddin, M. Talha, B. Landfeldt and A. Zomaya, Information, (06) 2012.
- “Improving Densely Deployed Wireless Network Performance In Unlicensed Spectrum through Hidden-Node Aware Channel Assignment”, S. Manitpornsut, B. Landfeldt and A. Boukerche, Performance Evaluation, Volume 68, Issue 9, September 2011, Pages 825-840.
- "Service level agreements (SLAs) parameter negotiation between heterogeneous 4G wireless network operators", M. Iftikhar, B. Landfeldt, S. Zeadally and A. Zomaya, Pervasive and Mobile Computing, Volume 7, Issue 5, 2011, pp. 525-544.
- “Real-time detection of traffic anomalies in wireless mesh networks (WMN)”, Z. Zaidi, S. Hakami, B. Landfeldt and T. Moors, Wireless Networks, Volume 16, No. 6, pages 1675-1689, August 2010.
- “Cooperative Power-Aware Scheduling in Grid Computing Environments”, R. Subrata, A. Y. Zomaya and B. Landfeldt, Journal on Parallel and Distributed Systems, vol. 70. Issue 2, 2010.
- “Detection and Identification of Anomalies in Wireless Mesh Networks using Principal Component Analysis”, Z. Zaidi, S. Hakami, T. Moors and B. Landfeldt, Journal of Interconnection Networks, Vol. 10, no. 4 (2009) pp. 515-532
- “Towards the Formation of Comprehensive SLAs between Heterogeneous Wireless DiffServ Domains”, M. Iftikhar, B. Landfeldt and M. Caglar, Springer Telecommunication Systems special issue on Wireless networks Modeling, vol. 42, issue 3-4, December 2009.
- “Prolonging the System Lifetime and Equalizing the Energy for Heterogeneous Sensor Networks Using RETT Protocol”, K. Matrouk and B. Landfeldt, International Journal of Sensor Networks, vol. 6, no. 2, 2009.

Dr. Björn Landfeldt Professor
 Electrical and Information Technology
 Lund University
 Email: bjorn.landfeldt@eit.lth.se

- “RETT-gen: A globally efficient routing protocol for wireless sensor networks by equalising sensor energy and avoiding energy holes”, K. Matrouk and B. Landfeldt, Elsevier Journal on AdHoc Networks, Vol.7 no. 3, May 2009, pp. 514-536.
- “Weighted Channel Allocation and Power Control for Self-Configurable Infrastructure WLANs”, S. Manitpornsut and B. Landfeldt, Journal of Interconnection Networks, Vol. 9, No. 3 2008, pp. 299-316.
- “A Cooperative Game Framework for QoS Guided Job Allocation Schemes in Grids”, R. Subrata, A. Y. Zomaya and B. Landfeldt, IEEE Transactions of Computers, vol. 57 no. 10, 2008, pp. 1413-1422.
- “Monitoring Assisted Robust Routing in Wireless Mesh Networks” Z. R. Zaidi and B. Landfeldt, ACM/Springer Mobile Networks and Applications (MONET), vol.13, issue 1-2, April 2008, pp. 54-66.
- “On the Scalability of Addressing in Private Networks Using RPX”, S. Rattananon, Z.G. Zhou, B. Landfeldt and A. Seneviratne, CISC/IEEE Journal of Communications Software and Systems, vol. 3, no. 4, 2008.
- “Multiclass G/M/1 Queueing System with Self-Similar Input and Non-Preemptive Priority”, M. Iftikhar, M. Caglar and B. Landfeldt, Journal of Computer Communications, vol. 31, issue 5, 2008, pp. 1012-1027.
- “Directed Computer Science Communiqués: A comparative study in implicit group messaging approaches”, D. Cutting, B. Landfeldt and A. Quigley, Journal of Computer Communications Special issue on Foundation of Peer-to-Peer Computing, Vol. 31 (3), 2008, pp. 437-451.
- “Special interest messaging: A Comparison of IGM Approaches”, D. Cutting, A. Quigley and B. Landfeldt, The Computer Journal, Oxford Press, Published online December 2007, DOI 10.1093/comjnl/bxm076.
- “Trust-Based Fast Authentication for Multiowner Wireless Networks”, J. Hassan, H. Sirisena, B. Landfeldt, IEEE Transactions on Mobile Computing, vol. 7, no. 2, 2008, pp. 247-261.
- “Experiences in Deploying a Wireless Mesh Network Testbed for Traffic Control”, Z. Wang, K.Lan, R. Berriman, T. Moors, M. Hassan, L. Libman, M. Ott, B. Landfeldt, Z. R. Zaidi and A. Seneviratne, ACM SIGCOMM Computer Communications Review, vol. 37 (5), 2007, pp. 17-28.
- “A Game Theoretic Approach for Load Balancing in Computational Grids”, R. Subrata, A. Zomaya and B. Landfeldt, IEEE Transactions on Parallel and Distributed Systems, vol. 19, no. 2, 2007, pp 1-11.

- “Artificial Life Techniques for Load Balancing in Computational Grids”, R. Subrata, A. Zomaya and B. Landfeldt, Elsevier Journal of Computer Sciences and Systems Special Issue on Network Based Computing, vol. 73, Issue 8, 2007, pp. 1176–1190.
- “Enhancements of the Modified PCF in IEEE 802.11 WLANs”, A. Kanjanavapastit and B. Landfeldt, KICS/IEEE Journal of Communications and Networks, vol 7, no. 3, 2005, pp. 313-224.
- “A Performance Investigation of the Modified PCF with Priority Scheme”, A. Kanjanavapastit and B. Landfeldt, ECTI Transactions on Electrical Engineering, Electronics and Communications, vol. 3, no. 1, 2005, pp 2-9.
- “Context Aware Invisible Interfaces”, B. Landfeldt, J. Kay, R. Kummerfeld, A. Quigley, D. West, T. Apted and G. Sinclair, IEEE Pervasive Computing, Work In Progress, Special Issue on Pervasive Computing for Successful Aging, Vol. 3, no. 2, 2004, pp. 49.
- “MARCH: a distributed content adaptation architecture”, S. Ardon, P. Gunningberg, B. Landfeldt, Y. Ismailov, M. Portmann, A. Seneviratne, Wiley International Journal of Communication Systems special issue on Wireless Access to the Global Internet: Mobile Radio Networks and Satellite Systems, vol. 16, issue 1, 2003, pp. 97-115.
- “Providing Scalable and Deployable Addressing in Third Generation Cellular Networks”, B. Landfeldt, S. Rattananon and A. Seneviratne, IEEE Wireless Communications, vol.10, no.1, 2003, pp36-42.
- “A Home-Proxy Based Wireless Internet Framework in Supporting Mobility and Roaming of Real-Time Services”, J. Chan, B. Landfeldt, R. Liu, A. Seneviratne, IEICE Transactions on Communications, Special Issue on Mobile Multimedia Communications, E84-B(4), 2001, pp.873-884.
- “The Challenges of Provisioning Real-Time Services in Wireless Internet”, J. Chan, B. Landfeldt and A. Seneviratne, Telecommunications Journal of Australia, Volume 50 No. 3 Spring 2000, pp.37-52
- “Network Performance Monitoring for Applications Using EXPAND”, B. Landfeldt, A. Seneviratne, P. Gunningberg, B. Melander, MUT Engineering Transactions, Vol. 2 No. 3 1999.
- “Managing Application Level QoS Through TOMTEN”, R. De Silva, B. Landfeldt, A. Seneviratne, C. Diot, Elsevier International Journal on Computer Networks Special Issue on High Performance Protocol Architectures Vol. 31 No. 7, 1999, pp. 727-739.

Conference Publications:

Dr. Björn Landfeldt Professor
 Electrical and Information Technology
 Lund University
 Email: bjorn.landfeldt@eit.lth.se

- “On Road Network Utility Based on Risk-Aware Link Choice”, E. Fitzgerald and B. Landfeldt, IEEE Intelligent Transport Systems Conference (ITSC), The Hague, Netherlands October 2013
- “Trading Accuracy and Resource Usage in Highly Dynamic Vehicular Networks”, E. Fitzgerald and B. Landfeldt, IEEE Intelligent Transport Systems Conference (ITSC), The Hague, Netherlands October 2013
- “The Implementation of Novel Idea of Translation Matrix to Maintain QoS for a Roaming User Between Heterogeneous 4G Wireless Networks”, M. Iftikhar, M. Zuair, A. Rahal, M. Rahal, J. Taheri, A. Zomaya and B. Landfeldt, in Proc. IEEE P2MNET, Clearwater, FL; USA, October 2012.
- “A Social Node Model for Realising Information Dissemination Strategies in Delay Tolerant Networks”, S. Bastani, B. Landfeldt, C. Rohner and P. Gunningberg, In Proc. ACM MSWIM 2012, Paphos, Cyprus Oct. 2012.
- “A System for Coupled Road Traffic Utility Maximisation and Risk Management Using VANET”, E. Fitzgerald and B. Landfeldt, In Proc IEEE ITSC, Anchorage, USA, Sept. 2012
- “Interference-Aware Geocasting for VANET”, Q. Tse and B. Landfeldt, VTP 2012, In Proc. IEEE WoWMoM 2012.
- “On the Reliability of Safety Message Broadcast in Urban Vehicular Ad hoc Networks”, S. Bastani, B. Landfeldt and L. Libman, in Proc. ACM MSWIM, Miami, FL, USA, October 2011.
- “A Traffic Density Model for Radio Overlapping in Urban Vehicular Ad Hoc Networks”, S. Bastani, B. Landfeldt and L. Libman, in Proc. IEEE LCN 2011, October 2011.
- "Privacy preserving neighborhood awareness in vehicular ad hoc networks", Osama Abumansoor, Azzedine Boukerche, Bjorn Landfeldt, Samer Samarah, Proceedings of the 7th ACM symposium on QoS and security for wireless and mobile networks, Miami FL, USA October 2011.
- “Reducing Handoff Latency for WiMAX Networks using Mobility Patterns”, Z. Zhang, A. Boukerche and B. Landfeldt, IEEE WCNC, Sydney Australia, April 18-21 2010
- “Efficient Channel Assignment Algorithms for Infrastructure WLANs Under Dense Deployment”, S. Manitpornsut, B. Landfeldt and A. Boukerche, ACM MSWIM, Tenerife Spain, October 2009.
- Performance Evaluation of Opportunistic temporal-Pairing Access Network (OPAN), L Wu, R, Hsieh and B. Landfeldt, Chinacom 2009, Xi’An, China, Aug. 26-28 2009 .
- “The Problem of Placing Mobility Anchor Points in Wireless Mesh Networks”, L. Wu and B. Landfeldt, ACM MobiWac, Vancouver, Canada, October 2008.

Dr. Björn Landfeldt Professor
 Electrical and Information Technology
 Lund University
 Email: bjorn.landfeldt@eit.lth.se

- “Interarrival time distribution for a non-Markovian arrival process”, M.Caglar, M. Iftikhar and B. Landfeldt, in Proc. Association of European Operational Research Societies (EURO) Working Group on Stochastic Modeling, Istanbul, Turkey June 2008.
- “Detection and identification of anomalies in wireless mesh networks using Principal Component Analysis (PCA)”, S. Hakami, Z. R. Zaidi, B. Landfeldt and T. Moors. in Proc. ISPAN, Sydney, Australia, 2008, **Invited paper**.
- "Monitoring assisted robust routing in wireless mesh networks", Z. R. Zaidi and B. Landfeldt, in Proc. IEEE/ACM MASS, Pisa, Italy, October, 2007.
- “Traffic Engineering and QoS Control between Wireless DiffServ domains using PQ and LLQ”, M. Iftikhar, M. Caglar, B. Landfeldt and T. Singh, ACM MobiWac, in Proc. ACM MSWIM, Chania, Crete, October 2007.
- “Multiclass G/M/1 queueing system with self-similar input and non-preemptive priority”, M. Caglar, M. Iftikhar, B. Landfeldt and T. Singh, in Proc. APS Informs, Eindhoven Netherlands, July 2007.
- “Implementation of a Wireless Mesh Network Testbed for Traffic Control”, K. Lan, Z. Wang, R. Berriman, T. Moors, M. Hassan, L. Libman, M. Ott, B. Landfeldt, Z. R. Zaidi A. Seneviratne and D. Quail, IEEE WiMAN 2007, in Proc. ICCCN, Honolulu, USA, August 2007.
- “Dynamically Re-configurable Transport Protocols for Low-End Sensors in Wireless Networks”, K. Premadasa and B. Landfeldt, in Proc. IEEE CNSR, pp. 63-70, Fredericton Canada, May 2007.
- “On the problem of placing Mobility Anchor Points in Wireless Mesh Networks”, L. Wu and B. Landfeldt, in Proc. IEEE Opcom, Berlin Germany, September 2006.
- “An Analytical Model Based on G/M/1 with Self-Similar Input to Provide End-to-End QoS in 3G Networks”, M. Iftikhar, M. Caglar and B. Landfeldt, ACM MobiWac, in Proc. ACM MSWIM, Malaga Spain, October 2006.
- “Multiclass G/M/1 Queueing System with Self-Similar Input and Non-Preemptive Priority”, M. Iftikhar, B. Landfeldt and M. Caglar, in Proc. IEEE ICI, Tashkent, Uzbeistan, September 2006.
- “Implicit group messaging over peer-to-peer networks”, D.Cutting, B. Landfeldt and A. Quigley, in Proc. IEEE P2P pp. 125-132, Cambridge England October 2006.
- “Equalising sensor energy and maximizing sensor network lifespan using RETT”, in Proc. ALGOSENSORS, LNCS, Vol. 4240, pp. 200-207, Springer Verlag 2006.

- “The long Interesting Tail of indie TV”, D. Cutting, B. Landfeldt and A. Quigley, CTSB Workshop, in. Proc. PERVASIVE, Dublin, Ireland, May 2006 **Invited Paper**.
- “Titan: A New Paradigm in Wireless Internet Access based on Community Collaboration”, B. Landfeldt, J. Hassan, A. Y. Zomaya, S. Manitpornsut and R. Subrata, in Proc. ACM IWCMC, Vancouver, Canada, July 2006.
- “On the Performance of IEEE 802.11 QoS Mechanisms under Spectrum Competition”, S. Manitpornsut and B. Landfeldt, in Proc. ACM IWCMC pp. 719-724, Vancouver, Canada, July 2006.
- “Fast Authentication in a Collaborative Wireless Access Network”, J. Hassan and B. Landfeldt, in Proc. IEEE ICC, Istanbul, Turkey, June 2006.
- “Mobility Support in Private Networks Using RPX”, S. Rattananon, B. Landfeldt and A. Seneviratne, in Proc. IEEE LCN pp. 729-739, Sydney, Australia, November 2005.
- “An Elaboration on Dynamically Re-Configurable Communication Protocols using Key Identifiers”, K. Premadasa and B. Landfeldt, HPCC, LNCS 3726, pp 33-44, ISSN 0302-9743, Springer Verlag 2005.
- “Dynamically Re-Configurable Communication Protocols using Key Identifiers”, K. Premadasa and B. Landfeldt, in proc. IEEE / ACM MOBIQUITOUS, San Diego, USA, July 2005.
- “Energy-Conservation Clustering Protocol based on Heat Conductivity for Wireless Sensor Networks”, K. Matrouk and B. Landfeldt, in Proc. IEEE ISSNIP 2004, Melbourne, Australia, December 2004.
- “A Dynamic Location Management Scheme based on individual metrics and coordinates”, B. Landfeldt and N. Kolodziej, in Proc. IEEE WITSP04, Adelaide, Australia, December 2004.
- “A Method and System for Consolidating Multimedia Object Management in Heterogeneous Media Systems”, B. Landfeldt, in Proc. IEEE SympoTIC04, Bratislava, October 2004.
- “An Investigation of the Modified PCF under Hidden Station Problem”, A.Kanjanavapastit and B. Landfeldt., in Proc. IEEE ICCAS04, Chengdu, China, July 2004.
- "Invisible Interfaces: From pen & paper to shared table interaction", Aaron Quigley, David West, Trent Apted, Bjorn Landfeldt, in Proc. ACM Workshop on Invisible & Transparent Interfaces, Advanced Visual Interfaces, Gallipoli, Italy, May 2004.
- "A task-based approach to data and context management in a virtual personal server space", A. Quigley, B. Landfeldt and D. West, in Proc. Second International Conference on Pervasive Computing, PERVASIVE, Vienna, April 2004.

Dr. Björn Landfeldt Professor
 Electrical and Information Technology
 Lund University
 Email: bjorn.landfeldt@eit.lth.se

- “ICMP Translation within REBEKAH-IP”, S. Rattananon, R. Chan, B. Landfeldt and A. Seneviratne, in Proc. IEEE ICCAS, Chengdu, China, July 2004.
- “CALTO, a Self-Sufficient Presence System for Autonomous Networks”, A. Dang and B. Landfeldt, in Proc. IEEE WITSP, Coolangatta Australia, 2003.
- “An Analysis of a Modified Point Coordination Function in IEEE 802.11 Wireless LAN”, A. Kanjanavapastit and B. Landfeldt, in Proc. IEEE / IEICE PIMRC, Beijing China, 2003.
- “Extending REBEKAH-IP with Central Port Allocations for Un-Ambiguous IPv4 Address Expansion”, S. Rattananon, B. Landfeldt and A. Seneviratne, in Proc. IEEE ICON, Sydney Australia, September 2003.
- “A Modified Point Coordination Function (Modified PCF) in IEEE 802.11 Wireless LAN”, A. Kanjanavapastit and B. Landfeldt, in Proc. IEEE ICON, Sydney Australia, September 2003.
- “Expanding the Address space through REBEKAH-IP: An Architectural View”, B. Landfeldt, S. Rattananon and A. Seneviratne, in Proc. IEEE ICITA Bathurst, Australia, Nov. 2002.
- “Service Discovery for Adaptive Network Framework Based on ISP Location”, P. Sookavatana, B. Landfeldt, A. Seneviratne, in Proc. IEEE ICON, Bangkok, Thailand, September 2001.
- “A Measurement architecture for Adaptive Network Environments” P. Sookavatana, A. Seneviratne, B. Landfeldt, in Proc. IEEE ICON, Bangkok, Thailand, September 2001.
- “Mobile Aware Server Architecture: A Distributed Proxy Architecture for Content Adaptation and Service Enhancement”, S. Ardon, P. Gunningberg, Y. Ismailov, B. Landfeldt, M. Portmann, A. Seneviratne and B. Thai, in Proc. ISOC INET, Stockholm, Sweden, June 2001.
- “Integrating Mobility Prediction and Resource Pre-Allocation into a Home-Proxy Based Wireless Internet Framework”, J. Chan, B. Landfeldt, A. Seneviratne, P. Sookavatana, in Proc. IEEE ICON, Singapore September 2000.
- “The Case for a Hybrid Passive/Active Network Monitoring Scheme in the Wireless Internet”, B. Landfeldt, P. Sookavatana, A. Seneviratne, in Proc. IEEE ICON, Singapore September 2000.
- “Resource Reservation in a Reactive QoS Scheme” S. Ardon, C. Diot, B. Landfeldt, A. Seneviratne, in Proc. IEEE GLOBECOM, Rio de Janeiro, Brazil, November 1999.

- “SLM, a Framework for Session Layer Mobility Management”, B. Landfeldt, T. Larsson, Y. Ismailov and A. Seneviratne, in Proc. IEEE ICCCN, Boston, USA, October 1999.
- “Total Management of Transmissions for the End User” R. De Silva, B. Landfeldt, A. Seneviratne, C. Diot, in Proc. HIPPARCH 98, London, England, June 1998.
- “User Services Assistant: an End-to-End Reactive QoS Architecture”, B. Landfeldt, A. Seneviratne, C. Diot, in Proc. IEEE IWQOS 98 Napa, California May 1998.

Technical Reports:

- “Feasibility Study of ISP Level Content Filtering”, L. Collins, P. Love, B. Landfeldt and P. Coroneos, Report to the Australian Government, Department of Broadband, Communications and the Digital Economy, February 2008.
- M. Iftikhar and B. Landfeldt, “Markov Chain Formulation of G/M/1 Queueing System with Multiple Classes of Self-Similar Input on the basis of PQ, CQ and LLQ Service Disciplines, Technical Report Submitted, November 2007, School of IT, University of Sydney
- “SPICE: Implicit Group Messaging on ICE”, D. Cutting, B. Landfeldt and A. Quigley, School of IT Technical Report- 618, August 2007.
- “ICE: A Tesseral P2P Substrate”, D. Cutting, B. Landfeldt and A. Quigley, School of IT Technical Report- 617, August 2007.
- “A Formal Basis of Implicit Group Messaging”, D. Cutting, B. Landfeldt and A. Quigley, School of IT Technical Report- 616, August 2007.
- “Implicit Group Messaging in Peer-to-Peer Networks”, D. Cutting, B. Landfeldt and A. Quigley, School of IT Technical Report - 583, January 2006.
- “Titan: A New Paradigm in Wireless Internet Access based on Community Collaboration”, B. Landfeldt, J. Hassan, A. Zomaya, D. Everitt, T. Viglas, S. Selvadurai, B. Scholz, B. Zhou, School of IT Technical report – 578, December 2005.
- “Interaction between QoS, Mobility and Security in IP Networks”, P. Elmdahl, A. Eriksson A. Jonsson, B. Jonsson, B. Landfeldt, G. Leijonhufvud, B. Ohlman, L. Westberg, Ericsson Research Technical report, March 2001
- “A Survey and Proposals for IP Connectivity Using NAT in Mobile Networks”, B. Landfeldt and Y. Ismailov, Ericsson Technical Report September 2001.

Patents:

Dr. Björn Landfeldt Professor
 Electrical and Information Technology
 Lund University
 Email: bjorn.landfeldt@eit.lth.se

- “User Location Services for the Internet”, Y. Ismailov, T. Larsson, B. Landfeldt, Worldwide, US no. 6,456,603, EU no AU200130651
- “A Method and System for Providing Streaming Services in a Mobile Communication Network”, B. Landfeldt, Sweden, SE 200103010.
- “Creating Distributed Proxy Configurations”, B. Landfeldt, A. Seneviratne, P. Gunningberg, S. Ardon, M. Portmann, US no. 7,200,679
- “Accessing Distributed Proxy Configurations”, B. Landfeldt, A. Seneviratne, P. Gunningberg, S. Ardon, M. Portmann, Patent numbers: WO200284972-A; WO200284972-A2; US2002156841-A1; AU2002246477-A1
- “Method and Apparatus for Auto-Configuration for Optimal Multimedia Performance”, B. Landfeldt and J. Holler, US no. 7,158,788
- “Verfahren und Vorrichtung für eine Autokonfiguration für optimale Multimedialeistung”, B. Landfeldt and J. Holler, DE 10297351
- “Method and system for enabling connections into networks with local address realms”, B. Volz, G. Chambert, M. Körling, B. Landfeldt and Y. Ismailov. US patent no 60/370,812.,
- “Mechanismen zum Bereitstellen von Verbindbarkeit zwischen Netzen unterschiedlicher Adressbereiche”, B. Volz, G. Chambert, M. Körling, B. Landfeldt and Y. Ismailov DE10392494
- “A System for Self-Description of Multimedia”, B. Landfeldt and P. Bisroev, Provisional Australia 2002953487.
- “Method and System for Enabling Communications Into Networks with Local Address Realms”, B. Landfeldt and A. Seneviratne, AU 2003230768
- “Method and System for centrally allocating addresses and port numbers”, B. Landfeldt and A. Seneviratne, US 20060259625
- “Methods and Systems for Facilitating Secure Communication”, J. Hassan and B. Landfeldt, Provisional patent filed 2005, 2005905258 and 2005906429
- “Creating Distributed Proxy Configurations”, B. Landfeldt et al., US patent no. US 7,200,679 B2
- “A System and Method for Improving Throughput in a Network Device”, B. Landfeldt and G. Armitage, provisional patent filed in Australian May 2007, 200763609.
- “A System and Method for Reducing Interference in a Network”, S. Manitpornsut and B. Landfeldt, Australian Provisional Patent filed May 2007.

Dr. Björn Landfeldt Professor
 Electrical and Information Technology
 Lund University
 Email: bjorn.landfeldt@eit.lth.se

Invited and Plenary Talks

- “WLAN- Still little Understood and Harnessed”, Keynote IEEE JCSSE, Bangkok Thailand, June 1 2012.
- “Dealing with Chaotic Wireless Networks”, Swedish Institute for Computer Science, Invited talk October 18, 2010.
- “Collaborative Configuration of Wireless Networks”, Uppsala University UPMARC Seminar series invited talk, October 7, 2010. Also Karlstad University, October 4, 2010.
- “Research in Vehicular Systems using Computation, Computation, Computation”, Linköping University invited talk, September 28, 2010.
- “Why Speed Limits are SO Old-School”, TEDx Tasmania, June 18, 2010, Keynote
- “The Opportunity to Minimise Road Traffic Congestion using Computation, Computation, Computation”, ACS Frontiers in Computing research, Australian Computer Society, April 13, 2010.
- “Can we Trust the Australian Government with the Implementation of Internet Content Filters; or do We Need to Ask Hard Questions?”, invited talk CSIRO, Marsfield, Australia, June 2009.
- “Statistical Vehicular Routing”, Smart Transport Conference, Stamford Hotel, Brisbane, plenary talk, April 23 2009.
- “The Computational Transport Revolution”, Warren Centre Governors’ lunch, Royal Sydney Yacht Squadron Kirribilli, April 15 2009
- “Emerging Research in Wireless Networking”, keynote, Questnet 2007, Cairns Australia, July 2007.
- “Mesh Networking for Mission Critical Applications”, plenary talk at Fleet Mobile Integrated Comms 2007, Sydney Australia May 2007.
- “Collaborative Networking Taking on the World”, plenary talk at Wireless World 2007, Sydney Australia March 2007.
- “Inspired by Physics: Routing based on heat flux”, plenary talk ISSNIP Workshop on Sensor Networks in Biomedicine, Sydney, November 2006.
- “Maximising Sensor Network Lifespan Based on Power Equalisation”, Invited seminar School of Computer Science Engineering UNSW November 2006.
- “Nightingale – using Distributed Data Management and Natural Interfaces in Gerontechnology”, USYD ICT showcase, August 2004.

Dr. Björn Landfeldt Professor
Electrical and Information Technology
Lund University
Email: bjorn.landfeldt@eit.lth.se

- “Expanding the Wireless Coverage: Going Multi-access”, plenary talk at Wireless Local Area Networks Conference, Sydney February 2002.
- “QoS Management in heterogeneous networking environments. A presentation of TOMTEN”, Department of Computer Science Seminar Series, Uppsala University, Jan 1999.
- “Reactive QoS Management in Heterogeneous Networks”, INRIA, Sophia Antipolis, Jan 1998.

Press coverage

- “Seeing seniors cyber-safe and sound”, The Canberra Times, 2011-11-29, <http://www.canberratimes.com.au/news/local/news/general/seeing-seniors-cybersafe-and-sound/2374234.aspx>
- “Internet censorship machine quietly revs up”, Sydney Morning Herald 2011-07-20, <http://www.smh.com.au/technology/technology-news/internet-censorship-machine-quietly-revs-up-20110720-1ho0y.html>
- “Talkback: Internet Rules”, ABC Radio National Life matters, 2011-02-04, <http://www.abc.net.au/rn/lifematters/stories/2011/3129196.htm>
- “Global Net Crackdown to Shatter Utopian Internet: Experts”, Sydney Morning Herald, 2011-02-04, <http://www.smh.com.au/technology/technology-news/global-net-crackdown-to-shatter-utopian-internet-experts-20110204-1ag3i.html>
- “Conroy's net filter still alive and kicking”, Sydney Morning Herald 2010-09-10, <http://www.smh.com.au/technology/technology-news/conroys-net-filter-still-alive-and-kicking-20100910-1540s.html>
- “Conflicting signals from Coalition on broadband”, The Sydney Morning Herald, 2010-08-23, <http://www.smh.com.au/technology/technology-news/conflicting-signals-from-coalition-on-broadband-20100823-13ejm.html>
- “Interview on the US Protecting Cyberspace as a National Asset Act of 2010”, RTRFm morning show, 2010-06-29 9.30 am
- “Kas interneti saaks välja lülitada?”, Delfi- Estonia, 2010-06-22, <http://www.delfi.ee/news/paevauudised/eeesti/kas-interneti-saaks-valja-lulitada.d?id=31824683>
- “Obama internet 'kill switch' proposed”, Sydney Morning Herald, The Melbourne Age and the Brisbane Times, 2010-06-18, <http://www.smh.com.au/technology/technology-news/obama-internet-kill-switch-proposed-20100618-yln6.html?autostart=1>
- “Sun sets on Iemma's Wi-Fi plan”, Sydney Morning Herald, Brisbane Times, 2010-05-29, <http://www.brisbanetimes.com.au/technology/technology-news/sun-sets-on-iemmas-wifi-plan-20100528-wlds.html>
- “Conroy’s Experts Oppose Online Filter”, Australian Financial Review, 3 May 2010 pp. 54

- “Opt-in ISP-level Internet filter wasn't feasible: Academics”, Computer world, 29 April 2010, <http://www.computerworld.com.au/article/344796/opt-in-isplevel-internet-filter-wasn-t-feasible-academics/> also printed in Networkworld, http://www.networkworld.com/news/2010/042910-opt-in-isp-level-internet-filter-wasnt.html?source=nww_rss
- “Big ISPs to benefit from Mandatory Internet Filter: Academic”, Computerworld, 19 April 2010. <http://www.computerworld.com.au/article/343576/big-isps-benefit-from-mandatory-internet-filter-academic/>
- “Internet’s not special says communications minister”, Sydney Morning Herald, 1 April 2010, ”<http://www.smh.com.au/technology/technology-news/internets-not-special-says-communications-minister-20100401-rg7h.html?autostart=1>
- Interview on The CORE release and Google censoring on behalf of Australia, 2UE George and Paul show, Sydney 14/2 - 2010, 10.30 am.
- “Google Baulks at Conroy’s Call to Sensor Youtube”, The Sydney Morning Herald, 11/2 2010, <http://www.smh.com.au/technology/technology-news/google-baulks-at-conroys-call-to-censor-youtube-20100211-ntm0.html?autostart=1>
- Interview on ABC radio news on the CORE press release on filtering, 10/2 2010, 6.20 pm
- Interview on 2UE, Sydney, 19/12-2009, 1.30 pm
- Interview on the 3AW Drive Show, Melbourne, 17/12-2009 4.30 pm
- “Net Filters Thin Edge of the Wedge: Kirby”, Sydney Morning Herald, the Age, Brisbane Times, WA Today, 17/12-2009, <http://www.smh.com.au/technology/technology-news/net-filters-thin-end-of-the-wedge-kirby-20091217-kyeu.html?autostart=1>
- Interview on the 1116 4BC Drive show, Brisbane 16/12-2009, 6.05 pm.
- “Net censorship move a smokescreen: Expert”, Sydney Morning Herald, Brisbane Times, WA Today, Wotnews.com etc. 16/12-2009, <http://www.smh.com.au/technology/technology-news/net-censorship-move-a-smokescreen-expert-20091216-kw7d.html>
- “Internet Filter Laws Need Urgent Public Debate”, OpEd, National Times Australia, 16/12-2009, <http://www.nationaltimes.com.au/opinion/society-and-culture/internet-filter-laws-need-urgent-public-debate-20091216-kwdk.html>
- “On the delayed outcomes of the Internet filtering trials” Live Interview, the Leon Delaney Show, Radio 2SM and the Super Network (NSW and Queensland), 3/9-2009

Dr. Björn Landfeldt Professor
 Electrical and Information Technology
 Lund University
 Email: bjorn.landfeldt@eit.lth.se

- “Conroy urged to end net censorship farce”, Sydney Morning Herald, September 2, 2009, <http://www.smh.com.au/technology/technology-news/conroy-urged-to-end-net-censorship-farce-20090902-f7n3.html>
- “Expert: Smaller ISPs will feel bite of mandatory filter”, ARN, July 28 2009, http://www.arnnet.com.au/article/312536/expert_smaller_isps_will_feel_bite_mandatory_filter
- “China says Web access cut off due to riots”, the Inquirer July 7, 2009, http://services.inquirer.net/print/print.php?article_id=20090707-214343
- “Internet cut in Urumqi to quell violence: China”, Sino Daily, July 7 2009, <http://www.sinodaily.com/2006/090707121218.g8zh85o0.html>, reprinted in l’Express (France), http://www.lexpansion.com/economie/actualite-high-tech/pekin-bloque-partiellement-internet-aurumqi_189464.html,
- “Vives réactions du monde”, Le Temps (Switzerland), July 7, 2009, http://www.letemps.ch/Facet/print/Uuid/d07aff1e-6aba-11de-b24f-b14ca29302c5/Vives_réactions_du_monde
- “La Chine coupe partiellement les vannes d’internet pour contrôler le danger”, Wana (Morocco), July 7, 2009, <http://www.wana.ma/news/internationalplus1.php?idnews=140003>. Similar reprint (AFP) Indonesia, <http://www.ipotindonesia.com/news.php?page=detail&id=259253>
- “Internet body considers domain name expansion”, ABC Radio News, World today, June 24 12.50 pm, Radio interview and article <http://www.abc.net.au/news/stories/2009/06/24/2607581.htm>
- “The Internet Filter”, Good Game, ABC2 TV April 27 2009. http://www.abc.net.au/tv/goodgame/video/default.htm?pres=20090427_2030&story=6
- “Seoul: Tech Capital of the World”, The Seoul Times, April 25 2009, <http://theseoultimes.com/ST/?url=/ST/db/read.php?idx=5439>
- “Do we simply accept the Australian Internet filtering scheme or do we need to ask hard questions?”, Video Recording, Australian Financial Review 14 April 2009, <http://www.misaaustralia.com/multimedia/leadership.aspx?vidID=6260&catID=1&subCatID=0>
- “On Australian Internet Filtering”, Dutch National News, Channel RTL, April 2009, http://www.rtl.nl/components/actueel/rtlnieuws/miMedia/2009/week14/za_1930_internetfilter.avi_plain.xml
- “Internetfilter is zo 18de-eeuws”, de Volkskrant, Netherlands, April 7 2009, page 4.

- “On the pullout of iiNet and filtering process” ABC radio news, Tuesday 24 March 2009 14.45pm.
- “iiNet pulls out of net censorship trials”, The Sydney Morning Herald, March 23, 2009.
- “ABC Triple J Radio, hack, March 19, 2009, Radio interview comments on consequences of the leaked ACMA blacklist.
- “Leaked Australian Blacklist Reveals Banned Sites”, The Sydney Morning Herald, March 19 2009, Also The Melbourne Age, the Brisbane Times, the Canberra Times and WA Today.
- “Web Blacklist Leak Outcry”, The Sydney Morning Herald, March 19 2009, Also The Melbourne Age, the Brisbane Times and WA Today.
- “Conroy’s Clean feed”, Interview on ABC Radio National, Background briefing, March 15 2009.
- ABC Tripple J radio, hack February 12, 2009, Radio interview on The live trials on Internet content filtering.
- “Labour’s ‘deafening silence’ as web censorship trials delayed”, The Sydney Morning Herald, January 30 2009, Also the Brisbane Times.
- “Government rejects negative Internet filter report”, The Courier Mail, Brisbane, December 23, 2008.
- “Fatal flaws in website censorship plan, says report”, The Sydney Morning Herald, December 23, 2008 pp. 1-2. Also The Melbourne Age, Brisbane Times, the Canberra Times and WA Today.
- “Tech capitals of the world”, The Sydney Morning Herald June 18 2007 and The Age Melbourne, June 18 2007. Also printed as Seoul e-government press release: http://english.seoul.go.kr/government/news/press/1246402_12148.html
- “Free beer and Wi-Fi”, The Sydney Morning Herald and The Age Melbourne, Next Technology Supplement, Tuesday 3 April 2007.
- “WI-FI Persists with Steady Evolution” CRN Magazine, 19/02/2007, Cover Feature pp. 24-30. Also printed on AirStream “<http://www.air-stream.org.au/aggregator?page=66> 18 May 2007” and Net stumbler, <http://www.netstumbler.com/category/standards/> 25 May 2007.
- “Creating the Wireless City”, Government News, September 2006, pp. 29.
- “The changing face of telecommunications”, ABC radio, Triple J. Friday 8 Dec 2006.

STUDENTS

Ph.D. Supervision (principal supervisor)

Saeed Bastani

Jianan Liu

Antonio Franco

Alumni

Ph.D. (principal supervisor)

Emma Fitzgerald (University of Sydney)

Suparek Manitpornsut (University of Thai Chamber of Commerce)

Mohsin Iftikhar, (NICTA, Best scientific contribution, Engineering and IT research conversazione 2006, Best project Networks and Systems Engineering and IT research conversazione 2007, Endeavour post doctoral fellow 2008.)

Apichan Kanjanavapastit (Mahanakorn University)

Sanchai Rattananon (University of Thai Chamber of Commerce)

Kaushalya Premadasa (Accenture)

Khaled Matrouk (Research Conversazione prize 2005 for Next Generation Application in IT, Mahan University, Jordan)

Daniel Cutting (Nominated for Australian Computer Society distinguished dissertation of the year, now London)

Honours

David Helstroom (H1, Conversazione prize for best thesis in networks and systems 2007, now with Google Mountainview, CA)

Ezequiel Muns (H1)

Yuri Tselishchev (H1, PhD NICTA)

James Cowling (USYD Medal of Convocation, Alan Bromley Prize, Soprano prize, Fullbright Scholar, USYD University Medal, PhD MIT)

Peter Bisroev (Sensory Networks, H1)

Hossam Mourad

Anthony Dang (H1)

Tejeshwar Singh (Now with Microsoft, Redmont, H1)

Natalie Kolodziej (Singtel prize for best Telecom project Research conversazione 2004, H1, now with Telstra)

VISITING RESEARCH

Uppsala University, Sweden

July-Oct 2010

Dr. Björn Landfeldt Professor
Electrical and Information Technology
Lund University
Email: bjorn.landfeldt@eit.lth.se

Visiting professor, WISENET lab

Uppsala University, Sweden Nov-Dec 1999

Work on the development of a framework for application supportive network monitoring in collaboration with Uppsala researchers.

Ericsson Radio Systems AB, Sweden

Research within IP Mobility Management and service platforms for 3G networks 1998 – 1999

INRIA Research Institute, Sophia Antipolis, France

Nov-Dec 1998

At INRIA I studied how resource reservations can be integrated into user centric QoS management in project RODEO.

INDUSTRIAL WORK EXPERIENCE

Ericsson Transport Network Systems, Sweden

Fault location and testing of network surveillance equipment (FMAS). 1993

Landfeldt Data Konsult, Sweden.

Self-employed network consulting. Development of strategies and applications for Wireless sales and service POS applications 1995

Ericsson Radio Systems AB, Sweden

Research within TCP behaviour over GSM 1997

Ericsson Research AB, Sweden

Research within IP Mobility, Cellular Service Platforms and Wireless Technology Bridging for the mobile Internet 2000 – 2001

ACADEMIC WORK EXPERIENCE

University of Technology Sydney

Lecturing: Communications Networks 1997

JAVA programming introduction (short course) 1998

Future networks, an overview (short course) 1998

Tutoring: Communications Networks 1998

Integrated Services Networks 1998

Introduction to EE 1998

The University of New South Wales

Tutoring: Computer Networks 1999

Lab. Exercises construction Advanced Networks 1999

Dr. Björn Landfeldt Professor
Electrical and Information Technology
Lund University
Email: bjorn.landfeldt@eit.lth.se

The University of Sydney

Senior Lecturer 2001 - 2009

Associate Professor 2009 -2012

Development of a curriculum for a new Internet Engineering stream within telecommunications. Sponsored by CISCO. 2001-2002

Courses developed and taught:

NETS 3007 Network Protocols

NETS 3303 Networked Protocols and Programming

COMP 5116 Internet Protocols

ELEC 5501 Advanced Data Networks

ELEC 3504 Data Communications and the Internet

ELEC 3604 Internet Engineering

Other courses taught

NETS2150 Fundamentals of Networking

COMP5416 Advanced Communication Networks

OTHER ACADEMIC WORK

Editing

Journal of Pervasive Computing and Communications (JPCC)
Trobadour Publishing (Associate Editor 2004-2012).

Journal of Computers (JCP, ISSN 1796-203X), Academy Publisher
(Associate Editor 2006-)

Elsevier Computer Communication, "Special section on Wireless
Network Behaviour and Design", vol. 35, no. 18, 2012 (Guest Editor)

Elsevier Journal on Parallel and Distributed Systems (JPDC), Special
issue on Performance Modelling of Mobile and Wireless Networks,
vol. 71 issue 9, (Guest Editor)

Elsevier International Journal on Computer Communications, Special
issue on End-to-end Support over Heterogeneous Wired-Wireless
Networks, published in 2007 (Guest Editor)

Elsevier Journal on Parallel and Distributed Systems (JPDC), Special
issue on Performance, Artefacts and Solutions in Wireless Mesh
Networks published in 2007 (Guest Editor)

Elsevier International Journal on Computer Communications, Special
Issue on Recent Advances in QOS management, 2005 (Guest Editor).

Organising Committees

IEEE VTP 2012, General Co-Chair

ICAET 2010 Advisory board member

I-SPAN 2008, Local Organisation Chair

ACM MSWIM 2008, Tutorial Chair

ACM MSWIM 2013, General Chair

Technical Program Committee Chair ships

ACM MSWIM 2012

ACM MSWIM 2011

ACM International Symposium on Mobility Management and Wireless Access, MobiWac, Bodrum Turkey, Oct. 2010

ACS/IEEE International Conference on Computer Systems and Applications, AICCSA 2010 (Co-Chaired with Stephan Olariu)

IEEE ICCCN Symposium on Network Architectures and Protocols (Co-Chaired with Joe Touch) San Francisco, USA 2009

ACM International Symposium on Mobility Management and Wireless Access, MobiWac, Teneriffe, Canary Islands, 2009.

IEEE ICCCN Symposium on Protocols and Algorithms for Wireless Networks, (Co-chaired with Lavy Libman) Virgin Islands, USA, 2008

ACM International Symposium on Mobility Management and Wireless Access, MobiWac, Vancouver, Canada, 2008.

ACORN Workshop on Multihop Wireless Networks, Adelaide, Australia, 2007

IEEE International Conference on Networking – ICON, (Co-chaired with Tim Moors) Sydney, Australia, 2003

Technical Program Committee Memberships

IEEE ITS 2013

iThings 2013

IEEE WCNC 2011

IEEE ICC AHSN 2011

IEEE WIOPT 2011

IEEE WIOPT 2010

International Symposium on Smart Home, SH 2010

IEEE WCNC 2010

IEEE VON 09

IEEE ICC 2009, Next Generation Networks symposium
IEEE and ACM FMN 2009
UIC 2009
International Workshop on Wireless Vehicular Networking
Technology (VINT-08)
ICISTM 2008
ACM MM2008 SAME
IEEE WLN 2008, part of IEEE LCN
IFIP International Conference on Embedded and Ubiquitous
Computing, EUC 2008
IEEE ICC 2008, Wireless Networks Symposium
The 5th ACM International Workshop on Mobility Management and
Wireless Access, MOBIWAC 2007.
IEEE International Workshop on Networking Technology for
Robotics and Applications, NETRA 2007
IEEE GLOBECOM 2007
IEEE ICC 2007 Communications QoS, Reliability and Performance
Modelling Symposium
International Workshop on Operator Assisted (Wireless Mesh)
Community Networks, OPCOMM 2006
The 4-th ACM International Workshop on
Mobility Management and Wireless Access, MOBIWAC 2006
4th IEEE International Conference on Pervasive Computer and
Communications - PERCOM 2006
IEEE GLOBECOM San Francisco, USA, 2006
IEEE ICC Symposium on Next Generation Mobile Networks,
Istanbul, Turkey, 2006
IEEE Vehicular Technology Conference - VTC-2006-Spring,
Melbourne, Australia, 2006
IEEE Wireless Communications and Networking Conference -
WCNC Las Vegas, USA, 2006
IEEE Workshop on Performance and Management of Wireless and
Mobile Networks at LCN, Sydney, Australia, 2005
2nd International Conference on E-Business and Telecommunication
Networks - ICETE Reading, UK, 2005
IEEE Wireless Communications and Networking Conference, WCNC
New Orleans, USA, 2005
IEEE International Conference on Communications - ICC Seoul,
Korea, 2005

IEEE International Conference on Communications - ICC,
Symposium on Next Generation Networks for Universal Services –
NGNUS, Seoul, Korea, 2005

IEEE International Conference on Wireless Networks,
Communications, and Mobile Computing, Wirelesscom – 2005, Next
Generation Networks and Communications, Hawaii, USA 2005

IADIS Applied Computing – AC 2005

IEEE GLOBECOM, St Louis, USA, 2005

IADIS Applied Computing - AC2004

IEEE, ACM & IEICE Workshop on TCP and wireless MAC, Setubal,
Portugal, 2004

Australian Telecommunications and Network Applications Conference
– ATNAC, Sydney, Australia, 2004

IEEE GLOBECOM, Dallas, USA, 2004

IEEE International Conference on Parallel Processing ICPP 2004

SPIE Conference on QoS, Boston USA 2003

IEEE International Conference on Networking ICON2001 Bangkok,
Thailand, 2001

Grant bodies

Foundation for Polish Science, Reviewer 2013

Hong Kong Research Grants Council, International Reviewer
2009-2010

ARC discovery grant application Intreader 2003-2009

Thesis examinations

Examiner of four PhD theses 2002-2003 (UTS, UNSW, USYD), One PhD thesis 2005 (UNSW), one PhD thesis 2008 (ENSICA Toulouse France), one PhD thesis 2009 (AIT Thailand) as well as Paris 6, France. PhD examination Lund CS 2012 and KTH EE 2013.

Examiner of one ME thesis 2002 (USYD) and two MIT theses 2005 (USYD), one ME thesis 2005 (UNSW) and one ME thesis 2006 (UNSW).

GRANTS AND INDUSTRIAL FUNDING

ARC grants

“Coping with Chaos: Towards Efficient and Robust Wireless Networks through Opportunistic Cooperation”, ARC Discovery Grant DP0987782, B. Landfeldt 2009-2011 \$210.000

“Mobile Device Auto-configuration”, ARC Discovery grant DP0452162, B. Landfeldt 2004-2006 \$165.000

“Dependable Distributed Enterprises and Services”, member of successful ARC networks project SR0354832, 2003 \$10.000

“C4”, ARC Linkage grant LP0349030, with Prof. Seneviratne 2004-2005 \$295.000

EU Funding

Pierre & Marie Curie IAPP grant FP7, “MeshWise” 2013-2016 €1.6M

Other Grants

“Networking Teaching Laboratory”, B. Landfeldt, USYD SESQUI Major Equipment Grant 2002 \$102.000

“C4”, Ericsson funded, with Prof. Seneviratne 2001-2003 \$400.000

“Data Grids”, CISCO funded, with Prof. Albert Zomaya 2003-2005 \$90.000

“Nightingale”, NICTA/SITCRC, with Dr. Aaron Quigley, Prof. Albert Zomaya, Prof. David Everitt and A/Prof. Judy Kay, 2003 \$1.6M

“Session-based Integrated Flow Management for the Internet”, School of IT small project grant 2003 \$6250

“A Storage Area Network for Grid Computing Research”, USYD SESQUI Major Equipment Grant 2003, A. Zomaya, D. Everitt, B.B. Zhou, B. Landfeldt, S. Selvakennedy, A. Quigley and S. Chawla \$110.000

“A mathematical approach to location management in cellular networks”, SESQUI research grant from USYD, 2003	\$15.000
“SN 05: Networking Infrastructure for Intelligent Environment”, SITCRC grant with Prof. Sanjay Jha and Prof. David Everitt, 2004	\$153.000
Concurrent Radio Channel Medium Access, USYD SESQUI funded 2005	\$20.000
“SN07-TITAN”, SITCRC/TELSTRA funded 2005-2006	\$464.000
“Starcomms”, NICTA funded project 2005-2007	~\$600.000
“Distributed Data Processing for Wireless Sensor Networks”, SUN Microsystems research grant (50) SUN spot nodes 2006	~\$25000
“A Graph Theoretical Approach to Cooperative Radio Resource Management”, USYD bridging grant 2007	\$50.000

SCHOLARSHIPS, MERITS AND AWARDS

Expert witness, Australian Parliament Joint Select Committee on Cyber-Safety	2011
External reviewer, Centre for Advanced Internet Architectures, Swinburne University	2010
Best Paper Award, ACM MobiWac Vancouver, Canada	2008
Ericsson Industrial PhD Scholarship	1997-2000
KTH international study scholarship	1996