

## Winnie Louis Lee

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CONTACT INFORMATION	School of Computer Science and Software Engineering The University of Western Australia 35 Stirling Highway Crawley, WA 6009, Australia	<i>Voice:</i> (618) 6488-3778 <i>Fax:</i> (618) 6488-1089 <i>E-mail:</i> winnie@csse.uwa.edu.au <i>WWW:</i> www.csse.uwa.edu.au/~winnie
RESEARCH INTERESTS	Distributed adaptive wireless sensor networks, network management in wireless sensor networks, energy-efficient and reactive TDMA-based protocols for wireless sensor networks.	
EDUCATION	<b>The University of Western Australia</b>	
	PhD candidate in the School of Computer Science and Software Engineering	<b>2004 - Present</b>
	BCM, First Class Honours in Information Technology Systems	<b>2000 - 2003</b>
HONORS AND AWARDS	Australian Postgraduate Award	<b>2004 - 2007</b>
	UWA CSSE Ad-Hoc scholarship	<b>2004 - 2007</b>
	UWAGA & Convocation Postgraduate Research Travel Award	<b>2007</b>
	PSA Conference Travel Award	<b>2006</b>
	USYD-EII Travel Award	<b>2006</b>
	ISSNIP and eScience Student Travel Award	<b>2005</b>
	The University of Western Australia: outstanding academic achievement in Software Quality and Measurement	<b>2003</b>
PUBLICATIONS	W. L. Lee, A. Datta, and R. Cardell-Oliver, FlexiMAC: A Flexible TDMA-based MAC Protocol for Fault-tolerant and Energy-efficient Wireless Sensor Networks, published in the <i>proceedings of the IEEE International Conference on Networks (ICON'06)</i> , Singapore, September 2006.	
	W. L. Lee, A. Datta, and R. Cardell-Oliver, A Novel Systematic Resource Transfer Method for Wireless Sensor Networks, published in the <i>proceedings of the IEEE Global Telecommunications Conference (GLOBECOM'06)</i> , San Francisco, USA, November 2006.	
	W. L. Lee, A. Datta, and R. Cardell-Oliver, FlexiTP: A Flexible-Schedule-Based TDMA protocol for Fault-Tolerant and Energy-Efficient Wireless Sensor Networks, to appear in <i>IEEE Transactions on Parallel and Distributed Systems</i> .	
	W. L. Lee, A. Datta, and R. Cardell-Oliver, Network Management in Wireless Sensor Networks, to appear in <i>Handbook on Mobile Ad Hoc and Pervasive Communications</i> , edited by M. K. Denko and L. T. Yang, American Scientific Publishers.	
PAPERS IN REVIEW	W. L. Lee, A. Datta, and R. Cardell-Oliver, On-Demand TDMA Slot Transfer for Supporting Adaptive Sensing in Wireless Sensor Networks.	
	W. L. Lee, A. Datta, and R. Cardell-Oliver, Peer-to-peer Multicast Overlay over TDMA Schedule for Reactive Wireless Sensor Networks.	

PROFESSIONAL SERVICE	Reviewer for: IEEE 65th Vehicular Technology Conference	<b>2006</b>
	Handbook on Mobile Ad Hoc and Pervasive Communications (American Scientific Publishers)	<b>2006</b>
	IEEE 49th GLOBECOM	<b>2006</b>
	IEEE Communications Letters	<b>2004</b>
WORK EXPERIENCE	<b>School of Computer Science &amp; Software Engineering, UWA</b>	<b>2004 - 2007</b>
	Tutor and lab demonstrator for Java Programming, Foundation of Information Technology, and Databases.	
	<b>School of Plant Biology, UWA</b>	<b>2005</b>
	Casual appointment (programmer).	
PROFESSIONAL DEVELOPMENTS	<b>School of Information Management and Marketing, UWA</b>	<b>2003</b>
	Tutor for Foundation of Electronic Commerce.	
	<b>PT Bukit Jaya Abadi, Indonesia</b>	<b>2002 - 2003</b>
	Database developer.	
PROFESSIONAL DEVELOPMENTS	<b>The 49<sup>th</sup> IEEE GLOBECOM Conference, San Francisco</b>	<b>2006</b>
	I presented a conference paper entitled "A Novel Systematic Resource Transfer Method for Wireless Sensor Networks".	
	<b>The 14<sup>th</sup> IEEE ICON Conference, Singapore</b>	<b>2006</b>
	I presented a conference paper entitled "FlexiMAC: A Flexible TDMA-based MAC Protocol for Fault-tolerant and Energy-efficient Wireless Sensor Networks".	
	<b>The 15<sup>th</sup> UWA CSSE Research Conference, Yanchep, Australia</b>	<b>2006</b>
	I presented a conference paper entitled "Peer-to-peer Multicast Overlay over TDMA Schedule for Reactive Wireless Sensor Networks".	
	<b>Workshop on Wireless Sensor Networks for Enterprise Information Infrastructure, Sydney, Australia</b>	<b>2006</b>
	I attended the workshop to exchange ideas and to collaborate with leading international researchers from the different areas relevant to sensor networks.	
<b>The 2<sup>nd</sup> IEEE ISSNIP Conference, Melbourne, Australia</b>	<b>2005</b>	
I attended the conference to gather information about the current research and to network with other researchers in the field of sensor networks.		
<b>The 14<sup>th</sup> UWA CSSE Research Conference, Rottnest Island, Australia</b>	<b>2005</b>	
I presented a conference paper entitled "QMAC: a Quality-of-service-oriented Medium Access Control Protocol for Data Gathering in Wireless Sensor Networks".		
<b>The 13<sup>th</sup> UWA CSSE Research Conference, Yanchep, Australia</b>	<b>2004</b>	
I presented a conference paper entitled "A Review of Schedule-Driven MAC Protocols for Wireless Sensor Networks".		

**Davidson Australian Mote Training Course**, Sydney, Australia **2004**  
I learned to deploy and program basic wireless sensor networks using Crossbow/Berkeley Motes and TinyOS from this intensive training course.

PROFESSIONAL  
AFFILIATIONS

IEEE & IEEE Communication Society **2006**

Association of Professional Engineers, Scientists and Managers, Australia **2003 - 2004**

Australian Computer Society **2002 - 2004**

EXTRA  
CURRICULAR  
ACTIVITIES

**Living Grace Foundation** **1999 - Present**

Youth leader, event organizer, and treasurer assistant.

**School of Computer Science & Software Engineering, UWA** **2004 - Present**

Research conference committee, talk presenter for school outreach programs, and hand-on volunteer for annual UWA Expo.

**Uni Mentor Scheme, UWA** **2002 - 2003**

Mentor and host day leader.

**Uni International Student Services, UWA** **2001 - 2002**

Sub-committee for publication division and sub-editor for UWA Lighthouse magazine.