

Associate Professor Elaine Lawrence, **Head of the School of Computing and Communications** in the Faculty of Engineering and Information Technology at UTS, has a strong research and teaching background in Computer and Communications networks, especially in health applications for mobile networks. She has published extensively in international conferences and journals in the area of health information systems and surveillance as can be seen by her publication list found at:



<http://www-staff.it.uts.edu.au/~elaine/publications.html>

She has been the recipient of two Best Paper awards at IARIA Conferences and has been a Chair of IARIA events. She was appointed as Editor-in Chief of [International Journal On Advances in Life Sciences](#), ISSN: 1942-2660.

Associate Professor Elaine Lawrence is the **Director of the mHealth Laboratory** in the **iNEXT** Research Centre, a UTS research unit which has attracted leading research academics and scholars from Germany, Canada, Vietnam and Spain to work with us on Wireless Sensor Networks and Health applications. Her research team has been working on Wireless Sensor Networks and Mobile Health since 2004. In 2008 Elaine's PhD student was awarded her doctorate on the well received *A Heterogeneous Network Management Approach to Wireless Sensor Networks in Personal Healthcare Environments*. In 2008 and 2009 her masters' students have produced theses on *ReMoteCare: Health Monitoring with Streaming Video and Portable Emergency Medical Information System for Elderly Care* and she currently has five project students working with her on a variety of wireless sensor development kits such as Crossbow's Zigbee MicaZs, Sun's Java Sunspots and Toumaz's Digital Plaster. Through **industry and research** connections (e.g. Professor Matt Welsh of Harvard University, UTS Faculty of Nursing, Midwifery and Health, Cisco, Royal North Shore Hospital Cardiology Centre and Citrix) Elaine has developed a valuable network of international scholars working in the fields of Internetworking, Communications and Distributed Applications (especially Wireless Sensor Networks and Mobile Applications). Dr Lawrence was **Chair of the highly successful International Conference of Mobile Business** (2005) and remains a member of the ICMB standing committee. She has run tracks on Mobile Technology and Business in International conferences in the USA, Norway and the West Indies. She receives many requests from leading international scholars in the field to visit the Faculty and participate in research forums. She has been the Program Leader of the popular Masters of Internetworking and is a qualified Cisco Certified Academic instructor and author of leading textbooks on Internet Commerce as well as Cisco Academy online material.

Currently Elaine is a Chief Investigator on **two Australian Research Grants** totalling \$385,000 which are due to conclude at the end of 2009.