Institute for Integrated and Intelligent Systems (IIIS) and School of Information and Communication Technology (ICT)

Is pleased to present the \textbf{SEMINAR} on

"An Authenticated SMS (Short Message Service) System for M-Commerce (Mobile Commerce) Transactions: Theory, Practice and Opportunities"

\textbf{Tiok-Woo Teo}

\textbf{Time} 11.00am - 1.00pm  
\textbf{Date} Friday 14th August 2009  
\textbf{Venue} G05 3.43 Gold Coast campus Griffith University.

\textbf{Abstract:} To fuel the take-off of m-commerce in the near term, it is imperative to find a way to unlock the potential innate in the existing installed base of conventional cell phones, rather than await all devices to gain parity in processing intelligence and security implements. A transactions system employing the Short Message Service (SMS) was conceived with this in mind as SMS functionality is ubiquitous among devices and messaging tariffs generally low. The proposed architecture does not involve any modification to end user devices, unlike conventional solutions based on the SIM Application Toolkit (SAT).

Some security aspects of the SMS are recognised to be of concern and the practical issues and legal ramifications associated with deploying it for business are considered. The devised protocol seeks to mitigate some of these risks by augmenting SMS-based transactions integrity through a combination of cryptography and native cellular telecommunications security.

Case studies of real-world implementation and deployment will be presented, and potential commercial opportunities and future research discussed.

\textbf{Bio:} Tiok-Woo Teo graduated with a Bachelor in Accountancy degree from Nanyang Technological University (Singapore) in 1994 and embarked on a career in management information systems. In 1998, he received his Master degree in IT (Information Systems) from Bond University where he continued with postgraduate studies and research publishing in the field of mobile commerce. Since 2005, he has been involved with Gold Coast wireless applications service provider Bond Wireless, assisting with the company's enterprise level m-commerce projects and business interests in South-East Asia.


Light refreshments provided.

\textbf{RSVP} to Seminar Coordinator \textit{Dr V. Muthukumarasamy} for catering purposes. Cost: Free Lecture,

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