



Singapore Management University establishes a new research centre on secure mobile computing technologies and solutions

Singapore, 15 October 2014 (Wednesday) - The Singapore Management University (SMU) has announced today the establishment of a new centre of research excellence that focuses on mobile computing security. Funded by Singapore's National Research Foundation (NRF), the Secure Mobile Centre is developing efficient and scalable technologies and solutions that strengthen the security of mobile computing systems, applications and services.

The Secure Mobile Centre is led by a team of five faculty members from SMU's School of Information Systems who specialise in information security and trust: Professor Robert DENG (Centre Director), Professor PANG Hwee Hwa, Associate Professor LI Yingjiu, Associate Professor DING Xuhua and Assistant Professor Debin GAO. Through the new centre, they will conduct R&D projects that target three key aspects of mobile computing – 1) mobility, 2) connectivity, and 3) extensibility. Primary research areas include: fortifying mobile platforms with a user-centric trust anchor; analysing, detecting, containing mobile malware; systems for scalable access control of encrypted data in untrusted servers; and secure and usable authentication systems in mobile computing.

SMU's Secure Mobile Centre is partnering with leading infocomm firms such as ST Electronics (Info-Security) Pte Ltd, Gemalto Pte Ltd, StarHub, and McAfee Singapore which is part of Intel Security, to conduct and trial the R&D projects. The Centre is also collaborating with Singapore government agencies such as the Infocomm Development Authority (IDA), the Defence Science and Technology Agency (DSTA), and the Monetary Authority of Singapore (MAS) to bridge research outcomes with practical needs. In addition, SMU will work with international organisations such as INTERPOL to jointly develop knowledge and expertise in secure mobile computing.

“Information security has become a paramount concern in today's digital age. As mobile computing evolves rapidly, both emerging opportunities and risks leave much room for exploration by security experts and exploitation by hackers,” said Professor Robert Deng of SMU's School of Information Systems and Director of Secure Mobile Center.

Professor Steven Miller, Vice Provost (Research) and Dean of SMU's School of Information Systems added, “Not only do mobile devices and applications present a unique set of risks for individual's privacy, but also new security challenges to enterprise information systems. The purpose of SMU's Secure Mobile Centre is to

address these security needs with the aim of making Singapore a more sustainable, secure, robust and resilient nation.”

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For more information, please contact:

Mr Teo Chang Ching
Assistant Director, Corporate Communications
Tel: +65 6828 0451
Email: ccteo@smu.edu.sg

About the Singapore Management University (SMU)

A premier university in Asia, the Singapore Management University (SMU) is internationally recognised for innovative research and teaching in the areas of Management, Social Sciences, Analytics and Computing, and for interdisciplinary work across these areas. SMU educational programmes are known for their highly interactive and technologically enabled pedagogy in small class sizes.

Home to over 8,300 undergraduate and postgraduate students, SMU comprises six schools: School of Accountancy, Lee Kong Chian School of Business, School of Economics, School of Information Systems, School of Law and School of Social Sciences, offering a wide range of bachelors', masters' and PhD degree programmes in various disciplines.

With an emphasis on generating rigorous, high-impact, multi-disciplinary research that addresses Asian issues of global relevance, SMU faculty members collaborate with leading international researchers and universities from USA, Europe, China and India as well as with partners in the business community and public sector through its research institutes and centres. SMU's city campus is a state-of-the art facility located in the heart of downtown Singapore, fostering strategic linkages with the business and wider community. For more information, please visit www.smu.edu.sg.