School of Information Systems (SIS)
Singapore Management University (SMU)

OPENING FOR RESEARCH STAFF

Post-Doctoral Researcher (One-year)
Singapore Management University

Date available: May 1, 2015

Summary

The Singapore Management University School of Information Systems is seeking a Post-Doctoral Researcher to join the Multi-device Adaptive Gestures and Interfaces (MAGI) Project. This project focuses on user interfaces that fuse input and output across smart phones, smart watches, smart glasses, and other devices. Special emphasis is being placed on recognition of gestures using input streams from multiple devices.

Responsibilities

- Develop and evaluate applications that take advantage of multi-device gestures, using technology provided by the MAGI project. Examples of such applications are a 3D tennis tutor application or a guitar tutor application.
- Investigate the use of multi-device gestures for migrating user interface components as users transition between states of low attentional load (such as sitting on a bus) to high attentional load (such as getting off the bus).
- Submit a paper documenting all findings to a competitive Human-Computer Interaction conference, such as ACM SIGCHI.

Requirements

- PhD in Computer Science (or a related discipline) with a focus on Human-Computer Interaction
- Strong understanding of distributed computing and computer graphics
- Good English communication skills (written and oral)
- Experience Java and C++
- Experience with Android programming is also desirable.

To apply, please contact Richard C. Davis at rcdavis@smu.edu.sg.

About Singapore Management University’s School of Information Systems

A premier university in Asia, the Singapore Management University (SMU) is internationally recognised for its world-class research and distinguished teaching. Established in 2000, SMU’s mission is to generate leading-edge research with global impact and produce broad-based, creative and entrepreneurial leaders for the knowledge-based economy. SMU education is known for its highly interactive, collaborative and project-based approach to learning, and for its technologically enabled pedagogy of seminar-style teaching.
in small class sizes. SMU’s city campus is a state-of-the-art facility located in the heart of downtown Singapore, fostering strategic linkages with business, government and the wider community. www.smu.edu.sg

SMU is created to be a premier university internationally recognised for research and education centred on management, social science, analytics and computing. The SMU School of Information Systems (SIS) was created within this context to be similarly recognised internationally for its innovative research and education focused on Information Systems Technology, Information Systems Management, as well as problems and issues at the intersection of IS related technology and management. SIS actively investigates a range of issues related to the managerial and business impacts of IT within firms, across collaboration networks and value chains, as well as across markets and industries. sis.smu.edu.sg

SIS was the first iSchool outside of North America accepted into the iSchools caucus. The iSchools are interested in the relationship between information, technology and people. SIS is an iSchool with strength in information technology, systems and applications, and it concentrates on the uses, users and impacts of information and IT in the context of The World of Business. www.ischools.org