Title: Verification Challenges in Industry and (Some) Research Solutions

Speaker: Dr Ralf Huuck
Senior Researcher, NICTA, Sydney
Senior Lecturer, University of New South Wales
Chief Executive Officer / Co-founder of Red Lizard Software

Time: 3 March 2014, 02:00 PM to 03:30 PM
Venue: Executive Classroom, COM2-04-02

Chaired by: Dr Dong Jin Song, Associate Professor, School of Computing
dongjs@comp.nus.edu.sg

Abstract:
Software verification plays a large role in academia with many improvements being made over the last decades. These days there are many industrial case studies and selected methods make their way into engineering practice. However, at the same time industry demand is evolving, complexities rise and it is unclear that research can keep up with its speed. In this presentation we highlight a number of areas for industrial verification demands, some of the solutions that can address them and open challenges for future.

Biodata:
Dr Ralf Huuck is a senior researcher at NICTA, Sydney, Senior Lecturer at UNSW and the CEO/co-founder of Red Lizard Software, a vendor for C/C++ code analysis tools for safety and security.
He obtained his PhD in theoretical computer science at University of Kiel, Germany, in 2003 and has been working in several leading positions in Germany, France, Australia, Japan and Hong Kong. His focus is the development and application of formal verification techniques such as model checking to large scale software systems.