

NATIONAL UNIVERSITY OF SINGAPORE

School of Computing

C S S E M I N A R

Title: **Code analytics for binary analysis**

Speaker: Khoo Wei Ming
 Researcher
 Computer Security Laboratory
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Date/Time: 14 May 2015, Thursday, 02:30 PM to 04:00 PM

Venue: Executive Classroom, COM2-04-02

Chaired by: Dr Jaffar, Joxan, Professor, School of Computing
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Abstract:

This talk describes ongoing work in code analytics-based binary analysis, which started during my PhD. Binary analysis is needed for tasks such as security auditing and malware analysis, however manual effort is tedious and error-prone. The key premise is to leverage on existing open source code bases, e.g. Linux and Github, applying a combination of program analysis and code analytics to analyse executable code. This talk will cover some of the challenges encountered, initial results and future work in this area.

Biodata:

KHOO Wei Ming is a researcher with the Computer Security Laboratory at DSO National Laboratories. His research interests lie in the intersection of program analysis, analytics, information retrieval and their applications to security. He received his Ph.D. in Computer Science from the University of Cambridge, and has a Masters from the Singapore-MIT Alliance and a B.Eng. from the National University of Singapore.