(1) **Name**: Mohammad Zulkernine

(2) **Title**: Associate Professor

(3) **Affiliation**: Department of Computing, Queen's University, Canada

(4) **Short Biography**:

Mohammad Zulkernine is a Canada Research Chair in Software Dependability and an Associate Professor at the School of Computing of Queen's University, Canada. He leads the Queen's Reliable Software Technology (QRST) research group. Dr. Zulkernine received his PhD from the University of Waterloo, Canada. He has taught and received his education in four countries on three continents (Bangladesh, Japan, Canada, and Italy). Dr. Zulkernine's current research focuses on methods and tools for building reliable and secure software. His research projects are supported by a number of provincial, federal, and international research funding agencies. He is also collaborating with various industrial research partners. Dr. Zulkernine was one of the program co-chairs of SSIRI '11, COMPSAC '12, and HASE '14. He is a senior member of the IEEE and the ACM, and a licensed professional engineer in the province of Ontario, Canada.

(5) **Subject and Schedule of the Lectures**:

As a part of the course ``Software Reliability Engineering'' in Department of Information Engineering, Graduate School of Engineering

August 5, 2014, 8:45-10:15 Introduction of software reliability and security
August 6, 2014, 8:45-10:15 Definition and real examples
August 7, 2014, 8:45-10:15 Major technologies on software security
August 8, 2014, 8:45-10:15 Achievement in Queen's Reliable Software Technology (QRST) Research Group.
August 8, 2014, 10:30-12:00 Advanced topics on software security

The lectures with technical lessons in English were intended to give complementary topics on the software reliability engineering. Dependable software system is the key ingredient to success for most organizations in today's world that is heavily dependent on information technology. This lecture will discuss some of the research activities on techniques and methodologies for building and monitoring dependable software systems conducted within the Queen's Reliable Software Technology (QRST) research group. The lecture will focus on bridging some of the important gaps in the area of software reliability and security such as software building and monitoring, software fault/failure and security vulnerability/intrusion, software behavioral monitoring and intrusion detection in the context of software engineering and security engineering.