Software Reliability from Crowd-Sourced Software Testing

Prof. Bimal K. Roy
Director of the Indian Statistical Institute, India

Date 28 March 2014 (Friday)
Time 2:30pm (Tea/Coffee service at 2:15pm)
Venue B6605, 6/F, AC1

Abstract
The Internet has enabled a completely new approach to software Testing: Crowd-sourcing, where users of a software, at a global scale, use a software product and report its defects in a voluntary and uncontrolled manner through the internet. Crowd-sourced testing is a cost effective strategy for software quality improvement and is an increasingly popular method in the Industry. However due to its uncontrolled and voluntary nature, almost no existing model for software reliability can be used to make reliability inferences. I will talk about new procedures we have built to address this important problem.

About the Speaker
Prof. Bimal Roy obtained B.Stat.(hons.) & M.Stat degree from Indian Statistical Institute and Ph.D. degree from University of Waterloo, Canada. Currently a professor of Applied Statistics and also the Director of Indian Statistical Institute. Research interests are: Cryptology & Security, Software Testing & Reliability, Application of Statistics to various sciences etc.

Enquiry: 3442 8408

All are Welcome!