CSI Seminar
Thursday 14th March 2013
12:30-1:30 pm

Seminar Plan:

12:30-12:40: Light lunch and drinks

12:40-12:45: Welcome and Introduction

12:45-1:00: Professor Saman Fernando (Professor, CSI)

Title: Nuts and Bolts of Innovation
Abstract: Briefly talks about the innovation process, its characteristics and important things to remember when conducting innovation. Some discussion on commercialisation and a demonstration of a current innovation is also made.

1:00-1:15: Mohammad Alamgir Hossain (MEng candidate – commenced February 2012)

Title: Establishing a single parameter influencing rainwater tank outcomes and optimisation of rainwater tank design for Sydney metropolitan
Abstract: The traditional practice of rainwater harvesting volume/size design is based on historic annual median rainfall data, which is not realistic due to rainfall pattern throughout the year. In this study we are considering five years’ of recorded daily rainfall data for each of the dry, median and wet years. Using a daily water balance model, we are trying to establish a single factor, which can be used for the design of rainwater tank size.

1:15-1:30: Fariborz Moeinaddini (PhD candidate – commenced June 2012)

Title: Punching Shear Strength of Post-tensioned Concrete Flat Plate Floors in the Balanced Condition
Abstract: Post-tensioned concrete flat plates are becoming a popular flooring system in the Australian building industry. This type of floor is susceptible to a local failure in the vicinity of columns, known as punching shear phenomenon. The aim of this research is to study the effect of post-tensing force on the punching shear strength of flat plates and develop a rational mechanical model for calculating the strength of post-tensioned flat plates.

Venue: Swinburne University of Technology, Hawthorn Campus, ATC Building (corner of Burwood Road and John St, Hawthorn), ATC 205, 2nd floor
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