CSI Seminar
Friday 9th March 2012
12:30-1:30 pm

Seminar Plan:

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

12:40-12:45: Professor John Wilson (CSI Director): Welcome, opening and introduction

12:45-1:00: MD Aminur Rahman (PhD candidate)

Title: Laboratory Investigation of Construction and demolition Materials Reinforced with geogrid

Abstract: The present research describes the physical and geotechnical properties of construction and demolition (C&D) materials with geogrid. For this research, different types of laboratory tests such as modified compaction, particle density, particle size distribution, water absorption, California Bearing Ratio (CBR), Los Angeles abrasion, large direct shear, static triaxial and repeated load triaxial (RLT) tests were carried out.

1:00-1:15: Fatemeh Mekanic (PhD candidate)

Title: Long-term rainfall forecasting using climate indices for Victoria, Australia

Abstract: Long-term rainfall forecasting is beneficial for water resources management. Previous studies on Victorian rainfall forecasting couldn't achieve more than 30% predictability and used single climate indices for this matter. This study aims to look at the relationship between multiple lagged-time climate indices and Victorian rainfall using a non-linear model.

1:15-1:30: Ahmad Mohd Ali (PhD candidate)

Title: Spalling of full-scale high strength concrete wall panels with difference aggregate sizes

Abstract: This research presents the fire test results of high strength concrete full-scale wall panels. The effect of aggregate size and pore pressures will be discussed. The course aggregate sizes varied from 7 mm, 14 mm to 20 mm. Two types of aggregates were tested, namely, granite and basalt.

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

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