The Centre for Sustainable Infrastructure seminar will be held on Thursday 11 June 2015.

All Civil and Construction Group research students are expected to attend as part of their course requirements and all CSI staff and students are encouraged to attend.

CSI Research Seminar

Date: Thursday 11 June

Time: 12.30 – 1.30pm

Location: ATC 205, level 2, Advanced Technology Centre
Swinburne University of Technology, Hawthorn campus

A light lunch will be provided

A research design and implementation framework: focus on impact and citations

Prof Patrick Zou (Professor, CSI)

In this short seminar, Prof Zou will discuss why it is necessary to undertake research, how to select research topics and how to write papers for publishing in international journals, as well as how to promote and monitor the citations and impact of research outcomes. Patrick will present a "research design and implementation framework: focusing on citations and impact" for open discussion. He will also discuss strategies in writing and publishing research-based books.

The collapse assessment of reinforced concrete building in regions of lower seismicity

Scott Menegon (Full-time PhD Candidate – commenced November 2013)

The primary focus of this research project is to determine a design model for assessing the performance of limited ductile reinforced concrete (RC) walls. This design model will then be used to assess the overall performance of RC buildings in Australia using displacement-based assessment procedures. A robust backbone force-displacement model for limited ductile RC walls will be developed using a series of experimental and theoretical techniques. Both cast in-situ and precast RC walls will be considered in this project.
Influence of Vegetation on Waveband Roughness Levels in Pavements founded on Expansive Soil

Md Yeasin Ahmed (Full-time PhD Candidate - February 2014)

The presence of expansive soils can cause accelerated deterioration of light structures due to non-uniform seasonal ground movements. Roadside vegetation has long been thought to exacerbate this deterioration. Thus, this research aims to evaluate the influence of roadside vegetation on the rates of deterioration for rural highway pavements in areas of alluvial expansive soil deposits. Parameters such as number of trees, canopy area, tree distance from pavement seal, shoulder condition, and grass density in shoulder will be considered for developing the model.

We look forward to seeing you there.

Yours sincerely,

Prof Jay Sanjayan
Director, Centre for Sustainable Infrastructure
Swinburne University of Technology

swinburne.edu.au/csi/seminars/

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