

## Modelling ultimate limit states (ULS) in geotechnical finite element analysis

A half day seminar at Imperial College

1:30 – 4:30 pm 16<sup>th</sup> March 2011, followed by Rankine lecture at 5:30pm

Chair:

Dr. Lidija Zdravkovic, Imperial College

<b>Session 1: Case studies of geotechnical failures</b>		<b>1:30 – 2:45 pm</b>
<i>Introduction</i>	Dr. Lidija Zdravkovic	
<i>Modelling the failure of Aznalcollar dam</i>	Prof. Antonio Gens, UPC Barcelona, Spain	
<i>Analyses of progressive failure of sensitive clays by FEM</i>	Dr. Hans Petter Jostad, NGI, Norway	
<i>Modelling the Nicoll Highway collapse</i>	Dr. Felix Schroeder, GCG, UK	
<b>Coffee break</b>		<b>2.45 – 3.15 pm</b>
<b>Session 2: Numerical developments</b>		<b>3.15 – 4:30 pm</b>
<i>Slope stability analysis with FEM: strain softening vs. strength reduction approach</i>	Prof. Helmut Schweiger, TU Graz, Austria	
<i>Is EC7 compatible with numerical analysis?</i>	Prof. David Potts, Imperial College, UK	
<i>Large deformation analyses with the Material Point Method</i>	Prof. Pieter Vermeer, Deltares, Holland	
<i>Closing remarks</i>	Dr. Lidija Zdravkovic	

**Venue:**

Imperial College, Department of Civil & Environmental Engineering  
Skempton Building, London SW7 2BU

**Main room:**

LT 164 – ground floor, Skempton Building

**Overflow room:**

LT 201 – first floor, Skempton Building

**Enquires:**

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