

## Engineering Resilient Infrastructure

A half day seminar at Imperial College

1:00 – 4:30pm 20<sup>th</sup> March 2019, followed by Rankine lecture at 5:30pm

Chair: Prof. David Potts, Imperial College

<b>Session 1</b>		<b>1:00 – 2:30</b>
<i>Controlled lateral buckling of offshore pipelines resting on soft seabed soils</i>	Prof. Chris Martin <i>Oxford University, UK</i>	1:00 – 1:20
<i>Real-time seismic crisis management framework for motorway systems</i>	Prof. Ioannis Anastasopoulos <i>ETH Zurich, Switzerland</i>	1:20 – 1:40
<i>Performance based design of tied back steel sheet pile walls under seismic actions</i>	Prof. Giulia Viggiani <i>University of Cambridge, UK</i>	1:40 – 2:00
<i>Discussion</i>	All	2:00 – 2:30
<b>Coffee break</b>		<b>2:30 – 3:00</b>
<b>Session 2</b>		<b>3:00 – 4:30</b>
<i>Infrastructure embankments: long-term interaction with atmospheric conditions</i>	Prof. Lidija Zdravkovic <i>Imperial College London, UK</i>	3:00 – 3:20
<i>Stabilisation of excavated slopes with piles: considerations for materials with distinct strain softening behaviour</i>	Dr. Stavroula Kontoe <i>Imperial College London, UK</i>	3:20 – 3:40
<i>High Speed 2: Geotechnical and commercial challenges for a resilient railway</i>	Dr. Stuart Hardy <i>Arup, UK</i>	3:40 – 4:00
<i>Discussion</i>	All	4:00 – 4:30

**Venue:**

Imperial College London, 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