

A reprise of the 62nd Rankine Lecture

# “GEOTECHNICAL ENGINEERING FOR A SUSTAINABLE SOCIETY”

## WEBINAR

### 22 JANUARY 2025

4pm to 6pm (MYT) / 8am to  
10am (GMT)



**SPEAKER**

## Professor Lidija Zdravković

BEM Approved CPD hours: **APPLYING**  
PEB PDUs: **APPLYING**

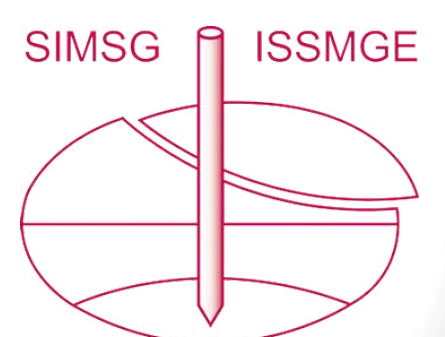
**CONTACT US**



[mgs@mygeosociety.com](mailto:mgs@mygeosociety.com)



MALAYSIAN  
GEOTECHNICAL  
SOCIETY  
(PERTUBUHAN  
GEOTEKNIKAL  
MALAYSIA)





# Professor Lidija Zdravković

## Speaker Biography

Lidija Zdravković is Professor of Computational Geomechanics at Imperial College London, where she has been an academic staff member since 1996, becoming full professor in 2013. She was Head of the Geotechnics division in the Civil and Environmental Engineering Department for ten years until January 2024. Her research integrates soil characterisation and numerical modelling to assess geotechnical infrastructure, climate change impact, offshore foundations, energy geostructures and nuclear waste disposal, recently expanding her interests to data science and machine learning. She has consulted on a number of major infrastructure projects and is a Fellow of the Institution of Civil Engineers. She has published over 250 technical papers and has been awarded prizes from the BGA and ICE and the 2019 Imperial College President's Medal for Excellence in Education. Lidija is a UK core member on the ISSMGE TC103 for Numerical Methods and a corresponding member on the TC221 for Tailings and Mine Wastes. Since January 2024 she took on the role of Géotechnique Editor-in-Chief.

## Webinar Synopsis

It is very evident today that geotechnical engineering is faced with a range of challenges of increasing complexity and scope. Efforts have been made in industry and in academia to address some of these challenges, contributing to the development of a current and future safe, sustainable and resilient society. This Rankine Lecture focusses on the development of robust predictive tools to underpin the geotechnical design concerned with the lifecycle assessment of a range of infrastructure, illustrated by specific examples from the Speaker's research. The key for these developments is in integrating, in a consistent manner, ground characterisation with rigorous computational analysis and validation through field monitoring. The lecture has several parts, focusing on research that supports sustainable life extension of aging infrastructure, under the conditions of climate change-induced weather patterns; research that is impacting offshore wind turbine foundation design in the development of renewable energy sources; and environmental impacts of thermal and chemical perturbations in the ground on geotechnical infrastructure.

### Registration Fee

MGS/IEM/GeoSS/CTGS/HKGES Member: **FREE**  
Non-Member: **RM20.00 per person**

### Payment Methods:

- 1) Online Bank Transfer  
Bank name: Hong Leong Bank Berhad  
Payee: Pertubuhan Geoteknikal Malaysia  
Bank Account No: 281-000-12316
- 2) PayPal (<https://paypal.me/mygeosociety>)
- 3) Online Money Transfer Platforms (such as Wise)



MGS Webinar Prof Lidija Zdravković

Scan event into calendar  
[Click here to save into your calendar](#)

Click on this [link](#) to register

### \*\*\*IMPORTANT\*\*\*

- ✓ Each approved registrant will receive a unique Zoom link for the webinar.
- ✓ A minimum attendance of 75% is required in order to obtain a certificate of attendance.