24 May 2017 | London UK

GEO careers

Inspiration for the next generation

Addressing the Skills Shortage

It would seem there is little understanding of professions within the built environment and few young people aspire to a career in this important sector of the British and global economy. It is with this serious skills shortage in mind that we have launched this brand new educational element to the show – GEO Careers.

classofyourown design_engineer_construct!

Working alongside Alison Watson from Class of Your Own (COYO), we have together developed a full day of enticing activities and presentations for students aged 14-19 whilst providing the Design Engineer Construct (DEC!) teachers with their own programme to help further educate their students. The aim is to demonstrate just how exciting the geospatial industry is and to encourage the next generation to choose a 'geo' career path.

11.30

Welcome

Alison Watson, Managing Director
Class of Your Own

11.35

Topographical or Geospatial Survey in the 21st Century

Mark Combes, Managing Director
Severn Partnership

What is / was topographic surveying and how has technology radically changed the survey industry. High tech survey equipment has released exciting new surveying services and with it great prospects in numerous new sectors with new clients who need Geospatial data. How does this translate into an exciting Geospatial / Topographical career for the next generation?

11.50

SKANSKA

Tomorrow's technology today in our industry

Mark Lawton, Chief Engineering Surveyor
Skanska UK

Our industry uses a variety of innovative technologies every day. This presentation will explain how some of these are used in the day to day role of a civil engineering surveyor on a construction site. From capture through construction to delivery of a project, good survey practice is at the heart of the geospatial industry and technology makes it exciting and fun.

12.05

TERRA DAT

The use of engineering and environmental geophysics for ground characterisation related to the construction industry

Nick Russell, Managing Director, Terradat

Knowledge of what lies beneath our feet is critical to both the safety and cost effectiveness of construction projects. The results of a geophysical survey can provide a very useful spatial understanding of the subsurface in both plan and cross-sectional views. This can then be used in conjunction with existing knowledge to compliment and optimise a ground investigation.

12.20

ARUP

Site Analysis

Abir Osman, Senior Geotechnical Engineer
ArupArup

Ground and groundwater are big risks on construction projects and it is important to get to grips with the clues available early on as to what the biggest risks on your site might be. Site analysis isn't all about the maths and this presentation aims to introduce you to the wider questions we need to get to the bottom of at the start of a project to understand the ground.

12.35

Cloud to Coast Engineering

Duncan Ker-Reid, Associate
BuroHappold Engineering

Urbanisation, climate change and scarcity of water resources will pose increasingly complex water-related challenges for engineers of the future. This presentation outlines how hydrology plays a key part in site selection, site planning and site resilience, now and for the future