
52nd COOLING PRIZE COMPETITION

Monday 1st March at 7:00 pm
at

Prestigious Online Event hosted by the Midland
Geotechnical Society

The Cooling Prize Competition will comprise:

A short presentation on the history of the Competition, presented by
Sergio Solera

This will be followed by the presentations by the Finalists:

Candidate	Topic
Alice Duley (Jacobs UK Ltd)	Practical Geo-Dynamic Assessment of High-Speed Rail Earthworks on the Align Contract (HS2)
Xinjin Ho (Mott MacDonald)	Automation for 3D Finite Element Modelling
Riccardo Scarfone (Geotechnical Consulting Group)	Capillary Barrier Systems for prevention of rainfall-induced slope instability

After the presentations, while the judges consider their verdict,
A short keynote lecture will be given by:

Sarah Trinder

on

HS2 Britain's new high speed railway – where we are now
(synopsis and biography overleaf)

Watch online via the BGA event page

<https://www.britishgeotech.org/events/270-cooling-prize-competition-2021>

HS2, Britain's new high speed railway – where we are now

HS2 will be the new high speed backbone of our rail network connecting the city centres of Birmingham, Manchester, Leeds and London. By making it easier to move between the south, midlands and north, cutting many journeys in half, HS2 will make it easier for people to live and work where they want. It will free up space on our existing railways for more commuter, regional and freight services. HS2 will increase economic growth, productivity and tourism and support hundreds of thousands of jobs. It will also provide a low carbon alternative for long distance travel, reducing the need for car and plane journeys, and playing a vital role in delivering the Government's ambitious goal of Britain becoming net zero carbon by 2050.

The design and construction of HS2 represents a huge engineering challenge in terms of both scale and complexity. The main construction works for Phase One, from London to Birmingham, have now begun. This brief presentation will explain where we are now, and present the latest from site, including earthworks and piling trials.

Biography

Sarah Trinder is a chartered civil engineer with 30 years' experience of geotechnical and civil engineering in the UK and overseas. She has worked at HS2 for the last six years as Lead Geotechnical Engineer, Phase One, seconded from Jacobs (formerly CH2M), one of HS2's Engineering Development Partner companies. Her wide experience includes design, construction and management experience for linear infrastructure and development projects, including ground investigations, earthworks, slopes and landslide remedial solutions, canals and contaminated land assessment and remediation.

