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Dial-in details at end of this flyer. | **This lecture has been supported by sponsorship from:**  Arcadis Logo  **Monday 1st March 2021**     |  |  | | --- | --- | | **Cooling Prize Competition**  **With short keynote lecture from Sarah Trinder, HS2**  **HS2 Britain’s new high-speed railway – where we are now**  **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:  **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, HS2:** HS2 Britain’s new high-speed railway – where we are now  **Synopsis:**  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.  **About the Speaker:**  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 |  |   **This season’s lectures...**  19th April 2021 – John Mitchell Award – Speakers for 2021 TBC.  10th May 2021 – AGM & Environmental lecture. Peter Braithwaite, University of Birmingham  **Meeting Details for 1st March 2021:**  [Join Microsoft Teams Meeting](https://teams.microsoft.com/l/meetup-join/19:meeting_OWZhNDRlM2UtYjFjOC00ZmViLWExYjktODA5YTU5YzI3NDg1@thread.v2/0?context=%7b%22Tid%22:%224ae48b41-0137-4599-8661-fc641fe77bea%22,%22Oid%22:%2274454327-b7fa-432b-bf31-04aab7c1f9dd%22%7d" \t "_blank)  Join from a video system  Dial: [teams@vmr.arup.com](sip:teams@vmr.arup.com)  Video Conference ID: 125 887 684 5#  Join by phone (audio only)  [+44 20 3321 5205](tel:+442033215205,,5703997%23)  United Kingdom, London  Phone Conference ID: 570 399 7# |