



**Announcement and call for contributions:**  
**Geophysics for Critical Infrastructure**  
**Thursday 16<sup>th</sup> July 2015, BGS Keyworth**



The Engineering Group (EGGS) and Near-Surface Geophysics Group (NSGG) of the Geological Society and the British Geological Survey (BGS) are jointly organising this 1-day meeting aimed at industry professionals involved in geophysical investigations for critical infrastructure projects (onshore and offshore), including past or potential future end-users of geophysics (non-specialists).

Contributions are invited (as case study examples showing field-tested best practice) from infrastructure construction and research projects of national significance and critical importance, where near-surface geophysical methodology has been successfully incorporated into mainstream ground investigations. Examples should highlight where the conceptual ground model has been enhanced by the application of geophysical techniques to improve the geological, hydrogeological and engineering geological characterisation of the subsurface and to reduce uncertainty in the ground model.

Implications for near-surface geophysics of the forthcoming revision to BS5930 (2015) will be discussed at the meeting.

**Meeting aims:**

- Bring together industry and research professionals from the geophysical, geotechnical and civil engineering sectors to foster a better understanding of mutual needs and expectations
- Highlight geophysical case studies and best practice in critical infrastructure investigations
- Disseminate implications for near-surface geophysics of the forthcoming revision to BS5930 (2015)

**Outline Schedule:**

09.30 Registration, Tea & Coffee  
10:00 Introduction and welcome  
10:15 **Session 1a: Reducing uncertainty in ground models with near-surface geophysics**  
**Keynote address: Dr George Tuckwell (RSK Ltd) – Geophysics and the new BS5930 Standard**  
11:15 Refreshments, posters, networking  
11:45 **Session 1b: Reducing uncertainty in ground models with near-surface geophysics**  
12:45 Buffet lunch, posters, networking  
13:45 **Session 2: Novel or unusual applications of near-surface geophysics in critical infrastructure projects**  
15:00 Refreshments, posters, networking  
15:30 **Session 3: Integrating near-surface geophysical methods with conventional geotechnical approaches**  
16:15 Wrap Up  
16:30 Meeting close

If you would like to present your work to a broad audience of industry professionals and researchers, please email your title and abstract (max 300 words) to [paulki@bgs.ac.uk](mailto:paulki@bgs.ac.uk) by **29th May 2015**. Please include the names and affiliations of the contributing authors and indicate your preferred presentation type (oral/poster).

Registration fees: £35 standard delegates, £25 GeoSoc Fellows, £15 students/concessions. Lunch and refreshments included. Online registration is required for all delegates: <https://bgs.eventhq.co.uk/geophysics-for-critical-infrastructure>. Directions to Keyworth: <http://www.bgs.ac.uk/contacts/sites/keyworth/home.html>. Commercial exhibitors will have the opportunity to advertise their services – please contact the convenors.

**Further details, including updates on the programme, to be published on [www.nsgg.org.uk/meetings](http://www.nsgg.org.uk/meetings).**

We look forward to receiving your contribution, and to seeing you in July.

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**British  
Geological Survey**

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