

 <p>NSGG Near-Surface Geophysics Group</p>	<p>Recent Work in Archaeological Geophysics</p> <p>The Geological Society Burlington House, Piccadilly, London W1J 0BG Tuesday 4th December 2012</p> <p>Programme</p>
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Lecture Programme:

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| 0915-1000 | Registration and Coffee |
| 1000-1005 | Introduction |
| 1005-1020 | <i>Multi Depth Electromagnetic Survey – changing the way we prospect for archaeology?</i> J Bonsall, C Gaffney, T Sparrow and I Armit. |
| 1025-1040 | <i>Void characterisation through multi frequency composite Radargrams.</i> M Guy. |
| 1045-1100 | <i>A comparison of the FlashRes64 Imaging System and Tigre ERT system.</i> R Fry, C Gaffney and F Pope-Carter. |
| 1105-1120 | <i>They may all be dead but they still ain't equal ...</i> A Schmidt and G Tsetsckhladze. |
| 1125-1155 | Tea/Coffee break |
| 1155-1210 | <i>Detailed Prospecting within the Stonehenge Landscape.</i> E Baldwin, C Gaffney, V Gaffney, W Neubauer and K Loecker. |
| 1215-1230 | <i>Landscape geophysical surveys at Brú na Bóinne World Heritage Site: survey techniques, data quality, and initial archaeological interpretation.</i> I Hill, K Barton, C Brady, L Williams and M Krajňák. |
| 1235-1250 | <i>Magnetic and electromagnetic measurement systems for large area surveys.</i> W Suess. |
| 1255-1300 | Morning closing remarks |
| 1300-1430 | Lunch (available locally)
NSGG AGM in the lecture theatre at 13:30 (open to all Geological Society members) |
| 1430-1445 | <i>Is it time for a National Mapping Programme for geophysical survey data?</i> J Lyall. |

- 1450-1505 *What a difference a year makes: The impact of environmental dynamics on multiple sensor responses over archaeological features, an example from Cherry Copse, Cirencester.* R Fry, D Boddice, D Stott, A R Beck, C Gaffney, N Metje and A Schmidt.
- 1510-1525 *Did we find anything? Feedback and Statistical analysis of Ground Truthed Magnetometer Data.* J Bonsall, C Gaffney and I Armit.
- 1530-1600 **Tea/Coffee break**
- 1600-1615 *3-D GPR investigation of a residential area in the Roman town Ammaia (Portugal).* L Verdonck, D Taelman and F Vermeulen.
- 1620-1635 *Mirrors and Villas – how geophysics is revealing the gaping holes in our knowledge of late Iron Age and Roman settlement in Dorset, UK.* P Cheetham and H Simpson.
- 1640-1655 *GPR in-depth - A chronological interpretation of high resolution GPR data from Visegrad, Sibrik, Hungary.* K Tolna.
- 1700-1715 *Below 1 nT: interest of weak magnetic anomalies for the study of ancient gardens.* C Benech.
- 1720-1730 Conclusion
- 1735-1900 International Society for Archaeological Prospection (ISAP) AGM in the lecture theatre.

Posters (09:30-19:00 in the Lower Library):

Magnetic characterization of ceramic kilns: Examples from the north and the south sides of the Mediterranean sea. A Jrad, Y Quesnel, P Rochette and C Jallouli.

Archaeological by-products of Unexploded Ordnance. A Butcher and M Brown.

Early Medieval Castle Wahrenholz – Lower Saxony, Germany. C Schweitzer and C Frey.

Geophysics on Solsbury Hill, Bath. J Oswin and R Buettner.

Magnetometer and Ground Penetrating Radar Surveys in the Neolithic flint mine of Arnhofen, Lower Bavaria, Southern Germany. J Koch, J W E Fassbinder, R Linck, K Eisele and M M Rind.

Application of Remote Sensing Techniques at Brú na Bóinne World Heritage Site, County, Meath, Ireland. I Hill, K Barton, C Brady, L Williams and M Krajčák.

Roman villae rusticae in the Bavarian part of Noricum. L Kühne, R Linck, J W E Fassbinder, J Koch, F Becker and F Klauser.

The Appliance of Science and The Community. P Masters.

Geology Strikes Back. P Morris.

Satellite-based geophysical prospection of the Roman fortress of Qreiye-Ayyāš in Syria. R Linck, J W E Fassbinder, S Buckreuss and S Seren.

Should archaeologists be concerned about naturally varying magnetic fields? S Macmillan, S J Reay.

Geophysical investigation in Dakhleh Oasis (Egypt): Discovery of an unknown settlement at Ayn Birbiyeh. T Herbich.

Magnetic and electromagnetic measurement systems for large area surveys. W Suess, Sensys GmbH.

A geophysical survey of the castle site, Saffron Walden, Essex, UK. T Dennis and R Potter.

Unravelling palaeohydrology: revealing prehistoric landscapes with a multi-receiver electromagnetic induction survey. P De Smedt, P Crombé and M Van Meirvenne.

Commercial Exhibitors:

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