



## Recent Work in Archaeological Geophysics

The Geological Society

Burlington House, London

15<sup>th</sup> December 2010

### Lecture Programme:

- 0915-1000      **Registration and Coffee**
- 1000-1005      Introduction
- 1005-1020      *The Discovery of the Rosnaree Enclosure, County Meath, Ireland: Implications for the Continuing Evaluation of the Archaeological Potential of the Brú Na Bóinne World Heritage Site.* K Barton and C Brady.
- 1025-1040      *Bronze Age Settlements and New Discovered Ring Ditches of the Maykop Culture in the North-Caucasus (Russia).* J Fassbinder, S Reinhold and A Belinskiy.
- 1045-1100      *An Empirical Reassessment of the Utility of the Geonics EM38b Together with Suggested Methodologies for its Application in Archaeological Investigations.* P Cheetham.
- 1105-1120      *New Approaches to Improve Magnetic Prospection: Applications on Archaeological Sites in Provence.* Y Quesnel, A Jrad, H Boukbida, P Rochette, P-E Mathé, J Gattacceca, J-C Parisot, D Hermitte, S Khatib and F Mocci.
- 1125-1155      **Coffee**
- 1155-1210      *Longhouses, Field Boundaries and Rocky Outcrops: Modelling of Geophysical Data Sets Affected by Geological Outcrops in the Shetland Island for Past Land Use.* R Legg, J M Bond, C Gaffney and C P Heron.
- 1215-1230      *Adaptation of Aero-Magnetic Interpretation Techniques for Archaeo-Magnetic Purposes.* S Cheyney, I Hill, N Linford, S Fishwick and C Leech.
- 1235-1250      *Data Presentation and Interpretation – Using Google Earth as a Delivery Medium.* J Lyall.
- 1255-1300      Morning closing remarks
- 1300-1430      **Lunch (available locally)**

- 1430-1445 *Recent Works in G.P.R. Applied to Cultural Heritage.* P M Barone, E Pettinelli, S E Lauro and E Mattei.
- 1450-1505 *Reflections from Westminster Abbey.* E Utsi.
- 1510-1525 *What Shielding? How to Pick Up Signals with a GPR Antenna.* A Schmidt.
- 1530-1600 **Tea**
- 1600-1615 *The Ludwig Boltzmann Institute for Archaeological Prospection & Virtual Archaeology - A New Perspective for Landscape Archaeology: Research Programme and First Results From Large-Scale, High-Resolution Archaeological Prospection.* I Trinks, A Hinterleitner, E Nau, T Zitz, K Löcker, M Gabler, W Neubauer, M Doneus, N Doneus, M Kucera, C Briese and D Scherzer.
- 1620-1635 *Methodological and Archaeological Challenges in the First Season of the Stonehenge Hidden Landscapes Project.* C Gaffney, V Gaffney and W Neubauer.
- 1640-1655 *Towards Reconstructing an Ancient City: Case Study of Pelusium, Northern Sinai, Egypt.* T Herbich.
- 1700-1715 *Early Urbanism in Europe? Geophysical Survey at Nebelivka, Ukraine.* Duncan Hale, J Chapman, N Swann, M Videiko and R Villis.
- 1720-1730 Conclusion
- 1730-1930 **Wine reception in Lower Library**
- 1730-1830 Separate event: ISAP AGM

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

*East Park, Sedgefield, County Durham - Geophysical Survey of a Roman Civilian Settlement.* D Hale, N Swann and R Villis.

*Mapping Pleistocene Landscape Features Using Archaeological Geophysics.* A Butler, J Walford.

*Geophysics in Your Back Garden: From Rural Retreats to Royal Palaces 18 Years of 'Geophys' On Time Team.* E Wood and J Gater.

*'It Never Rains But It Pours' Earth Resistance Seasonality Testing in Bradford.* A Parkyn.

*The Interface of Geophysical and Geochemical Survey: Towards an Understanding of Geophysical Data Quality in Challenging Archaeological Sites.* C Cuenca-Garcia.

*Enhancing Magnetic Survey Interpretation of Roman Cities: Geophysical Data Combination and Archaeological Feedback on Ammaia.* J Verhegge, A Schmidt, C Gaffney, F Vermeulen and L Verdonck.

*Detecting Mass Graves on Historic Battlefields.* P Masters, C Enright.

*3D GPR-Survey in the Roman Town of Baalbek.* R Linck, J Fassbinder and M van Ess.

*Neolithic - Early Iron Age Sites at Serteya, North-West Russia: Archaeological Survey, Magnetometry And Susceptibility Prospecting.* D Yu Hookk, A N. Mazurkevich and J Fassbinder.

*A Ground Penetrating Radar Survey at Thorpe Waterville Castle, Northamptonshire.* T Dennis, M de Bootman, S Parry and J Fulcher.

*Geophysical Surveys to Assist the Instar Boyne Landscapes Project at the Brú Na Bóinne World Heritage Site, County Meath, Ireland.* K Barton, C Brady and Steve Davis.

*Identifying The Wessex Culture - A Geophysical Analysis of the Clendon Aggrandised Barrow.* P Cheetham and J Gale.

*Preliminary Geophysical Survey Results From Songo Mnara, Tanzania.* K Welham and H Manley.

*Large Scale Geophysical Surveys at the Roman Legionary Fortress of Inchtuthil, Perth & Kinross, Scotland.* D J Woolliscroft, B Hoffmann and P Morris.

*Archaeomagnetic Prospecting for an Ancient Roman-Byzantine Church Site at Yasilah (Pella) in Northern Jordan.* K Fahmi and A Qazaq.

*Geophysical Prospection in Peatland Environments: A Toolkit for Archaeological Practice.* K Armstrong, T Darvill and P Cheetham.

*Beyond Venus; the Geophysical Survey of Links of Notland, Westray, Orkney.* A Kattenberg and J Kainz.

*Reconstructing the Ring of Brodgar – Using Earth Resistance, ERT and GPR to Locate Further Monoliths.* I Wilkins, M Saunders and A Brend.

*Recent Geophysical Survey at the Site of Çatalhöyük, Turkey.* J Ogden, I Hodder and K Strutt.

*Man and Machine: Progress in Geophysical Data Acquisition and Handling.* M Roseveare and A Roseveare.

*The DART Project: A Major New Investigation Into What Lies Beneath Our Soils.* A. Beck, A Cohn, C Gaffney, N Metje, C Neylon, A Schmidt, M Steven, K Wilkinson, D Boddice, R Fry, L Pring and D Stott.

*Testing a Multi Method Approach for a Geophysical Investigation of Norwegian Iron Age Settlements – Assessment of Methods and Suggestions for a Sequential Survey Design.* A A Stamnes.

*Roman Dalswinton in South West Scotland: A Comparison of Single and Sixteen Sensor Magnetic Surveys.* R Jones, O O’Grady, R Jones and B Hanson.

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Geoscan Research Ltd

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