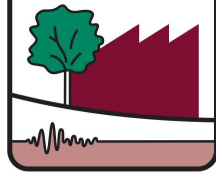


NSGG



Near-Surface
Geophysics Group

Recent Advances in Archaeological Geophysics

The Geological Society
Burlington House, Piccadilly, London W1J 0BG
Tuesday 3rd December 2024

Programme

Lecture Programme:

- 0930-1000 **Registration and Coffee**
- 1000-1005 **Introduction**
- 1005-1020 *From an empty field to the scheduled monument – The role of modern geophysics in the planning system.* A Chmielowska, V Oleksy and J Lawton
- 1025-1040 *Wroxeter Roman City and the Attingham Estate: expanding geophysical horizons in a Romano-British landscape.* P Johnson and C Harris
- 1045-1100 *The role of geophysical survey as an archaeological evaluation technique on large scale solar schemes.*
A James
- 1105-1120 *High Resolution UXO Magnetometry over the Dogger Bank.* B Urmston, V Gaffney and C Gaffney
- Tea/Coffee break**
- 1150-1205 *Multi-disciplinary site investigations of WW2 'British Resistance' operational bases (OBs) in the UK.* J Pringle, K Wisniewski, P Doyle, W Ward, I Stimpson, L Hobson, S Carr, C Kyriakou, R Green and N Hannaford.
- 1210-1225 *I see dead people: 3D ground penetrating radar survey for imaging unmarked graves, clandestine and mass burials.* M Pisz, C Gaffney, D Taylor, J Moore, S Różycki, A Hegyi, R Mieszkowski and S Kowalczyk
- 1230-1245 *Archaeological geophysics and the Shubenacadie Indian Residential School search.* J Fowler, R Knockwood and R Lewis
- 1250-1305 *The ghostly features of Odberg: Studying post-depositional changes in GPR data.* P Schneidhofer, R Cannell, E Nau and C Tinning

- 1310-1410 **Lunch (Lower Library)**
- 1320-1400 **NSGG AGM (Lecture Theatre) – all welcome**
- 1410-1425 *Small change, big consequence: Extended landing gear provides high-quality drone-based magnetic data.* A Steele, C Seisenbacher, L Kaub, G Häußler and R Linck
- 1430-1445 *Validating broadband multispectral vegetation indices to remotely detect shallow subsurface anomalies in temperate, vegetated terrain.* A Morley, T Mather, D Pyle and J M Kendall
- 1450-1505 *A pilgrim's journey: Gradiometer and LiDAR surveys of two islands of ecclesiastical significance on Lower Lough Erne, Enniskillen, County Fermanagh, Northern Ireland.* K Colman, P Edwards, L Jones and A Russell
- 1510-1525 *New geophysical surveys along the course of the Dorchester Roman Aqueduct.* H Manley and N Crabb
- 1530-1545 *Revival of geophysical measurements in Ashur (Iraq).* J Fassbinder and M Wolf
- Tea/Coffee break**
- 1615-1630 *Interactive, shallow machine learning-based semantic segmentation of geophysical data from archaeological sites.* L Verdonck, M Dabas and M Bui
- 1635-1650 *It's in the name: From place name clues to geophysical inversion.* A Schmidt and J Gröber
- 1655-1710 *Getting under the skin of the serpent's tail: Imaging the buried stones and stone holes/pits of the Beckhampton Avenue, Avebury.* P Cheetham, M Gillings and J Lewis
- 1715-1730 *Heading West from Vester Vandet? Interpreting the traces of a Viking-age and high-medieval site in North-Western Denmark.* A Starnes, A Møller, T Christiansen and M Jessen
- 1745-1900 **ISAP AGM (Lecture Theatre)**

Posters (09:30-17:30 in the Lower Library)