

We have been involved with many exciting geophysical discoveries in Ireland and abroad and regard publication and presentation of results as an important outcome of a project. LGS has an established record in publishing and presenting results in books, journals, magazines, field guides, websites, on video and in radio and TV programmes. We are happy to work with clients in jointly publishing and presenting the results of commissioned surveys.

## **1.0 ARCHAEOLOGY**

*1.1 Forthcoming*

*1.2 Journal Papers*

*1.3 Books & Chapters/Sections in Books*

*1.4 Short Communications*

*1.5 Reports*

*1.6 Abstracts*

*1.7 Conference Proceedings, Symposia, Field Guides, Workshops & Field Schools*

*1.8 Conference Sessions*

*1.9 Web Authoring/Editing*

*1.10 TV Programmes and Video Production*

## **2.0 GEOLOGY**

*2.1 Journal Papers*

*2.2 Chapters in Books*

*2.3 Short Communications*

*2.4 Published Reports*

*2.5 Abstracts*

*2.6 Conference Proceedings, Symposia & Field Guides*

## **3.0 PRESENTATIONS – ORAL & POSTERS**

*3.1 Oral*

*3.2 Posters*

## **1.0 ARCHAEOLOGY**

### **1.1 *Forthcoming***

Davis, S., Brady, C., Megarry, W. and **Barton, K.** *Lidar survey in the Brú na Bóinne World Heritage Site* in Opitz, R. and Cowley, D. (eds) *Interpreting Archaeological Topography*, NNNN, NN-NN. Oxbow Books : Oxford

### **1.2 *Journal Papers***

**Barton, K.** 2006. Topographical and Geophysical Surveys at Tankardstown Mine, Bunmahon, County Waterford. *Journal of the Mining Heritage Trust of Ireland*, **5**, 2005, 15-22. MHTI : Dublin.

**Barton, K.** and Fenwick, J. 2005. Geophysical investigations at the ancient royal site of Rathcroghan, County Roscommon, Ireland. *Archaeological Prospection*, **12**, 1-16. Wiley.

Ruffell, A., Geraghty, L., Brown, C. & **Barton, K.** 2004. Ground-penetrating radar facies as an aid to sequence stratigraphic analysis: application to the archaeology of Clonmacnoise Castle, Ireland, *Archaeological Prospection*, **11**, 247-262. Wiley.

Quinn, R., Breen, C., Forsythe, W., **Barton, K.**, Rooney, S. & O'Hara, D. 2002. Integrated geophysical surveys of the French frigate La Surveillante (1797), Bantry Bay, Co. Cork, Ireland, *Journal of Archaeological Science*, **29**, 413-422. Elsevier Science : Netherlands.

Slater, L., Kulesa, B. & **Barton, K.** 1996. An investigation of the ability of geophysical methods to detect and define Fulachta Fia (burnt mounds) on Clare Island, Co. Mayo, Ireland. *Archaeological Prospection*, **3**, 53-69. Wiley.

Lawless, C., **Barton, K.** & Monaghan, D. 1995. Primary observations of a modern working fulachta fiadh and geophysical survey of the modern and an ancient fulachta fiadh in S Mulloy (ed.). *Cathair na Mart*, **15**, 44-58. Westport Historical Society : Westport.

### **1.3 *Books & Chapters/Sections in Books***

Brockman, A. and **Barton, K.** 2009. *Air Photographs, Military Archaeology and Human Memory: A Case Study from South East London* in B Stichelbaut, J Bourgeois, N Saunders & P Chielens (eds.). *Images of Conflict: Military Aerial Photography & Archaeology*, 221-240. Cambridge Scholars Publishing : Newcastle.

Waddell, J., Fenwick, J. & **Barton, K.** 2009. *Rathcroghan, Co. Roscommon: Archaeological and Geophysical Survey in a Ritual Landscape*, 249pp. Wordwell : Bray.

**Barton, K.J.** 2003. *Geophysical survey* in B Lalor (ed.). *The Encyclopedia of Ireland*, 435. Gill & Macmillan : Dublin.

**Barton, K.J.** 2002. *Terrestrial and waterborne geophysical survey for road schemes in J O'Sullivan (ed.) Archaeology and the National Roads Authority; Proceedings of two seminars in 2002 on provisions for archaeological work within the national roads programme.* Monograph series **1**, 69-80. National Roads Authority : Dublin.

Quinn, R., Rooney, S., **Barton, K.**, O'Hara, D. & Sheehan, K. 2001. *An integrated marine geophysical investigation of the La Surveillante wreck-site in C Breen (ed.) Integrated Marine Investigations on the Historic Shipwreck La Surveillante, Centre for Maritime Archaeology Monograph Series 1*, 45-53. University of Ulster : Coleraine.

Cahill, M. and **Barton, K.J.** 1990. *A detailed resistivity survey to map subsurface features in the vicinity of Kilnamanagh/Abbeytown cemetery in J Higgins & A McHugh (eds.) The White Cannons, Abbeytown, Cill-Na-Managh; a history of the monastery of the White Cannons and other historical places in the district of Maigh Seola, Environment and Heritage Monographs, 2.* Crow's Rock Press : Galway.

#### **1.4 Short Communications**

**Barton, K.**, Pašteka, R., Zahorec, P., Papčo, J. & Brady, C. 2011. In search of hidden chambers at Newgrange Passage Tomb. *Archaeology Ireland*, **25** (4), 11-12. Wordwell : Bray.

Brady, C. and **Barton, K.** 2009. A 'New' Neolithic Enclosure at Rosnaree, Brú na Bóinne, County Meath. *PAST, Newsletter of the Prehistoric Society*, **62**, 2-5.

Fenwick, J., Geraghty, L., Waddell, J. & **Barton, K.** 2006. The innermost secrets of Rathcroghan Mound. *Archaeology Ireland*, **20** (2), 26-29. Wordwell : Bray.

**Barton, K.** 2006. Moygara Castle Research Project. *The Corraun Herald*, **39** (2006/2007), 37. Ballymote Heritage Group, Ballymote, Co Sligo.

Read, C., Finan, T. & **Barton, K.** 2005. Initial Findings at Kiltasheen, Knockvicar, Co. Roscommon. *Archaeology Ireland*, **19** (3), 18-20. Wordwell : Bray.

Fenwick, J., Brennan, Y., **Barton, K.** & Waddell, J. 1999. The magnetic presence of Queen Maeve. *Archaeology Ireland*, **13** (1), 8-11. Wordwell : Bray.

**Barton, K.** and Orser, C. 1998. *Archaeological geophysical surveys and excavation results from cottier village sites on the Mahon Estate, Co. Roscommon*, IQUA Newsletter 7-8. Irish Association for Quaternary Studies : Dublin.

Breen, C. and **Barton, K.** 1998. Mapping 'the Frenchman' in Bantry Bay: La Surveillante revisited. *Archaeology Ireland*, **12** (3), 8-12. Wordwell : Bray.

**Barton, K.J.** 1997. *Historical data on the application of geophysics in archaeology in Ireland*, IAPA Newsletter, **24**, 11. Bulletin of the Irish Association of Professional Archaeologists.

Waddell, J. and **Barton, K.** 1995. Seeing beneath Rathcroghan. *Archaeology Ireland*, **9** (1), 38-41. Wordwell : Bray.

### **1.5 Reports**

**Barton, K.J.**, Lavelle, M.M.R. & Ramos Julian, E.M. 1993. *Geophysical surveys in support of archaeological investigations on Clare Island, Co Mayo, 1992* in P Gosling (ed.) Royal Irish Academy, New Survey of Clare Island, 1991-1995; Archaeology Section, 44-52. Unpublished.

**Barton, K.** 2010. *Geophysical Investigations*. in S. Davis, W. Megarry, C. Brady, H. Lewis, T. Cummins, L. Guinan, J. Turner, C. Gallagher, T. Brown and R.Meehan. Boyne Valley Landscapes Project: Phase III Final Report 2010. Heritage Council, Irish National Strategic Archaeological Research (INSTAR) Programme 2010, 91-129. Unpublished

### **1.6 Abstracts**

**Barton, K.**, Brady, C. and Seaver, M. 2011. *Some Geophysical Survey Methodologies for Archaeological Research in the Brú na Bóinne World Heritage Site, County Meath, Ireland*. 'Near Surface 2011' 17<sup>th</sup> European Meeting of Environmental and Engineering Geophysics, European Association of Geoscientists and Engineers, University of Leicester, England, 13th September 2011. Conference Proceedings & Exhibitors Catalogue. D11. CD-ROM, ISBN 978-90-73834-15-6. EAGE : Houten.

**Barton, K.**, Bonsall, J. & Gimson, H. 2007. *The role of archaeological geophysics in development-led housing, road and tourism projects in Ireland*. Securing the Future : 69th European Association of Geologists and Engineers Conference and Exhibition, 11 -14 June 2007, ExCeL, London. Extended Abstracts & Exhibitors' Catalogue, 105. CD-ROM, ISBN 978-90-73781-54-2. EAGE : Houten

Duffy, G., Brown, C. & **Barton, K.** 2005. *Geophysical insights on the palaeo-landscape of the River Shannon at Clonmacnoise and lessons for the medieval engineer*. Irish Quaternary Association Newsletter, **34**, April 2005. Irish Quaternary Association : Dublin.

**Barton, K.** 2004. *In search of lost horizons: application of geophysical techniques to a nineteenth century settlement and an industrial site in Ireland*. Symposium: New Perspectives on Historic Ireland: Medieval and Post-Medieval Research, Part II, Conference on Historical and Underwater Archaeology, 37th Annual Conference for Society for Historical Archaeology, 7 -11 January 2004, St Louis, Missouri, USA. Program and Abstracts, 92. Unpublished.

**Barton, K.**, Madden, M., Hogan, L. & Rooney, S. 1999. *Geophysical images of a rath and souterrain near Mayo Abbey, Co. Mayo, Ireland*. Computer Applications in Archaeology, Programme & Abstracts, 40, International Conference, Dublin Castle, Dublin. Unpublished.

Madden, J., Barton, **K.** & O'Rourke, and S. 1999. *Geophysical images from an early Christian monastic enclosure at Mayo Abbey, Claremorris, Co Mayo*. Computer Applications in Archaeology, Programme & Abstracts, 41, International Conference, Dublin Castle, Dublin. Unpublished.

**Barton, K.J.**, Brennan, Y.M. & Delaney, C. 1996. *Recent results from the ArchaeoGeophysical Imaging Project (AGIP) at Rathcroghan Mound, near Tulsk, County Roscommon, Ireland*. Programme and Abstracts, 35, 39th Annual Irish Geological Research Meeting 1996, University College Dublin. Unpublished.

**Barton, K. J.** and Waddell, J. 1995. *Recent results from the archaeogeophysical imaging project at Rathcroghan Mound, near Tulsk, County Roscommon, Ireland*. Abstracts of papers presented at the Environmental and Industrial Geophysics Group of the Joint Association of Geophysics, Geological Society Meeting, British Geological Survey, Keyworth, England. Unpublished.

### ***1.7 Conference Proceedings, Symposia, Field Guides, Workshops & Field Schools***

**Barton, K.** and Brady, C., (Editors). 2012. *An Introduction to Multi-Method Archaeological Site Survey: Surface Collection and Remote Sensing*. International Field School at the Hill of Slane, County Meath, Ireland. 8<sup>th</sup> to 13<sup>th</sup> April 2012. Field School Manual, Version 1.1. 85pp. Unpublished.

**Barton, K.**, Stenvik, L. & Birgisdottir, B. 2009. *A Chieftain's Hall or a Grave: Ground Penetrating Radar in an Archaeological Geophysics Survey to Target the Excavation of a Cropmark near Stiklestad, Nord-Trøndelag, Norway* in R. Gómez Martin, A. Rubio Bretones, S.G. Garcia, M. Fernández Pantoja & C.M. de Jong van Coevorden (eds.) Proceedings of the 5th International Workshop on Advanced Ground Penetrating Radar IWAGPR2009, 27<sup>th</sup> – 29<sup>th</sup> May 2009, University of Granada, Granada, Spain, 159-164. ISBN : 978-84-692-2661-2.

**Barton, K.**, Stenvik, L., Foosnæs, K. & Callanan, M. 2009. *Archaeological Geophysics Workshop*, Stiklestad Nasjonale Kultursenter, Stiklestad, Norway, 28<sup>th</sup> to 29<sup>th</sup> September 2009. Workshop notes. Unpublished.

**Barton, K.J.** 2003. *Geophysics in archaeology*. Techniques and Practices in Mineral Exploration in Ireland; Student weekend course Petersburg Centre, Clonbur, Co. Galway, 111-116, Irish Association for Economic Geology & Geophysical Association of Ireland. Unpublished.

**Barton, K.J.** and Lawless, C. 1998. *Fulachta fiadh - a brief review* in K Barton & K Molloy (eds.). South Central Mayo; Field Guide **22**, 50-51. Irish Association for Quaternary Studies : Dublin.

**Barton, K.J.**, Lawless, C. & Monaghan, D. 1998. *A geophysical survey of an ancient and modern fulacht fiadh, Lack East, Turlough, Co. Mayo* in K Barton & K Molloy (eds.). South Central Mayo; Field Guide **22**, 52-55. Irish Association for Quaternary Studies : Dublin.

Madden, J. and **Barton, K.J.** 1998. *Using geophysics to detect sub-surface archaeological features at the monastic enclosure at Mayo Abbey - preliminary results* in K J Barton and K Molloy (eds.). South Central Mayo; Fieldguide **22**, 48-49. Irish Association for Quaternary Studies : Dublin.

**Barton, K.** 1997. *Magnetic Gradiometry – Theory and Practice* in M. McCarthy & K. O’Callaghan (Compilers) *Thios an Thalamh; An Introduction to Archaeological Geophysics*, 5-7, University College Cork, 22<sup>nd</sup> to 23<sup>rd</sup> February, 1997. Course notes. Unpublished.

**Barton, K.** 1997. *The Development of Geophysics in Archaeological Prospection in Ireland* in M. McCarthy & K. O’Callaghan (Compilers) *Thios an Thalamh; An Introduction to Archaeological Geophysics*, 17-19, University College Cork, 22<sup>nd</sup> to 23<sup>rd</sup> February, 1997. Course notes. Unpublished.

**Barton, K.** 1997. *Rathcroghan Mound, Co Roscommon – An ArchaeoGeophysical Case History* in M. McCarthy & K. O’Callaghan (Compilers) *Thios an Thalamh; An Introduction to Archaeological Geophysics*, 39, University College Cork, 22<sup>nd</sup> to 23<sup>rd</sup> February, 1997. Course notes. Unpublished.

**Barton, K.J.** and Kulesa, B. 1994. *Geophysical images of a fulachta fia at Capnagower, Clare Island* in P Coxon & M O’Connell (eds.). *Clare Island and Inishbofin; Field Guide 16*, 39-42, Irish Association for Quaternary Studies : Dublin.

**Barton, K.** 1993. *Geophysical data acquisition and processing* in E Naughton (Compiler) *Developments in Environmental and Industrial Geophysics: Introduction to Archaeological Geophysics*, 84-93, University College Galway 30th November to 2nd December 1993. Unpublished.

### **1.8 Conference Session**

**Barton, K.** and Brady, C. 2011. ‘*Crossover studies*’: *learning from comparisons and combinations of remote sensing (and other) techniques*. Co-Chairmen, *Ambitions and Realities; Remote Sensing for Archaeology, Research and Conservation*. Joint meeting of the Aerial Archaeology Research Group and European Association of Remote Sensing Laboratories, Institute of Prehistory, Adam Mickiewicz University, Poznan, Poland, 22<sup>nd</sup> September 2011.

### **1.9 Web Authoring/Editing**

**Barton, K.** 2003. *Travels in Time*. Project 2002-0370/001-001 CLT-CA12, EU Framework programme “Culture 2000”. [www.travels-in-time.net](http://www.travels-in-time.net) [accessed 2/1/2011]

Brett, J. and **Barton, K.** 2000. *Mayo through the Millennia; Landscape, Archaeology and History*. Conference website. [www.mayoheritage.com](http://www.mayoheritage.com) [accessed 2/1/2011]

### **1.10 TV Programmes and Video Production**

**Barton, K.**, Pašteka, R., Zahorec, P., Papčo, J. & Brady, C. 2011. *RTE 6 O’clock News*. Contributors and participants on microgravity survey at Newgrange Passage Tomb in RTE News item. Transmitted 17<sup>th</sup> October 2011. 3 minutes, RTE, Dublin.

**Barton, K.,** Bonsall, J & Gimson, H. 2009. *Secrets of the Stones : God's Architects*. Contributors and participants on archaeological geophysical surveys at Clonmacnoise in a documentary in RTE Factual Series. Transmitted 4th May 2009. 52 minutes, RTE, Cork.

**Barton. K.** 2003. *Famine to Freedom: The Great Irish Journey*, Moments in Time Series. Contributor and participant on archaeological geophysical survey in a drama documentary for the Discovery Channel, 60 minutes. Terra Nova Television, Los Angeles, California, USA.

Brett, J., **Barton. K.** & McLoughlin, C. 1998. *Mayo Abbey; Building a Future from the Past*. Co-script writer and participant. PAL Video, 24 minutes. Ward Clements & Co Ltd, Glasgow.

## 2.0 GEOLOGY

### 2.1 *Journal Papers*

O'Connell, M., Molloy, K., Saarinen, T., Schettler, G., McDermott, F., Hawkesworth, C.J., Huang, Y., Holmes, J.A., Jones, R., Leuenberger, M., Chambers, F.M., Hunt, J.B., Daniell, J., van der Plicht, J., Heijnis, H., van Geel, B., **Barton, K.**, Hass, J.N. & Dalton, C. 2000. Human impact and climate change at the western fringe of Europe: multidisciplinary studies of calcareous sediments from An Loch Mór, Aran Islands, W. Ireland. *Terra Nostra*, 2000, 77-81.

### 2.2 *Chapters in Books*

**Barton, K.**, Brock, A. & Sides, A. 1989. *Preliminary results from temperature, heat flow and heat production studies in Ireland* in K Louwrier, E Staroste, J D Garnish & V Karkoulas (eds.) European Geothermal Update, 551-559. Kluwer : Dordrecht.

Woodham, C.R. and **Barton, K.J.** 1992. *Developments in regional and reconnaissance geophysical techniques in exploration with reference to the Irish midlands* in A A Bowden, G Earls, P G O'Connor & J C Pyne (eds.) The Irish Minerals Industry 1980-1990, 369-382. Irish Association for Economic Geology : Dublin.

Brock, A. and **Barton, K.** 1985. *Equilibrium temperature and heat flow density measurements in Ireland* in A S Strub & P Ungemach (eds.) European Geothermal Update 361-368. Reidel : Dordrecht.

McCann, D., **Barton, K.J.** & Hearn, K. 1983. *Geophysical logging in a crystalline rock mass*, SPWLA 8th European Formation Evaluation Symposium London, G1-G22. Society of Professional Well Log Analysts : London.

### 2.3 *Short Communications*

**Barton, K.J.** and Brown, C. 1989. *Recent developments in microcomputer applications in geophysics* in L Farrell & G Ll Jones (eds.) Annual Review 1989, 39-41. Irish Association for Economic Geology : Dublin.

Feely, M. and **Barton, K.J.** 1987. *A review of the building stones in Galway City* in C Andrew & S Brand (eds.) Annual Review 1987, 73-74. Irish Association for Economic Geology : Dublin.

Feely, M. and **Barton, K.** 1987 *A review of the building stones in Galway City*. Carraig 3, 47-54. Bulletin of the Geological Society, University College Galway. Unpublished.

**Barton, K.J.** 1987. *Applied geophysics in groundwater exploration; No 1 setting the scene* in D Daly (ed.) The GSI Groundwater Newsletter, 5, 1-2. Geological Survey of Ireland : Dublin.

**Barton, K.J.** 1987. *Applied geophysics in groundwater exploration; No 2 resistivity - vertical electric soundings (VES) in D Daly* (ed.) The GSI Groundwater Newsletter, **6**, 7-8. Geological Survey of Ireland : Dublin.

**Barton, K.J.** 1988. *Applied geophysics in groundwater exploration; No 3 resistivity - the pseudosection in D Daly* (ed.) The GSI Groundwater Newsletter, **8**, 12. Geological Survey of Ireland : Dublin.

**Barton, K.J.** 1989. *Applied geophysics in groundwater exploration; No 4 resistivity - Wenner profiling near Kinvara, Co. Galway in D Daly* (ed.) The GSI Groundwater Newsletter, **11**, 7. Geological Survey of Ireland : Dublin.

#### **2.4 Published Reports**

Parsons, A., **Barton, K.**, Berry, A., Brown, C., Curtis, J., Emblow, C., Hartnett, M., Nash, S. & Rooney, S. 2004. *Feasibility Study on the Establishment of a Large Scale Inshore Resource Mapping Project*, NDP Marine RTDI Desk Study Series DK/01/007, 224pp. Marine Institute : Galway.

O'Connor, P.J., Gallagher, V., Madden, J.S., Van den Boom, G., McLaughlin, J.P., McAulay, I.R., **Barton, K.J.**, Duffy, J.T., Muller, R., Grimley, S., Marsh, D., Mackin, G. & Mac Niocaill, C. 1993. *Assessment of the geological factors influencing the occurrence of radon hazard areas in a karstic region*, Report Series, **93/2**, 204pp. Geological Survey of Ireland : Dublin.

Kimbell, G.S., Burley, A.J., Parker, M.E., Pease, S.F. & **Barton, K.J.** 1984. *The gravity survey of Molopo Farms area, southern Botswana*, Bulletin of the Geological Survey of Botswana, **30**, 101pp. Geological Survey of Botswana : Lobatse.

McCann, D., **Barton, K.J.** & Hearn, K. 1981 *Geophysical borehole logging with special reference to Altnabreac, Caithness*, Rep. Inst. Geol. Sci., ENPU 81-11, 189pp. Institute of Geological Sciences : London.

#### **2.5 Abstracts**

Duffy, G., Brown, C. & **Barton, K.** 2005. *Geophysical insights on the geomorphology and palaeo-landscape of the River Shannon at Clonmacnoise and offshore west of Kerry Head*. Irish Quaternary Association Newsletter, 34, April 2005. Irish Quaternary Association : Dublin.

O'Connor, M., O'Toole, L., **Barton, K.** & Sheehy Skeffington M. 1994. *The vegetation ecology of the Roundstone bog complex, Connemara, Co. Galway* in B S Rushton and A M Flinn (eds.) Abstracts of papers and posters and list of contributors, Proceedings of the Irish Botanists' Meeting 1994. University of Ulster:Coleraine.

Whelan, J.P., **Barton, K.J.** & Hill, E.R.G. 1987. *A magnetotelluric profile across the Irish midlands*. International Union of Geodesy and Geophysics XIX General Assembly, Vancouver, Canada **2**. IUGG.

**Barton, K.J.** and Derham, J. 1987. *Geophysical surveys over fracture zones in the Galway granite at Mace Head, Co. Galway*, *Geophysical Journal of the Royal Astronomical Society* (1987), **89**, 456.

### **2.6 Conference Proceedings, Symposia and Field Guides**

Feely, M. (with contributions by J. Hunt, J. Lidwill & **K. Barton**) 2002. *Galway in Stone: a geological walk in the heart of Galway*. Geoscapes : Dublin.

O'Connell, M., Molloy, K., Holmes, J.A., Jones, R., Saarinen, T., Roberts, M., McDermott, F., Hawkesworth, C.J., **Barton, K.**, Leuenberger, M., Eicher, U., Chambers, F.M., Hunt, J.B., van der Plicht, J., van Geel, B., Schettler, G., Dalton, C., Battarbee, R.W., Dörfler, W., Usinger, H. & Hass, J.N. 2000. Timing and mechanisms of Holocene climate change in NW Europe (TIMECHS): multidisciplinary investigations of calcareous, lake sediments from Inis Oírr, Aran Islands, W. Ireland. In: *Proceedings of European Climate Science Conference, Vienna (19 – 23, October 1998)*. CD-ROM, EU Commission, Brussels.

**Barton, K.J.** and Molloy, K. (eds.) 1998. South Central Mayo; Fieldguide **22**, 73pp. Irish Association for Quaternary Studies : Dublin.

**Barton, K.** 1995. The Quaternary and Industrial Development, Annual Symposium 1995, Programme with Abstracts. 13pp. Irish Association for Quaternary Studies : Dublin.

### **3.0 PRESENTATIONS – ORAL & POSTERS**

#### ***3.1 Oral***

Presenter(s) underlined

##### 2012

Davis, S., Brady, C. and **Barton, K.** 2012. *Multi-method archaeological prospection in the Brú na Bóinne WHS, Co. Meath, Ireland*. Computer Applications and Quantitative Methods in Archaeology, CAA 2012, University of Southampton, England, 26<sup>th</sup> – 30<sup>th</sup> March

**Barton, K.** 2012. *The Light Fantastic; A Preliminary Analysis of Airborne LiDAR data from the Rathcroghan Complex, Co Roscommon*. Conference; “Rathcroghan; An Enigmatic Landscape”, Tulsk, Co Roscommon, 13<sup>th</sup> – 15<sup>th</sup> April 2012

##### 2011

Gibbons, M., Joyce, S. & **Barton, K.** 2011. *The Marconi Station at Derrigimlagh*. Clifden and Connemara Heritage Society, joint public lecture, Clifden Station House Hotel, Clifden, Co Galway, 15<sup>th</sup> January 2011

**Barton, K.** 2011. *Seeing beneath the soil and water in the Boyne Valley; geophysical surveys reveal there's more than meets the eye*. ‘Recent Research in the Boyne Valley’ public seminar, dHotel, Scotch Hall, Drogheda, Co. Louth, 26<sup>th</sup> February 2011.

**Barton, K.**, Brady, C. & Seaver, M. 2011. *Some Geophysical Survey Methodologies for Archaeological Research in the Brú na Bóinne World Heritage Site, County Meath, Ireland*. ‘Near Surface 2011’ 17<sup>th</sup> European Meeting of Environmental and Engineering Geophysics, European Association of Geoscientists and Engineers, University of Leicester, England, 13<sup>th</sup> September 2011.

**Barton, K.**, Brady, C. & Seaver, M. 2011. *A Tale of Two Mounds: Integrating LiDAR and Multi-method Geophysical Survey in Investigations on Rathcroghan Mound and the Hill of Slane, Ireland* ‘Ambitions and Realities; Remote Sensing for Archaeology, Research and Conservation’ Joint meeting of the Aerial Archaeology Research Group and European Association of Remote Sensing Laboratories, Institute of Prehistory, Adam Mickiewicz University, Poznan, Poland, 21<sup>st</sup> -24<sup>th</sup> September 2011.

**Barton, K.** and Joyce, S. 2011. *1919, a Man with a Limp and the Hole in the Bog*. Informal session, ‘Ambitions and Realities; Remote Sensing for Archaeology, Research and Conservation’ Joint meeting of the Aerial Archaeology Research Group and European Association of Remote Sensing Laboratories, Institute of Prehistory, Adam Mickiewicz University, Poznan, Poland, 21<sup>st</sup> – 24<sup>th</sup> September 2011.

Brady, C. and **Barton, K.** 2011. *From the Ground Up: Multi-method survey and excavation at Rosnaree, Brú na Bóinne WHS, Ireland*. ‘Ambitions and Realities; Remote Sensing for Archaeology, Research and Conservation’ Joint meeting of the Aerial Archaeology Research Group and European Association of Remote Sensing Laboratories, Institute of Prehistory, Adam Mickiewicz University, Poznan, Poland, 21<sup>st</sup> -24<sup>th</sup> September 2011.

Davis, S., Brady, C., Megarry, W. & **Barton, K.** 2011. *The Boyne Valley Landscapes Project 'Ambitions and Realities; Remote Sensing for Archaeology, Research and Conservation'* Joint meeting of the Aerial Archaeology Research Group and European Association of Remote Sensing Laboratories, Institute of Prehistory, Adam Mickiewicz University, Poznan, Poland, 21st – 24<sup>th</sup> September 2011.

Brady, C. and **Barton, K.** 2011. *Life and Death on the Banks of the Boyne in the Early Medieval Period: The survey and excavation of the Rosnaree Enclosure.* 'Vikings in County Louth; Raiders, Traders and Innovators' Conference, County Museum, Dundalk, 21<sup>st</sup> to 23<sup>rd</sup> October, 2011.

Gibbons, M., Joyce, S. & **Barton, K.** 2011. *Clifden Marconi Station, a global communication hub, 1905-1922 (a lost industrial landscape).* 'Heritage tourism and community initiatives : the value of communicating archaeology' Autumn Conference, Institute of Archaeologists of Ireland, Gresham-Metropole Hotel, Cork City, 4th & 5th November 2011.

Brady, C., Seaver, M. & **Barton, K.** 2011. *The Hill of Slane Archaeological Project.* 'Heritage tourism and community initiatives : the value of communicating archaeology' Autumn Conference, Institute of Archaeologists of Ireland, Gresham-Metropole Hotel, Cork City, 4th & 5th November 2011.

**Barton, K.**, Joyce, S. & Gibbons, M. 2011. *Investigating the Marconi Wireless Transmission site (1905 – 1922) at Derrigimlagh and the Alcock & Brown landing site (1919) to the south.* Council for Independent Archaeology AGM & Conference, Sharpes Pottery Museum, Swadlincote, South Derbyshire, England, 27<sup>th</sup> November 2011.

#### 2010

**Barton, K.**, Bonsall, J., & Gimson, H. 2010. *Wetland Geophysics; Some Applications in Irish Archaeological Settings.* Wetland Archaeology in Ireland and Beyond. Conference, University College Dublin. 6<sup>th</sup> to 7<sup>th</sup> February 2010.

**Barton, K.**, Bonsall, J., & Gimson, H. 2010. *Wetland Geophysics; Some Applications in Irish Archaeological Settings.* Lecture for Dept of Archaeology, Norwegian University of Science and Technology study visit to Ireland, Mill Times Hotel, Westport, Co Mayo. 12th March 2010.

**Barton, K.** and Brady, C. 2010. *The Discovery of the Rosnaree Enclosure, Co Meath, Ireland: Implications for the Continuing Evaluation of the Archaeological Potential of the Brú na Bóinne World Heritage Site.* Recent Work in Archaeological Geophysics, Near-Surface Geophysics Group, the Geological Society, Burlington House, London. 15<sup>th</sup> December 2010.

2009

**Barton, K.** 2009. *There's more than meets the eye at Rathcroghan Mound*. Lecture for Dept of Archaeology, Norwegian University of Science and Technology study visit to Ireland, Westport Inn, Westport, Co Mayo. 13th March 2009.

**Barton, K.**, Stenvik, L. & Birgisdottir, B. 2009. *A Chieftain's Hall or a Grave: Ground Penetrating Radar in an Archaeological Geophysics Survey to Target the Excavation of a Cropmark near Stiklestad, Nord-Trondelag, Norway*. 5th International Workshop on Advanced Ground Penetrating Radar IWAGPR2009, University of Granada, Granada, Spain. 27<sup>th</sup> to 29th May 2009.

**Barton, K.** and Stenvik, L. 2009. *The Painful Heritage Project*. Public Lecture, Falstad Memorial and Human Rights Centre, Falstad, Nord-Trondelag, Norway. 16th August 2009.

**Barton, K.**, Bonsall, J. & Gimson, H. 2009. *Multi-method Geophysical Survey Reveals some Secrets of the Stone*. Clonmacnoise Studies 3, Seminar, Clonmacnoise National School. 3rd October 2009.

2008

**Barton, K.** and McCarthy, M. 2008. *Newgrange cursus to the passage tomb: seeing beneath the soil with geophysical surveys*. Brú na Bóinne World Heritage Site Research Framework, Heritage Council Public Information Seminar, Conyngham Arms Hotel, Slane, Co, Meath. 11th March 2008.

**Barton, K.**, Bonsall, J. & Gimson, H. 2008. *Investigating enclosures: one geophysical tool or many?* World Archaeology Congress 6 – University College Dublin. 29th June to 4th July 2008.

Stenvik, L., **Barton, K.**, Bonsall, J., Gimson, H. & Randolph, C. 2008. *Cropmarks in the landscape; a Chieftain's Hall near Stiklestad, Nord-Trondelag, Norway?* World Archaeology Congress 6 – University College Dublin. 29th June to 4th July 2008.

Stenvik, L. and **Barton, K.** 2008. *Multi-Method Archaeological Geophysics in Ireland and Norway; Research and Developments at NTNU, Trondheim*. Riksantikvaren, Direktoratet for Kulturminneforvaltning, Oslo, Norway. 26<sup>th</sup> August 2008.

**Barton, K.** and Stenvik, L. 2008. *The Application and Evaluation of Topographic and Geophysical Techniques in the Investigation of a Cropmark at Stiklestad, Nord-Trondelag*. 9th Nordic Conference on the Application of Scientific Methods in Archaeology - SMIA. National University of Science and Technology, Trondheim, Norway. 11th to 14<sup>th</sup> September 2008.

Sæther, T., **Barton, K.** & Gimson, H. 2008. *Seeing beneath the soil at Hamar; preliminary results from geophysical surveys*. Stiftelsen Domkirkeodden, Hamar, Norway. 23rd September 2008.

**Barton, K.** 2008. *Mapping Moygara Castle; from Markus Casey's instrument survey to the Moygara Castle Research Project*. Institute of Archaeologists of Ireland, Autumn Conference 2008, Clarion Hotel, Sligo. 17th to 19th October, 2008.

**Barton, K.** 2008. *Newgrange Passage tomb and the Cursus: There's more to see than meets the eye*. Autumn Lecture Series, Brú na Boinne Visitor Centre, Newgrange, Co Meath. 22nd October 2008.

2007

**Barton, K.** 2007. *In Search of Lost Horizons; Geophysical Surveys of some Terrestrial and Underwater Archaeology Sites in Ireland*. Lecture for Dept of Archaeology, Norwegian University of Science and Technology study visit to Ireland, Westport Inn, Westport, Co Mayo. 6th March 2007.

**Barton, K., Stenvik, L.,** Binns, R., Eide, E. & Kimo, I.M. 2007. *Geophysical Surveys at Munkeby Kloster, Levanger, Trøndelag, Norway*. Seminar; Norwegian University of Science and Technology and Institute of Technology, Sligo, IT Sligo. 7th March 2007.

**Barton, K.,** Binns, R., Eide, E. & Stenvik, L. 2007. *Results from Archaeological Geophysical Surveys carried out at Munkeby Kloster, Levanger*. Geofysikk – seminar, Midgard Historisk Senter, Horten, Norway. 26th to 27th April 2007.

**Barton, K.,** Bonsall, J. & Gimson, H. 2007. *Underground, under mound and underwear; some archaeological places that research and commercial GPR surveys have taken us*. Ground Penetrating Radar in the Built and Natural Environment : Geophysical Association of Ireland : Seminar '07, Green Isle Hotel, Newland's Cross, Dublin. 23rd May 2007.

**Barton, K.** 2007. *Columban Connections; Geophysical Images of Monastic Sites at Mayo Abbey and Glencolmcille*. Heritage Week Public Lecture, Oideas Gael, Glencolmcille, Co Donegal. 30th August 2007.

**Barton, K.** 2007. *Geofysikk og Arkeologi*. Public Lecture, Stiklestad Nasjonale Kultursenter, Stiklestad, Norway. 26<sup>th</sup> September 2007.

2006

**Barton, K.** 2006. *Circles, arcs and lines : glimpses of prehistoric Ireland from archaeological geophysics*. Public Lecture, Institute of Technology, Sligo. 6th March 2006.

**Barton, K.** 2006. *Circles, arcs and lines : glimpses of prehistoric Ireland from archaeological geophysics*. Excavation Fieldschool, Glenveagh, Co Donegal, Centre for the Study of Rural Ireland, Illinois State University. Donegal County Museum, Letterkenny, Co Donegal. 30th June 2006.

**Barton, K.** 2006. *Circles, arcs and lines : glimpses of prehistoric Ireland from archaeological geophysics*. Museum of Natural History and Archaeology, Norwegian University of Science and Technology, Trondheim. 11th September 2006.

**Barton, K.** 2006. *Seeing beneath the soil; some glimpses of prehistoric Ireland from archaeological geophysics*. Public Lecture, Donegal County Museum, Letterkenny, Co Donegal, 27th September 2006.

**Barton, K.** and Harte, M. 2006. *Beltany – A Geophysical Perspective*. Beltany - from Druid to Abbot, Footprints on our Landscape, Conference with associated field excursions & community exhibition, Cathedral Hall, Raphoe, Co. Donegal. 6th to 8th October 2006.

**Brockman, A.** and **Barton, K.** 2006. *Air Photographs, Military Archaeology and Human Memory: A case study from South East London*. Conference; Military Aerial Photography and Archaeology, Flanders Field Museum, Ieper, Belgium. 19th to 21st October 2006.

#### 2005

**Barton, K.,** Farrell, A. & **Coxon, P.** 2005. *The geology of the Woodstown Wetland, Waterford, the N25 and the Vikings next door*. Joint lecture, Lunchtime Lecture Series, Dept of Geology, Trinity College, Dublin. 27th January 2005.

**Barton, K.** 2005. *Introduction to the pre-Christian archaeology of Raphoe, Co Donegal and results from the geophysical survey of Beltany Stone Circle*. Public lecture, Cathedral Hall, Raphoe, Co. Donegal for Raphoe Community in Action. 2nd February 2005.

**Barton, K.** 2005. *Application of archaeogeophysical survey at Rathcroghan, Co Roscommon and Woodstown, Co Waterford*. Lecture for Dept of Archaeology, Norwegian University of Science and Technology study visit to Ireland, Westport Inn, Westport, Co Mayo. 9th March 2005.

**Barton, K.** 2005. *Application of geophysical survey techniques to prospective inshore, riverine and lacustrine archaeological sites*. Tayleur 150 Seminar, 'Recent Advances in Irish Maritime Technology, History and Archaeology', University College Dublin. 23rd April 2005.

**Carter, S.** and **Barton, K.** 2005. *Sedimentological and geophysical assessment in the Shannon Estuary in advance of the Limerick Southern Ring Road*. Joint contribution to National Roads Authority Seminar on Estuarine/Alluvial archaeology in Ireland. Towards best practice. University College Dublin. 26th May 2005.

**Barton, K.** 2005. *Archaeological geophysical surveys and palaeo-environmental assessment at the Woodstown 6 Hiberno-Norse Site, Co Waterford, Ireland*. Public Lecture, Excavation Fieldschool, Riverstown, Co Sligo, Centre for the Study of Rural Ireland, Illinois State University. Sligo Folk Park, Riverstown, Co Sligo. 29<sup>th</sup> June 2005.

**Barton, K.** and Harte, M. 2005. *Riddle of the stones, a geophysical survey of Beltany Stone Circle*. Beltany; Rediscovering an Ancient Landscape, Conference with associated field excursions & community exhibition, Cathedral Hall, Raphoe, Co. Donegal. 7th to 9th October 2005.

**Barton, K.** 2005. *Circles, arcs and lines : glimpses of prehistoric Ireland from archaeological geophysics*. Twelfth John Jackson Memorial Lecture, Royal Dublin Society, Dublin. 25th October 2005.

**Barton, K.** 2005. *Clew Bay Landscapes : Evolving Stories of Rock, Ice and Sediment*. Marine Institute, Newport Golden Jubilee Lecture Series, No 4, "Burrishoole - Past, Present & Future", Newport Hotel, Newport, Co Mayo. 17<sup>th</sup> November 2005.

**Barton, K.** 2005. *History and Archaeology of the Monastic Enclosure at Mayo Abbey*. Claremorris Historical Society. Townhall, Claremorris, Co Mayo. 21st November 2005.

#### 2004

**Barton, K.** 2004. *In search of lost horizons: application of geophysical techniques to a nineteenth century settlement and an industrial site in Ireland*. Symposium: New Perspectives on Historic Ireland: Medieval and Post-Medieval Research, Part II, Conference on Historical and Underwater Archaeology, 37th Annual Conference for Society for Historical Archaeology, St Louis, Missouri, USA. 7th to 11th January 2004.

**Barton, K.** 2004. *Presenting the past – stones, Vikings, trackways and castles; some community-based heritage projects from County Mayo*. Dingle Historical and Walking Society, An Díseart, Dingle, Co Kerry. 23rd January 2004.

**Barton, K.** 2004. *In search of lost horizons; remote sensing of archaeological sites in Ireland*. Seminar on *Teampall Bán* archaeological site, Ballyferriter, Co Kerry, Kerry VEC. 24th January 2004.

**Barton, K.** 2004. *Archaeological geophysics in Ireland; past, present and future*. Archaeo-geophysics Seminar, Geophysical Association of Ireland, Institution of Engineers of Ireland, Dublin. 26th May 2004.

**Barton, K.** 2004. *Present and future practice in the application of geophysical survey to road schemes*. Archaeological Geophysics Workshop, Project Archaeologists' Meeting, National Roads Authority, Killaloe, Co Clare. 29th October 2004.

**Barton, K.,** Bonsall, J., Gimson, H. & O'Brien, R. 2004. *Woodstown Viking Enclosure, Co. Waterford, Ireland*. Recent work in Archaeological Geophysics, Environmental and Industrial Geophysics Group, Geological Society, Burlington House, London. 15th December 2004.

#### 2003

**Barton, K.** and Parsons, A. 2003. *The inshore zone and potential mapping requirements*. Stakeholders Workshop; Feasibility Study on the Establishment of a Large Scale Inshore Resource Mapping Project, Marine Institute, Dublin Castle. 10th February 2003.

**Barton, K.** and Emblow, C. 2003. *Current and future mapping requirements*. Stakeholders Workshop; Feasibility Study on the Establishment of a Large Scale Inshore Resource Mapping Project, Marine Institute, Dublin Castle. 10<sup>th</sup> February 2003.

**Barton, K.** and Murphy, L. 2003. *Travels in Time Project*. Arts Council Seminar, EU Culture 2000 Programme, St Stephen's Green Hotel, Dublin. 9th September 2003.

2002

**Barton, K.** 2002. *Use of magnetic susceptibility topsoil mapping in archaeological assessment for road projects*, Project Archaeologists' Meeting, National Roads Authority, Bundoran, Co Donegal. 21st February 2002.

**Barton, K.** 2002. *The Borg Maritime Landscape Project, Lofoten Islands, Norway; preliminary results from the waterborne geophysical survey of Inner Borgpollen*. Annual General Meeting, Institute of Archaeologists of Ireland, Mullingar, Co Westmeath. 9th and 10th March 2002.

**Barton, K.** and Fenwick, J. 2002. *Geophysical investigations at the ancient Royal site of Rathcroghan, Co Roscommon, Ireland*. Recent work in Archaeological Geophysics, Environmental and Industrial Geophysics Group, Geological Society, Burlington House, London. 17th December 2002.

2001

**Barton, K.** 2001. *Interpretation and presentation of cultural heritage as a tool in community development; some experiences from County Mayo, Ireland*. *Brubygging – Før og no [Bridge Building – Then and Now]*, Community Seminar, Borg, Lofoten Islands, Northern Norway. 31st May to 1st June 2001.

**Barton, K.** 2001. *Archaeological geophysics on Nineteenth century industrial and settlement sites in Ireland*. Public Lecture, Achill Archaeological Fieldschool, Dooagh, Achill, Co. Mayo. 17th July 2001.

**Barton, K.** 2001. *Preliminary results from the waterborne geophysical survey of Inner Borgpollen*. Public Lecture, Lofotr Viking Museum, Borg, Lofoten Island, Northern Norway. 7th November 2001.

**Barton, K.** and Brett, J. 2001. *The use of landscape and cultural heritage resources as a tool in the development of rural tourism; some ideas from County Mayo in Western Ireland*. Attraksjonsseminar [Cultural Tourism Seminar], Norwegian Aviation Museum, Bodø, Northern Norway. 14th and 15th November 2001.

2000

**Barton, K.,** Rooney, S. & O'Hara, D. 2000. *Geophysical Mapping in Bantry Bay, Co Cork*. Network for Underwater Archaeology Conference, Towards an Understanding of Maritime Archaeology in Ireland, Centre for Maritime Archaeology, University of Ulster, Coleraine. 11th March 2000.

**Barton, K.** and Geraghty, L. 2000. *Seeing beneath the soil: an archaeological-geophysical survey of the Tankardstown Engine House site*. Mining Heritage Society of Ireland, Bunmahon Heritage Centre, Bunmahon, Co. Waterford. 12<sup>th</sup> May 2000.

**Barton, K.** 2000. *Archaeological geophysics in Ireland*. Public Lecture, Achill Archaeological Summer Field School, Achill Folklife Centre, Dooagh, Achill Island, Co Mayo. 13th July 2000.

**Barton, K.**, Madden, J. & Rooney, S. 2000. *Geophysical images of a rath and souterrain at Mayo Abbey, Co Mayo*. Mayo through the Millennia Conference and Community Exhibition, Archaeological and Historical Societies of Mayo, Hotel Westport, Co Mayo. 8th October 2000.

**Barton, K.** and Geraghty, L. 2000. *Results from a geophysical survey at Tankardstown Engine House, Bunmahon, Co. Waterford*. Symposium, Mining Heritage Society, Anestown, Co Waterford. 3rd November 2000.

#### 1999

**Breen, C. and Barton, K.** 1999. *Marine archaeology in the Republic of Ireland*. Jointly presented at Irish Sea Forum, Marine Archaeology of the Irish Sea, University of Liverpool. 14th January 1999.

**Barton, K.** and Fuller, J. 1999. *Mayo Abbey: landscape and human dynamics*. Spring Meeting, Irish Association of Professional Archaeologists, the Guildhall, Derry. 11th March 1999.

**Barton, K.**, O'Sullivan, A. & Breen, C. 1999. *If we're all going down, lets all go down together: introducing the Network for Underwater Archaeology (N.U.A.)*. Spring Meeting, Irish Association of Professional Archaeologists, the Guildhall, Derry. 11th March 1999.

**Barton, K.**, Madden, M., Hogan, L. & Rooney, S. 1999. *Geophysical images of a rath and souterrain near Mayo Abbey, Co. Mayo, Ireland*. International Conference, Computer Applications in Archaeology, Dublin Castle, Dublin. 4<sup>th</sup> April 1999.

**Barton, K.** and Brown, C. 1999. *Geophysics in underwater archaeology in Ireland*. Network for Underwater Archaeology Symposium, NUI, Galway. 3rd September 1999.

#### 1998

**Barton, K.** and Brett, J. 1998. *Archaeological geophysics at Mayo Abbey, Co Mayo; a community perspective*. Swinford Archaeological and Historical Society, Swinford, Co Mayo. 3rd March 1998.

**Barton, K.** 1998. *Seeing beneath Earth and ocean: geophysical contribution to the New Survey of Clare Island*. Sixth Annual Seminar, New Survey of Clare Island, Royal Irish Academy, Dublin. 23rd April 1998.

**Barton, K.**, Keary, R., Unnithan, V. & Breen, C. 1998. *Application of high-resolution geophysical surveys to archaeological and geological mapping*. Marine Institute, Year of the Ocean International Conference, Dublin Castle, Dublin. 4th December 1998.

#### 1997

**Barton, K.** and Brennan, Y. 1997. *Archaeological geophysics and the anatomy of Rathcroghan mound, near Tulsk, County Roscommon, Ireland*. United Kingdom Geophysical Assembly 21, Southampton Oceanography Centre, University of Southampton. 2nd to 4th April 1997.

**Barton, K.** and Grant, F. 1997. *Seeing beneath the soil; archaeological geophysics at Muliviltrin, Strokestown, Co Roscommon*. Public Lecture Programme, Excavation Summer School, Illinois State University, Parochial Hall, Strokestown, Co Roscommon. 5th July 1997.

1996

**Barton, K.,** Brennan, Y. & Fenwick, J. 1996. *Seeing beneath the soil; the ArchaeoGeophysical Imaging Project at Rathcroghan Mound near Tulsk, Co Roscommon*. Joint Lecture to Mayo Archaeological and Historical Society, Imperial Hotel, Castlebar, Co Mayo. 11th February 1996.

**Barton, K.,** Brennan, Y. & Delaney, C. 1996. *Recent results from the ArchaeoGeophysical Imaging Project (AGIP) at Rathcroghan Mound near Tulsk, Co Roscommon*. 39th Annual Irish Geological Research Meeting, University College Dublin. 23rd February 1996.

**Barton, K.,** Brennan, Y. & Delaney, C. 1996. *Recent results from the ArchaeoGeophysical Imaging Project at Rathcroghan Mound near Tulsk, Co Roscommon*. Annual Discussion Meeting and AGM, Irish Association for Quaternary Studies, Trinity College, Dublin. 6th March 1996.

**Barton, K.** 1996. *Seeing beneath the soil; the archaeological-geophysical imaging project*. Irish Science Teachers Association, NUI, Galway. 28th March 1996.

**Barton, K.,** Brennan, Y. & Fenwick, J. 1996. *Seeing beneath the soil; images of our archaeological heritage*. Geological Society, NUI, Galway. 3rd November 1996.

**Barton, K.** and Waddell, J. 1996. *Archaeogeophysical discovery at Rathcroghan*. Autumn Conference, Irish Association of Professional Archaeologists, White's Hotel, Wexford. 16th November 1996.

1995

**Barton, K.** 1995. *ArchaeoGeophysical Imaging Project; preliminary results from Rathcroghan mound, Tulsk, Co Roscommon*. Annual Discussion Meeting and AGM, Irish Association for Quaternary Studies, Maynooth. 11th March 1995.

**Barton, K.** 1995. *Geophysical surveys in support of the Archaeology and Geology Sections on and around Clare Island*. Public Seminar on the Royal Irish Academy New Survey of Clare Island, Geological Survey of Ireland, Dublin. 7th April 1995.

**Barton, K.** and Waddell, J. 1995. *The ArchaeoGeophysical Imaging Project; some results from Rathcroghan mound, Tulsk, Co Roscommon*. Environmental and Industrial Geophysics Group, Joint Association of Geophysics, Geological Society Seminar on Archaeological Geophysics, British Geological Survey, Keyworth, Notts. 19th May 1995.

1994

**Barton, K.** 1994. *Application of geophysical techniques to shallow sub-surface investigations*. Annual Discussion Meeting and AGM, Irish Association for Quaternary Studies, University College Galway. 12th March 1994.

**Barton, K.,** O'Callaghan, K. & Tully, T. 1994. *Recent research in surface and downhole geophysics on Irish carbonate-hosted deposits*. Irish Association for Economic Geology Seminar, Geological Survey of Ireland, Dublin. 16th February 1994.

**3.2 Posters**

2011

**Barton, K.** and Brady, C. 2011. *Towards an Integrated, Multi-method Remote Sensing Strategy for Archaeological Landscape Analysis: the Discovery of the Rosnaree Enclosure, Brú na Bóinne World Heritage Site, Co Meath, Ireland*. Poster presented at 'Recent Research in the Boyne Valley' public seminar, dHotel, Scotch Hall, Drogheda, Co. Louth, 26<sup>th</sup> February 2011.

**Barton, K.,** Brady, C. & Davis, S. 2011. *Geophysical Surveys to Assist the Boyne Landscapes Project at the Brú na Bóinne World Heritage Site, Co Meath, Ireland*. Poster presented at 'Recent Research in the Boyne Valley' public seminar, dHotel, Scotch Hall, Drogheda, Co Louth, 26<sup>th</sup> February 2011.

**Barton, K.** 2011. *Revisiting the Anatomy of Rathcroghan Mound, County Roscommon, Ireland with New Technology, Software and Interpretation*. Poster presented at 'Ambitions and Realities; Remote Sensing for Archaeology, Research and Conservation' Joint meeting of the Aerial Archaeology Research Group and European Association of Remote Sensing Laboratories, Institute of Prehistory, Adam Mickiewicz University, Poznan, Poland, 21<sup>st</sup> -24<sup>th</sup> September 2011.

Brady, C., **Barton, K.** & Davis, S. 2011. *Putting LiDAR to the test in the Brú na Bóinne WHS, Ireland: Site discovery, definition and investigation using LiDAR, geophysics and coring*. Poster presented at 'Ambitions and Realities; Remote Sensing for Archaeology, Research and Conservation' Joint meeting of the Aerial Archaeology Research Group and European Association of Remote Sensing Laboratories, Institute of Prehistory, Adam Mickiewicz University, Poznan, Poland, 21<sup>st</sup> -24<sup>th</sup> September 2011.

2010

**Barton, K.** and Brady, C. 2010. *Towards an Integrated, Multi-method Remote Sensing Strategy for Archaeological Landscape Analysis: the Discovery of the Rosnaree Enclosure, Brú na Bóinne World Heritage Site, Co Meath, Ireland*. Poster presented at International Aerial Archaeology Conference, Aerial Archaeology Research Group, Caro Hotel, Bucharest, Romania, 15<sup>th</sup> to 18<sup>th</sup> September 2010.

**Barton, K.,** Brady, C. & Davis, S. 2010. *Geophysical Surveys to Assist the Boyne Landscapes Project at the Brú na Bóinne World Heritage Site, Co Meath, Ireland*. Poster

presented at Recent Work in Archaeological Geophysics, Near-Surface Geophysics Group, the Geological Society, Burlington House, London. 15<sup>th</sup> December 2010.

2008

Bonsall, J., Gimson, H., **Barton, K.** & Brockman, A. 2008. *Conflict Archaeology: Archaeological Geophysics and Remote Sensing*. Poster session, World Archaeology Congress 6 – University College Dublin. 29th June to 4th July 2008.

Bonsall, J., Gimson, H., **Barton, K.**, Stenvik, L., Birgisdóttir, B. & Sæther, T. 2008. *Geophysics and Archaeology: 2D & 3D Methods of Investigation applied to Archaeological Sites in Norway*. Poster Session, 9th Nordic Conference on the Application of Scientific Methods in Archaeology - SMIA. National University of Science and Technology, Trondheim, Norway. 11th to 14th September 2008.