



Complete List of Publications and Presentations

We have been involved with many exciting geophysical discoveries in Ireland and abroad and regard publication and presentation of results as an essential part of our work. We have published and presented our results in books, journals, magazines, field guides, websites, on video and in radio and TV programmes. We are keen to collaborate with clients in publishing and presenting the results of commissioned surveys.

Archaeology

Forthcoming

Duffy, G., Brown, C., **Barton, K.**, O'Hara, D., and Rooney, S. *Waterborne Geophysical Surveys at Clonmacnoise* in O'Sullivan, A. (Ed) Clonmacnoise Studies, Vol 3. Dept of the Environment, Heritage and Local Government : Dublin.

Journal Papers

Bonsall, J. 2007. The study of small finds at the 1644 Battle of Cheriton. *Journal of Conflict Archaeology*, 3, 29-52. Brill : Leiden.

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. and **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. and O'Hara, D. 2002. Integrated geophysical surveys of the French frigate La Surveillante (1797), Bantry Bay, Co. Cork, Ireland, *Journal of Archaeological Science*, Vol. 29, 413-422. Elsevier Science : Netherlands

Bonsall, J. 2000. Humanity's power against the force of nature, *World Archaeological Bulletin*, Volume 11, 110-116, World Archaeological Congress, University of Queensland, Brisbane

Bonsall, J. 1999. The Nature of Lower Palaeolithic Social and Economic Organisation, *World Archaeological Bulletin* Volume 10, 8-13, World Archaeological Congress, University of Queensland, Brisbane

Slater, L., Kulesa, B. and **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*, Vol. 3, 53-69. Wiley

Lawless, C., **Barton, K.** and 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, Vol 15, 44-58. Westport Historical Society : Westport

Books & Chapters/Sections in Books

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

Bonsall, J. 2007. *The Study of Small Finds at the 1644 Battle of Cheriton* in T Pollard & I Banks (eds.) Scorched Earth; Studies in the Archaeology of Conflict, 29-52. Brill : Leiden.

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 No 1, 69-80. National Roads Authority : Dublin.

Quinn, R., Rooney, S., **Barton, K.**, O'Hara, D. and 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 No 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/Abbeystown cemetery* in J Higgins & A McHugh (eds.) The White Cannons, Abbeystown, 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, No 2. Crow's Rock Press : Galway.

Short Communications

Brady, C. and **Barton, K.** 2009. A 'New' Neolithic Enclosure at Rossnaree, Brú na Bóinne, County Meath. *PAST, Newsletter of The Prehistoric Society*, No 62, 2-5.

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

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

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

Bonsall, J and **Gimson, H.** 2004. Geophysical Perspectives in Archaeology, *Archaeology Ireland*, Vol 18 (3), 22 - 25. Wordwell : Bray.

Fenwick, J., Brennan, Y., **Barton, K.** and Waddell, J. 1999. The magnetic presence of Queen Maeve. *Archaeology Ireland*, Vol. 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*, Vol 12 (3), 8-12. Wordwell : Bray.

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

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

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.

Abstracts

Barton, K., Bonsall, & 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, P105. CD-ROM, ISBN 978-90-73781-54-2

Duffy, G., Brown, C. and **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, p96. 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.** and O'Rourke, 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. and 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.

Conference Proceedings, Symposia, Field Guides & Field Schools

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* in R. Gómez Martín, 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, 27th – 29th May 2009, University of Granada, Granada, Spain, 159-164. ISBN : 978-84-692-2661-2.

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 No 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 No 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 No 22, 48-49. Irish Association for Quaternary Studies : Dublin.

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 No 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.

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

Brett, J. and **Barton, K.** 2000. *Mayo through the Millennia; Landscape, Archaeology and History.* Conference website. www.mayoheritage.com

TV Programmes and Video Production

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.

Bonsall, J. and Gimson, H. 2003 *UTV Live: Report on Archaeological work at Binders Cove, Finnis, Dromara, Co.Down*. Contributor and participant on report, UTV Television, transmitted 24th April 2003

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.

Geology

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. and 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.

Chapters in Books

Barton, K., Brock, A. and Sides, A. 1989. *Preliminary results from temperature, heat flow and heat production studies in Ireland* in K Louwrier, E Staroste, J D Garnish & V Karkoulias (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.** and 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.

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 Vol. 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*, Vol. 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*, Vol. 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, Vol. 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, Vol. 11, 7. Geological Survey of Ireland : Dublin.

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, *Geological Survey of Ireland Report Series*, **93/2**, 204pp

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

McCann, D., **Barton, K.J.** and 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.

Abstracts

Duffy, G., Brown, C. and **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.** and Hill, E.R.G. 1987. *A magnetotelluric profile across the Irish midlands*. International Union of Geodesy and Geophysics XIX General Assembly, Vancouver, Canada Vol. 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.

Conference Proceedings, Symposia and Field Guides

Feely, M. (with contributions by J. Hunt, J. Lidwill and **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.**, Leuenerberger, 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. and 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 No 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

Oral Presentations and Poster Sessions

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. & Birgisdóttir, 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, 27th – 29th May 2009.

Barton, K. and Stenvik, L. 2009. *The Painful Heritage Project*. Public Lecture, Falstad Memorial and Human Rights Centre, Falstad, 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. & 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.

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.

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. & **Barton, K.** 2008. *Multi-Method Archaeological Geophysics in Ireland and Norway; Research and Developments at NTNU, Trondheim*. Riksantikvaren, Direktoratet for kulturminneforvaltning, Oslo, Norway, 26th August 2008.

Barton, K. & 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 14th September 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.

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.

Bonsall, J. 2008. *Beep, Beep, Beep - A Short History of Archaeological Geophysics in Ireland*. Poster session, 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. and 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.

Bonsall, J. and Gimson, H. 2007. *The Battle of Cheriton and Prospection Techniques*. Conference, Conflict Archaeology, Battle of Aghrim Interpretative Centre, Aghrim, County Galway. 24th to 25th 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, 26th September 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. and 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.

Bonsall, J. and Gimson, H. 2007. *The Battle of Cheriton and Prospection Techniques*. Conference, Conflict Archaeology, Battle of Aghrim Interpretative Centre, Aghrim, County Galway. 24th to 25th 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, 26th 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. and 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.

Bonsall, J & Bale, R. 2005. Waun Wen & Vicinity, Pencelli Estate, Glamorgan & Powys, the uplands Archaeology Initiative, Royal Commission on the Ancient and Historical Monuments of Wales, unpublished. 19th April 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, 29th 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. 17th 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 -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.

Bonsall, J. and **Gimson, H.** 2004. Archaeological Geophysics and Forensic Anthropology, Forensic Identification Group of Ireland, University College Dublin. 2nd November 2004

Barton, K., Bonsall, J., Gimson, H. and 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, 10th 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. and 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, 12th 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. and 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, Annestown, 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. and 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. and 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. 4th 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. and 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, 2nd to 4th April 1997, Southampton Oceanography Centre, University of Southampton.

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. and 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. and 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. and 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. and 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. and 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.