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## Research output

### Histological analysis and etiology of a pathological iguanodontian femur from England

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**Use of geostatistics in the Integration of multi-source geophysical data in mapping the geological underlay of Northern Ireland**

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**Under-water scene investigation using ground penetrating radar (GPR) in the search for a sunken jet ski, Northern Ireland**

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**Introduction and background: Interpretations of landscape change**

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**Firmgrounds - Key surfaces in the recognition of parasequences in the Aptian Lower Greensand Group, Isle of Wight (southern England)**

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**Tectonic controls on the variation in thickness and mineralogy of pebble-beds in the Lower Greensand Group (Aptian-Albian) of the Isle of wight, southern England**

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## Activities

**Forensic Tech Colombia, 2020: The transformative power of innovation and technology in forensic science**

Alastair Ruffell (Participant)

30 Nov 2025

**New Horizons in Forensic Geoscience**

Lorna Dawson (Participant), Alastair Ruffell (Organiser), Laurance Donnelly (Organiser) & John Cassella (Participant)

04 Dec 2023 → 05 Dec 2023

**66th Irish Geological Research Meeting**

Alastair Ruffell (Participant), Michael Simms (Organiser), Dr Marie Cowan (Participant), Mark Cooper (Participant) & Kirstin Lemon (Organiser)

03 Mar 2023 → 05 Mar 2023

**Geoforensics and Human Remains: Search Scene and Sample**

Lisa White (Advisor) & Alastair Ruffell (Invited speaker)

10 Feb 2023

**Drumclay Crannog Stone Artifacts**

Alastair Ruffell (Recipient) & Christina O'Regan (Recipient)

21 Nov 2022 → 25 Nov 2022

**Society of Vertebrate Paleontology 82nd Annual Meeting**

Filippo Bertozzo (Contributor), Koen Stein (Contributor), Elena Varotto (Contributor), Alastair Ruffell (Contributor) & Eileen Murphy (Contributor)

03 Nov 2022

**European meeting on Forensic Archaeology 2022**

Alastair Ruffell (Participant)

25 Aug 2022 → 26 Aug 2022

**World Congress on Soil Science**

Alastair Ruffell (Participant)

03 Aug 2022

**Finding the Buried Bodies**

Alastair Ruffell (Advisor) & Lisa White (Contributor)

19 Feb 2022 → 26 Feb 2022

**Geological Fakes and Frauds**

Alastair Ruffell (Participant)

17 Jan 2022

**British Association of Forensic Medicine**

Alastair Ruffell (Participant)

19 Nov 2021 → 21 Nov 2021

**Do Natural Burials Contribute to Soil Ecological Processes**

Alastair Ruffell (Participant)

30 Apr 2021 → 07 May 2023

**Zapraszają na wykład otwarty: Forensic Geology**

Alastair Ruffell (Participant) & Laurance Donnelly (Participant)

31 Mar 2021

**Proceedings of the Geologists' Association (Journal)**

Alastair Ruffell (Peer reviewer)

31 Aug 2020

**Search Training**

D Sarzinski (Host) & Alastair Ruffell (Advisor)

08 Aug 2020

**Forensic Geology**

Alastair Ruffell (Advisor) & Laurance Donnelly (Contributor)

21 Feb 2020

**Forensic Archaeology Expert Panel (FAEP) meeting December 7th 2019**

Alastair Ruffell (Participant)

07 Dec 2019

**University of Kentucky Seminar**

Alastair Ruffell (Advisor)

12 Sept 2019

**8th Meeting on European archaeology**

Alastair Ruffell (Participant)

03 Aug 2019 → 05 Aug 2023

**Organisation of Scientific Area Communities - National Institute of Standards**

Alastair Ruffell (Participant)

09 Jul 2019 → 12 Jul 2019

**Geological Association of Canada**

Alastair Ruffell (Participant)

27 May 2019 → 29 May 2019

**European Network Forensic Sciences (ENFSI)**

Alastair Ruffell (Participant) & Patrick Randolph-Quinney (Organiser)

28 Apr 2019 → 30 Apr 2019

**35th Anniversary Symposium Taphonomy**

Alastair Ruffell (Participant)

24 Nov 2018

**Organisation of Scientific Area Communities**

Alastair Ruffell (Participant)

06 Nov 2018

**Organisation of Scientific Area Communities**

Alex Rugh (Chair), Libby Stern (Host) & Alastair Ruffell (Advisor)

09 Sept 2018 → 27 Oct 2023

**7th Meeting on Forensic Archaeology (EMFA2018)**

Alastair Ruffell (Participant)  
23 Aug 2018 → 24 Aug 2018

**Geological Survey of Northern Ireland (External organisation)**

Dr Marie Cowan (Chair) & Alastair Ruffell (Advisor)  
01 Aug 2018 → 24 Oct 2023

**Organisation of Scientific Area Communities (External organisation)**

Alastair Ruffell (Advisor)  
01 Aug 2018 → 24 Oct 2023

**Archaeology for All: Event 2 at The Giant's Ring**

Laura Basell (Organiser), Michael O'Mahony (Organiser), Jonathan Small (Organiser), Kirsten Cottey (Organiser), Lauren Carberry O'Neill (Organiser), Adam Purvis (Organiser), Georgia Vince (Organiser), Dan Clarke (Host), James Perkins (Contributor), Alastair Ruffell (Contributor), Stine Carlsson (Contributor), Barrie Hartwell (Contributor) & Tomasz Ciesielski (Presenter)  
19 May 2018

**'The Carnian (237-228 Ma): The Dawn of the Modern World'**

Alastair Ruffell (Participant)  
21 Feb 2018 → 22 Feb 2018

**Albertiana (Journal)**

Alastair Ruffell (Peer reviewer)  
01 Jan 2018

**Albertiana (Journal)**

Alastair Ruffell (Peer reviewer)  
01 Jan 2018

**Geological Murders, Suicides and Accidents**

Alastair Ruffell (Advisor)  
31 Oct 2017

**Tower Museum Archaeology Day (speaker)**

Alastair Ruffell (Participant)  
08 Jul 2017

**South Eastern Regional College**

Alastair Ruffell (Presenter)  
16 Jan 2017

**Ussher Society**

Alastair Ruffell (Invited speaker)  
04 Jan 2017

**Murders and Suicides**

Alastair Ruffell (Interviewee)  
10 Nov 2016

**One Day CPD event: Forensic Archaeology Case Study & CPD Workshop on RAG mapping for forensic search.**

Alastair Ruffell (Invited speaker)  
22 Oct 2016

**One Day CPD event: Forensic Archaeology Case Study & CPD Workshop on RAG mapping for forensic search.**  
Alastair Ruffell (Invited speaker)  
22 Oct 2016

**Survey of Glenock Cemetery**  
Alastair Ruffell (Advisor)  
18 Sept 2016

**University of the Third Age: Forensic Geology**  
Alastair Ruffell (Speaker)  
16 Sept 2016

**A GIS-based landscape approach to Forensic Search Strategies and RAG mapping**  
Jennifer McKinley (Invited speaker) & Alastair Ruffell (Advisor)  
29 Aug 2016

**IGC Cape Town**  
Alastair Ruffell (Session chair)  
29 Aug 2016

**35th International Geological Congress**  
Alastair Ruffell (Participant)  
25 Aug 2016 → 04 Sept 2016

**5th European Meeting on Forensic Archaeology**  
Alastair Ruffell (Organiser)  
11 Aug 2016

**5th European Meeting on Forensic Archaeology**  
Alastair Ruffell (Participant)  
11 Aug 2016 → 12 Aug 2016

**University of Messina**  
Alastair Ruffell (Visitor)  
05 Jul 2016 → 26 Jul 2016

**Civil Structural Health Monitoring Workshop (CSHM-6) – Structural health monitoring of new and ageing infrastructure**  
Alastair Ruffell (Invited speaker)  
27 Jun 2016

**British Association for Human Identification**  
Alastair Ruffell (Invited speaker)  
11 Jun 2016

**British Association for Human Identification**  
Alastair Ruffell (Participant)  
10 Jun 2016 → 11 Jun 2016

**Evening seminar for the Irish Geologists' Association, Beggars Bush Dublin**  
Alastair Ruffell (Presenter)  
02 Jun 2016

**Knowledge Exchange Seminar Series**  
Alastair Ruffell (Presenter)  
18 May 2016

**Whodunnit soil forensics game for students**  
Alastair Ruffell (Organiser)  
24 Feb 2016

**NI Science Festival**  
Alastair Ruffell (Host)  
23 Feb 2016

**Forensic Geology**  
Alastair Ruffell (Presenter)  
25 Jan 2016

**International Conference on Engineering Geophysics, Al Ain, United Arab Emirates, 15-18 November 2015**  
Alastair Ruffell (Participant)  
15 Nov 2015 → 18 Nov 2015

**International Conference on Engineering Geophysics, 15-18 November 2015**  
Alastair Ruffell (Invited speaker)  
14 Nov 2015

**Using Geology and Geographic Information Systems in Forensic Science (Geological Society of London, Hong Kong Regional Group)**  
Alastair Ruffell (Presenter)  
17 Sept 2015

**Geological Society of Japan**  
Alastair Ruffell (Participant)  
15 Sept 2015

**Geological Society of Japan**  
Alastair Ruffell (Participant)  
15 Sept 2015

**University of Hong Kong**  
Alastair Ruffell (Speaker)  
15 Sept 2015

**European Meeting of Forensic Archaeology (EMFA)**  
Alastair Ruffell (Invited speaker)  
29 Aug 2015

**European Meeting on Forensic Archaeology (EMFA 2015)**  
Alastair Ruffell (Participant)  
28 Aug 2015 → 29 Aug 2015

**47th Conference of Irish Geographers**  
Alastair Ruffell (Organiser)  
21 May 2015

**58th Irish Geological Research Meeting. Belfast**  
Alastair Ruffell (Organiser)

21 Feb 2015

**Forensic Geoscience: Future Horizon**  
Alastair Ruffell (Participant)  
03 Dec 2014

**European Meeting of Forensic Archaeologists**  
Alastair Ruffell (Participant)  
22 Aug 2014

**Radiocarbon in the Environment 2014**  
Alastair Ruffell (Speaker)  
18 Aug 2014 → 22 Aug 2014

**Radiocarbon in the Environment 2014**  
Alastair Ruffell (Participant)  
17 Aug 2014 → 21 Aug 2014

**Scientific Working Group on Geological Materials**  
Alastair Ruffell (Participant)  
02 Dec 2013

**Evening Seminar**  
Alastair Ruffell (Speaker)  
04 Nov 2013

**Second Ibero-American Workshop on Forensic Geology**  
Alastair Ruffell (Participant)  
03 Oct 2013

**The Second Ibero American Workshop on Forensic Geology (II Seminário Iberoamericano de Geologia Forense)**  
Alastair Ruffell (Participant)  
02 Oct 2013 → 04 Oct 2013

**Soil Forensics and Forensic Geology**  
Alastair Ruffell (Invited speaker)  
Oct 2013

**International Association of Mathematical Geologists**  
Alastair Ruffell (Participant)  
02 Sept 2013 → 06 Sept 2013

**16th International Forensic Science Symposium, held in Lyon (5-8th October)**  
Alastair Ruffell (Participant)  
06 Oct 2010

**Emerging Technologies for Underwater Imaging and assessment of Civil Engineering Structures**  
Brian Devlin (Chair), Alastair Ruffell (Advisor), Kristopher Campbell (Contributor), Su Taylor (Member) & David Hughes (Advisor)  
01 Feb 2010 → 27 Mar 2012

**The First Ibero-American Conference in Forensic Geology**  
Alastair Ruffell (Participant)  
30 Mar 2009 → 03 Apr 2009

**Integrated Non-destructive Testing technologies for condition Survey and Damage Diagnosis of Stone Structures**

Joanne Curran (Chair), Bernard Smith (Contributor), Alastair Ruffell (Advisor) & John Meneely (Participant)  
23 Dec 2008 → 21 Aug 2010

**The Time of the Crime**

Alastair Ruffell (Participant), Antoinette Keaney (Participant), Steven Bell (Participant), Jennifer McKinley (Participant) & Marianne Stamm (Invited speaker)  
05 Nov 2007

**Geological Society of America, Denver**

Alastair Ruffell (Participant)  
28 Oct 2007 → 31 Oct 2007

**Geoscientists at Crime Scenes**

Alastair Ruffell (Participant)  
18 Dec 2006

**Geological Society of America**

Alastair Ruffell (Participant)  
22 Oct 2006 → 25 Oct 2006

**ICLVR**

Geoffrey Knupfer (Consultant), Jon Hill (Member) & Alastair Ruffell (Advisor)  
22 Jan 2005 → 27 Oct 2023

**Forensic Remote Sensing and Geophysics Conference**

Alastair Ruffell (Organiser)  
16 Dec 2004

**2003 Annual Conference of the International Association for Mathematical Geology (IAMG)**

Alastair Ruffell (Participant)  
01 Sept 2003 → 03 Sept 2003

**Forensic Geoscience: Principles, Techniques and Applications**

Alastair Ruffell (Participant)  
03 Mar 2003 → 04 Mar 2003

**Recent Work in Archaeological Geophysics**

Alastair Ruffell (Participant)  
17 Dec 2002

**Second International Symposium on Cretaceous Stage Boundaries**

Alastair Ruffell (Participant)  
08 Sept 1995 → 16 Sept 1995

**Irish Geological Research Meeting**

Alastair Ruffell (Participant)  
24 Feb 1995 → 26 Feb 1995

**European Geosciences Union**

Alastair Ruffell (Participant)  
02 Jun 1994 → 04 Jun 1994

**Development, Evolution and Petroleum Geology of the Wessex Basin**

Alastair Ruffell (Participant)  
06 May 1993

**Sequence Stratigraphy of European Basins**

Alastair Ruffell (Participant)  
18 May 1992 → 20 May 1992

**Irish Geological Research Meeting**

Alastair Ruffell (Participant)  
22 Feb 1992 → 23 Feb 1992

**British Sedimentological Research Group**

Alastair Ruffell (Participant)  
13 Dec 1990 → 15 Dec 1990

**International Association of Sedimentologists Field Class**

Alastair Ruffell (Participant) & Grant Wach (Participant)  
31 Aug 1990 → 02 Sept 1990

**Tectonic Studies Group**

Alastair Ruffell (Participant) & Michael Coward (Organiser)  
20 Dec 1989 → 22 Dec 1989

**Palaeoclimates**

Alastair Ruffell (Participant)  
23 Feb 1989

**British Sedimentological Research Group**

Alastair Ruffell (Participant)  
12 Dec 1988 → 15 Dec 1988

**British Sedimentological Research Group**

Alastair Ruffell (Participant)  
14 Dec 1986 → 16 Dec 1986

## Projects

**R6432ARL: Between a Rock and a Hard Place: context, function and choice of early metalworking tools on Europe's Atlantic facade**

Brandherm, D., Ell, P. S., McKinley, J. & Ruffell, A.  
18/02/2014 → 30/06/2016

**R6781CIV: EDRF INTERREG IVA - TELLUS BORDER PROJECT (VIA GEOLOGICAL SOC NI)**

Ofterdinger, U. & Ruffell, A.  
01/08/2010 → ...

**R7359GGY: Evolution climate risks generated and impact on society**

Ruffell, A.  
01/08/2009 → ...

**R6395ARL: Fragility and sustainability in restricted island environments: adaption, cultural change and collapse in prehistory**

Ruffell, A., Blaauw, M., Hunt, C., Malone, C., McCormick, F., Reimer, P. & Whitehouse, N.  
01/08/2012 → ...

**R3897GGY: Geology Society of America Annual Conference**  
Ruffell, A.  
01/08/2005 → ...

**R3330ARL: Geophysical Survey 2011-12**  
Donnelly, C. & Ruffell, A.  
01/08/2011 → ...

**S2284GGY: KTP/Cei Collins Engineers Ltd**  
Ruffell, A. & Taylor, S.  
01/08/2009 → ...

**R3013GGY: Presentation at Geological Society (America)**  
Ruffell, A.  
01/08/2007 → ...

**R8256GGY: Prix Du Quebec 2010 (Association of Canadian Studies in Ireland)**  
Royle, S., Majury, N., McKinley, J. & Ruffell, A.  
01/08/2009 → ...

**R1079NBE: Queens University Belfast & University of Aberdeen Doctoral Research and Training (QUADRAT)**  
McKinley, J., Blaauw, M., Caplat, P., Emmerson, M., Helyar, S., Roe, H. & Ruffell, A.  
21/07/2019 → ...

**R1084BSC: Queens University Belfast and University of Aberdeen Doctoral Research and Training (QUADRAT)**  
Emmerson, M., Blaauw, M., Caplat, P., Helyar, S., McKinley, J., Roe, H. & Ruffell, A.  
23/07/2019 → ...

**R1872GGY: Royal Society - Cg 2007R1 (Ruffell)**  
Ruffell, A.  
01/08/2007 → ...

**R3360ARL: Specialist Projects December 2011 to March 2012**  
Donnelly, C., Brown, D., Meneely, J. & Ruffell, A.  
01/08/2011 → ...

**R6774GGY: TELLUS Border**  
McKinley, J. & Ruffell, A.  
01/08/2010 → ...

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