



**Professor Vincent Lawrence Gaffney
50th Anniversary Chair in Landscape Archaeology
Department of Archaeological Sciences
University of Bradford
UK**

SC/HLH

26th January 2024

TO WHOM IT MAY CONCERN

Dear Sir/Madam,

Professor Vincent Gaffney is Anniversary Chair in Landscape Archaeology at the School of Archaeological and Forensic Sciences at the University of Bradford. He has established himself and his team as world leaders in 3D, virtual imaging, and geophysical survey of past landscapes.

He has been at the forefront of the University's continual innovation in technique, technology and practice, creating a distinctive, pioneering blend of international interdisciplinary collaboration with many academic disciplines.

A founder member of the Vienna-based Ludwig Boltzmann Institute for Archaeological Prospection and Virtual Archaeology, his work has informed and shaped the estate management of some of the largest custodians of heritage, influenced national and local government policy, and continues to be at the forefront of new discoveries and interpretations at one of the world's most iconic World Heritage sites, and possibly its most famous archaeological site, Stonehenge. His vision of multi-technique prospecting, based on the space between the monuments of this World Heritage Site, has written a new narrative for the understanding of how the landscape was used in the past.

He is perhaps best known for his work on 'Doggerland', an area of the North Sea that was exposed as an ecologically rich landscape for human settlement and which connected Britain and Europe between about 110,000 and 6000 years ago. Professor Gaffney's work has led to a revolutionary understanding of the world that existed before the North Sea engulfed it, but also gives us a dramatic warning about the possible effects of climate change and global warming on future generations.

Professor Gaffney has received national and international awards for his work including the 2013 European Archaeological Heritage Prize awarded by the European Association of Archaeologists and the Queen's Anniversary Prize for Higher Education 2021. His work on inundated marine landscapes received the 2007 award for Heritage Presentation at the British Association for the Advancement of Science. His book "Europe's Lost World" was awarded the "Best Publication" prize at the British

Archaeological Awards in 2010. In 2017 his work at Durrington Walls received "Best Research Project" prize, whilst in 2018 he was awarded an MBE in the Queen's Birthday Awards for services to scientific research.

Last but not least, in November 2023 Professor Gaffney led a proposal submitted to the European Research Council which resulted in Synergy Grant of 13 million euros. This project - SUBNORDICA (Beyond submerged landscapes- defining human responses to postglacial sea-level rise and climate change) – will work with a leading group of academic and industry leaders to address a critical environmental emergency which could have a lasting impact for the world. It should be noted that there were over 300 applications submitted to ERC and only 37 were selected of top research teams to address complex real-world challenges.

Professor Gaffney's pioneering work has been of world significance, influencing policy and practice. His energy, enthusiasm and direct encouragement has inspired new generations of researchers. He would be a worthy and deserving recipient of the Albert Einstein award.

Yours sincerely



Shirley Congdon



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Helen Hague: h.l.hague@brad.ac.uk

EA to the Vice-Chancellor (external)

31st January 2024

To Whom It May Concern:

I am writing this letter in support of Professor Vincent Gaffney for the 2023 Einstein Award.

Professor Gaffney is a pioneering scholar who has contributed fundamentally not only to archaeological and earth sciences but also to significant developments in the field of digital and cultural heritage. Professor Gaffney is an interdisciplinary researcher of the highest order. His contributions are rare and such work transcends individual disciplines and conventional methods, opening up novel areas of study that have significant impact at a social level. The pioneering nature of Professor Gaffney's research at a theoretical level and in application of state-of-the-art technologies to novel research questions surely sets him apart and would make him a worthy recipient of this prize.

I have known Professor Gaffney for 20 years and recognise and admire his achievements, his many funded research projects, all of which have spanned multiple disciplines, and their international impact. Central to all of this are his studies relating to marine palaeolandscapes. These are unique, both in archaeology and earth sciences, and have essentially created an entirely new area of research dealing with those lands lost to the sea following the last glacial and which were essentially completely unknown until Professor Gaffney initiated this work. The scale of the work is truly astounding. Entire prehistoric countries are now being mapped because of this research, and this global first has opened the doors to researchers in every part of the world impacted by the momentous changes driven by prehistoric climate change.

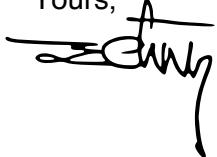
Professor Gaffney's work on marine palaeolandscapes alone would be worthy of recognition at the highest level but this is only one of his many achievements. During his career he has led the development and application of novel technologies, most notably in respect of spatial or geophysical analysis. He also demonstrated academic leadership to assist those involved in the projects he has led, including academics external to his own institutions and involving individuals, groups and international consortiums. His reach is truly international.

In terms of academic achievement, influence and impact, Professor Gaffney is in a different league. I say this with confidence as I have had the good fortune to witness first-hand, as a PhD student in Birmingham, not only the breadth and depth of his scholastic thinking, but also the way in which he executes research and how this has resulted in impact and value to his community. His academic works, grant awards, and the establishment of centres of excellence (IBM Visual and Spatial Technology Centre, Digital Humanities Hub, Visualising Heritage etc.) are all testament to his achievements. Professor Gaffney leads by example. His unique leadership is not only scholarly, but certainly human and social, which stems from his understanding of his co-workers and teams. Many new leaders have emerged following collaboration with him, a demonstration of good leadership of which I am a beneficiary.

Whilst my brief letter of support will not fully express the undoubted impact Professor Gaffney has had, I believe that the points made here attest to both his achievements, how he has influenced our careers and the journey which we have chosen to take. I fully support Professor Gaffney's 2023 Einstein Award submission.

Please do not hesitate to contact me for further information.

Yours,



Prof. Eugene Ch'ng

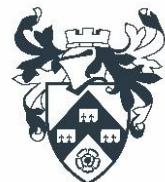
Director, NVIDIA Joint-Lab on Mixed Reality, NVIDIA Technology Centre

Editor-in-Chief, Presence: Virtual and Augmented Reality, MIT Press

University of Nottingham

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Phone: +44 7795816582



From Professor Geoff Bailey, FAHA, FSA, MAE

Date: Monday, 29 January 2024

To Whom It May Concern

Albert Einstein World Award of Science: Professor Vince Gaffney

Professor Vince Gaffney is an outstanding scientist and archaeologist who has established world-leading status, working on the frontiers of knowledge at the intersection between the sciences and the humanities. His skills and achievements lie in three overlapping fields of investigation: the development of remote sensing techniques both on land and under water to identify hidden features of ancient landscapes that can be revealed beneath the modern land surface or seabed; the development of computer algorithms that can take advantage of large and complex datasets to maximise the information that can be extracted from digital data; and the application of these skills to reveal entirely new insights and information about human history in deep time, especially the history of the world's submerged landscapes that likely favoured major concentrations of human settlement during the periods of low sea-level that have dominated human history over the past 1 million years.

The best-known example of his achievements is his work on 'Doggerland', the large area of the southern North Sea that was exposed as an ecologically rich landscape for human settlement and connected Britain and Europe between about 110,000 and 6000 years ago, until it was progressively fragmented and drowned by postglacial sea-level rise. This submerged territory has for many decades been recognised as a lived-in landscape, albeit a largely blank area on the archaeological distribution map, and large quantities of Ice-Age megafauna, Stone Age artefacts and occasional fragments of Neanderthal skulls have been dredged up by trawler fishermen over many years. But only the sketchiest knowledge of this hidden landscape existed, and the paper that first used the term 'Doggerland', published in 1998 by Bryony Coles, was aptly subtitled a 'speculative survey'. In 2003 Gaffney took advantage of a UK government initiative to tax gravel extraction companies and spend the proceeds on investigations of cultural heritage. Gaffney persuaded the UK hydrocarbon industry to provide their seismic records free of charge, and put together a small team to translate this data into maps of late glacial and early postglacial landscapes hidden below the modern seabed. Commercial 3-D seismic records are coarse-grained acoustic methods designed to identify geological structures hundreds of metres underground rather than the finer detail of shallow submerged features of a terrestrial landscape such as river channels, low hills, lakes and coastlines. The proposal was viewed by many with a mixture of scepticism and disbelief. Yet, by 2007 Gaffney and his team had generated powerful computer routines to solve the problem of reading the shallow segment of the seismic signal and published the detailed technical results, followed in 2009 by a more general volume, *Europe's Lost World: the Rediscovery of Doggerland*, which won the prize for best book awarded by the British Archaeology Awards in that year.

Since then, Gaffney has expanded the team including the recruitment of a younger generation of researchers, extended the approach more widely across the North Atlantic continental shelf, raised funds from the UK Research Councils and the European Research Council to refine acoustic surveys with dedicated ship time and more sensitive equipment, and ground-truthed computer-generated maps with sediment coring and palaeoenvironmental analysis. He has built an international consortium to join forces in this major enterprise, notably in a major ERC Synergy award recently approved for multi-institutional collaboration, and has further expanded methods of digital analysis using new computer routines and artificial intelligence. This has resulted in significant improvements in methodology, higher resolution maps over more extensive areas, and the recent discovery of underwater archaeological sites by purposeful and predictive survey – the 'holy grail' of submerged landscape archaeology – most recently published in the first volume of the *Europe's Lost Frontiers project* (Gaffney et al. 2022).

In this time, 'Doggerland' has become a byword for the existence and investigation of submerged landscapes, not only in archaeological and scientific circles but in popular discourse; and Gaffney has won national and international acclaim for his work, notably through national UK honours (MBE, 2018), the award of the cultural heritage prize of the European Archaeological Association (2013), and overseas invitations to lecture or advise.

His research has been genuinely revolutionary in different senses of the term. It is revolutionary in its bold commitment to explore an entirely new method of landscape reconstruction using 3-D seismic records, and one that did not look likely at the outset to guarantee success. It is also revolutionary in the sense that it has provided a highly significant stimulus to the emerging discipline of submerged landscape archaeology. An estimated 20 million km² of new territory was exposed around the world's coastlines during the low sea level stand of -130 m during the Last Glacial period, more than 3 million km² in Europe alone. This vast territory is increasingly recognised as a major attractor of human settlement that persisted for many tens of thousands of years until it was finally drowned by postglacial sea-level rise by 6000 years ago, and is therefore a major black hole in our knowledge of early human history and social development. Until recently, exploration of these hidden landscapes was largely confined to shallow water within reach of diver investigation. Thanks to the Gaffney initiative, the possibility of extending exploration to deeper water and further offshore is now seen as an attainable goal, and other researchers have been encouraged by the 'Doggerland' research to embark on similar investigations across the world ranging from the Gulf of Mexico to the Red Sea, and from the Cape Coast of South Africa to the Bonaparte Gulf of northern Australia.

Gaffney's research is not only of scientific and archaeological significance. It also has important practical implications in a world that has recently become acutely aware of the consequences of sea-level change, and a world in which industrial exploitation of the continental shelf is expanding at an ever-accelerating rate. Systematic and scientific exploration of these deeply submerged archaeological landscapes is helping to highlight the existence of a unique type of underwater cultural heritage, and is bringing a long-term perspective to bear on the human impact of sea-level change. It is also contributing to the development of government policies and protocols for collaboration with offshore industries to ensure proper management and protection. This research is also highlighting the threats to the onshore cultural heritage of erosion or submergence in the face of impending sea-level rise over the next century. In all these respects, Vince Gaffney is a pioneer and global leader.

I should add that his interest and skills in archaeological remote sensing and digital imagery is not confined to the underwater world. His contribution to recent research on the *Stonehenge Hidden Landscapes Project* also comes to mind, another prize-winning project comprising a major remote sensing survey focussed on a world-famous World Heritage site, and his collaborative research on the archaeology and cultural heritage of the island of Hvar in Croatia.

It is, however, his achievements in underwater research that are most prominent in his list of achievements, and which most fully justify his nomination for the Albert Einstein award. Vince Gaffney has been a world leader at the forefront of these new initiatives and led them with sustained energy and enthusiasm over two decades. His contributions have been pioneering, seminal and of world-wide significance and influence. He has shown the vision and the courage to explore this new territory, in both the literal and the metaphorical senses of that term, has encouraged a new generation of researchers to enter this new world, and above all has developed the technical skills to ensure successful implementation of this new research agenda and to build solid foundations for the future. In all these respects I believe that he would be a worthy and deserving recipient of the Albert Einstein award.

Yours faithfully,



Geoff Bailey
Anniversary Professor of Archaeology Emeritus

Albert Einstein Award Nomination

Professor Vincent Gaffney is Anniversary Chair in Landscape Archaeology at the University of Bradford. He has pioneered the use of technology within archaeology over more than 40 years and has received international and national recognition. He represents that rare brand of “two culture” researchers who cross sciences and the arts, opening new areas of study that interface key disciplines, challenge convention and have real-world applications.

Professor Gaffney has led projects across the world, including the United Kingdom, Continental Europe, America and Africa. These include World Heritage sites such as Stonehenge and Ironbridge in Britain, Diocletian’s Palace and the Stari Grad field in Croatia, and Cyrene in Libya. Others include the wetland landscapes of the river Cetina (Croatia), and fieldwork in Italy at the Roman town at Forum Novum. He has assisted the US Department of Defense to balance military land use with managing heritage landscapes in a sustainable manner at Fort Hood, Texas and the Inter-American Development Bank in the development of internet mapping of the Mundo Maya region. He conceived and delivered the first multi-sensor mapping of an entire Roman town within the area of the Roman Empire. This was at Roman Wroxeter (UK) and Professor Gaffney facilitated this by engaging a then unique international collaboration via his extensive network. His curiosity regarding archaeoastronomy led to the identification of what was the world’s oldest recorded “time reckoner” (c. 8000 BC) in north east Scotland.

The development and application of technology has been central to Professor Gaffney’s research and he has been a pioneer in the application of geographical information systems and agent-based modelling. Professor Gaffney has led the way to upscaling technological applications within archaeology, so that “big data” analysis has become increasingly significant across the discipline. He has been instrumental in founding laboratories dedicated to visualisation of big archaeological data sets at the universities of Bradford and Birmingham. He assisted in the establishment of the Archaeology Data Service in the United Kingdom and was a founder member of the Vienna-based Ludwig Boltzmann Institute for Archaeological Prospection and Virtual Archaeology, where he led the “Stonehenge Hidden Landscapes” Project team creating 3D and virtual imaging of the largely unmapped World Heritage landscape. This culminated in the analysis of this unique data set and the discovery of the massive pit structure surrounding the Durrington Walls “super” henge. This site may be the largest prehistoric structure of its kind in Europe, and its discovery was intimately linked with Professor Gaffney’s choice to massively expand archaeological survey in both scale and resolution. Professor Gaffney’s has been recognised nationally and internationally. He has been central to two awards of the Queen’s Anniversary Prize at the universities of Bradford and Birmingham. His work was recognised through the European Archaeological Heritage Prize as being of “global importance”, and further evidence of his exceptional academic achievements was acknowledged when he received an MBE in the 2018 New Year’s Honours list for contributions to science.

Professor Gaffney’s research legacy will be his contribution to the study of the vast, inundated prehistoric landscapes underlying the world’s coastal shelves, and the development of mapping techniques to explore these inaccessible lands. At the height of the last glacial at about 20,000 years ago, when global sea level was 130 metres lower than the present, 20 million km² of new territory was exposed around the world’s continental margins. The European continent

increased in area by as much as 40%, exposing >3 million km² of new land. This vast territory persisted for thousands of years. With its coastal plains, low hills, lakes, river valleys, marshes, estuaries, shorelines and offshore islands, it provided some of the most productive territory and resources available for human settlement and dispersal anywhere in the continent. From 16,000 years ago, progressive global warming and sea-level rise transformed and inundated this territory. By 6000 years ago, these unique landscapes had almost totally disappeared. Sea-level rise resulted in complex reconfigurations of land and sea at local and regional geographical scales, changes in hydrology and sedimentation, the spread of forests, reorganisation of marine and terrestrial ecosystems, and changes in the distribution and productivity of plant and animal communities. This had profound and global impacts on human demography, economy, social organisation and historical developments. This “terra incognita” has represented one of the last great frontiers of archaeological and geographical exploration.

The problems associated with the exploration of such inaccessible landscapes remained a barrier until Professor Gaffney’s work demonstrated that they could be explored using available commercial data acquired for mineral prospection. He has since provided mapping for 188,000km² of the rivers, hills, lakes and coastlines of Doggerland, the prehistoric landscape beneath the North Sea: an area larger than that of many European countries..

Professor Gaffney received a European Research Council Advanced Grant in 2015 to survey and reconstruct the marine paleoenvironment. Prior to this project no prehistoric artefact directly associated with these newly mapped landscapes had been deliberately prospected at significant depth or beyond the near shore, other than by chance through dredging or trawling. Professor Gaffney’s team has now begun to identify where archaeological material may be expected, where it has survived and where it is accessible. As a result, in 2019 Professor Gaffney’s team recovered the first directly prospected artefacts from the deep regions of the North Sea.

Professor Gaffney’s research has attracted further attention as the world’s coastal plains face unprecedented development linked to the massive expansion of windfarms required as a response to climate change. These major economic and societal trends have been dramatically enhanced following geopolitical uncertainty linked to the Ukraine and Gulf crises. Professor Gaffney’s response has been to instigate novel research to support green energy production and ensure that access to the world’s marine palaeolandscape record is not lost following infrastructure development across enormous areas of coastal shelf. In 2023 the UK Arts and Humanities Research Council provided major funding to engage with national curators and global developers to work towards formal methodologies to directly prospect these vast landscapes and to disseminate this experience.

The significance of Professor Gaffney’s work and the need for a continental-scale response to Net Zero development was recognised in 2023. Professor Gaffney led a European research group to a successful application for the ERC’s premiere Synergy research fund. Between 2024-2030 an award of €13.22 million will be used to develop AI and simulation methods to underpin marine palaeolandscape prospection at supranational levels. With test sites in multiple European coastal zones, the project aims to provide a global response to the dramatic challenges of contemporary climate change, net zero goals and marine development.

Professor Vincent Gaffney MBE FSA
Curriculum Vitae

PERSONAL DETAILS

Title: **50th Anniversary Chair in Landscape Archaeology**
 Name: Vincent Lawrence Gaffney Date of Birth: 25/02/1958

EMPLOYMENT

| | | | |
|--------------------------|--|--|----------------|
| Bradford | Archaeological and Forensic Sciences | 50 th Anniversary Chair | 2014 - Present |
| Birmingham | Institute of Archaeology and Antiquity | Grade 3 (Top Class) | 2012 - 2014 |
| Birmingham | Institute of Archaeology and Antiquity | Research Chair | |
| Birmingham | Institute of Archaeology and Antiquity | Chair Landscape, Archaeology and Geomatics | 2004 - 2012 |
| Birmingham | College Director (Research and Knowledge Transfer) | | 2008 - 2011 |
| Birmingham | Institute of Archaeology and Antiquity | Director | 2002 - 2005 |
| Birmingham | Archaeology and Ancient History | Lecturer | 1997 - 2004 |
| Birmingham | Archaeology and Ancient History | Research Fellow | 1991 - 1997 |
| Reading | Postgraduate Studies | | 1987 - 1991 |
| Forge Mill Museum Trust | Forge Mill Museum, Redditch | Curator | 1983 - 1987 |
| Redditch Borough Council | Bordesley Abbey Chapel | Supervisor | 1982 - 1983 |
| Wessex Unit | Maddle Farm Project | Director | 1980 - 1982 |

AWARDS

| | | |
|---|------|---|
| Queen's Anniversary Prize | 2022 | Awarded for digital applications in archaeology |
| MBE | 2018 | For Services to Science |
| Archaeological Research Project of the Year (CA) | 2017 | Rethinking Durrington Walls |
| European Archaeological Heritage Prize | 2013 | For contributions to global heritage |
| Archaeological Book of the Year | 2010 | British Archaeological Awards |
| Heritage Presentation Award | 2007 | British Association for the Advancement of Science |
| Developer Award (Runner-Up) | 2006 | British Archaeological Awards |
| Zahvalnica, Commune of Hvar. | 1999 | For contributions to the archaeology and ecology of the island of Hvar |
| Queen's Anniversary Prize for Higher and Further Education | 1996 | Awarded to the University for the Wroxeter Hinterland Project |
| BT Development Award | 1996 | Awarded to the Wroxeter Hinterland Project |
| Zahvalnica, Commune of Hvar | 1992 | For contributions to the study of the archaeology of the island of Hvar |
| Priznanje, Committee for the Preservation of the Culture and Heritage of the Archaeology of the Island of Hvar. | 1992 | For contributions to the study of the island of Hvar |

COMMITTEE REPRESENTATION

Professor Gaffney sits or has sat on numerous committees since 1993 including:

Highways Agency A303 (Stonehenge) Advisory Panel, Avebury and Stonehenge World Heritage Advisory Group, Trustee - Society of Antiquaries, Steering Committee RCUK Digital Economy Project PATINA (Personal Architelectronics Through Interactions with Artefacts), Chair, Management Committee, Ludwig Boltzmann Society Institute for Archaeological Prospection and Virtual Archaeology, SPLASHCOS EU Cost programme on submerged prehistory, DEUCALION Palaeolandscapes framework group, ModelTER: European Laboratory for Modelling of Landscapes and Territories (Franco-Slovene partnership), Advisory Committee AHRC Transforming Thresholds Project (Leicester), Archaeology Data Service, (now corresponding member), Steering Committee, Theoretical Archaeology Group, JISC Geospatial Data Working Party, AHRC Strategic Reviewer Group, AHRC Peer review college, English Heritage: Maritime and Marine Historic Environment Research Framework, Palaeolithic Working Group, Chair, JISC Silchester Virtual Research Environment Project management committee, Chair, Aerial Photography and Remote Sensing Committee (Archaeology Data Service), New Opportunities Fund Creating Communities Project (Shropshire), AHRB E-Science expert panel, 3DVisA Steering Committee. He has further acted as a Lead Evaluator for the Croatian Agency for Science and Higher Education reviewing national research institutes (Archaeology, History/Art History) and for re-accreditation of degree courses at Zadar and Zagreb. He is a regular reviewer for many journals and publishers, sits on many project-specific committees and assesses applications for national research agencies including Germany, Poland, Ireland, France, Estonia, Cyprus, the Netherlands, Hong Kong, Australia and Israel.

RESEARCH FUNDING

Professor Gaffney has been in receipt of more than £30 million of research grants since 1993. The list below covers the previous 10 years. Prior to this major grant income included funds from the Engineering and Physics Research Council, the National Oceanic and Atmospheric Administration, US Department of Defence (USA), The Aggregates Levy Fund, The Ludwig Boltzmann Society, Leverhulme, Universitas 21, the National Trust, National Geographic, Inter-American Development Bank, IBM, The British Academy, the Prehistoric Society, the Nuffield Trust, Joint Information Services Committee (UK) and EOSAT.

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|-------------------|------|---|---------------------------------|
| V. Gaffney et al. | 2024 | Subnordica. ERC Synergy Grant Bradford Award | €13.22 million €7.22 million |
| V. Gaffney | 2022 | Taken at the Flood: heritage strategies in the North Sea | £973,585 |
| V. Gaffney et al. | 2021 | AHRC Capability for Collections Award (CAPCO) | £3 million |
| V. Gaffney et al | 2021 | Unpath'd Waters': Marine and Maritime Collections in the UK (AHRC Towards a National Collection). Bradford award | £3 million £456,000 |

Curriculum Vitae
Professor Vincent Lawrence Gaffney

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|-------------------|------|---|--------------------------|
| V. Gaffney et al. | 2021 | Buried landscapes of the Avon Riverside (AHRC) | £60,907 |
| V. Gaffney | 2020 | Wild Blue Media. Documentary on Durrington Walls | £20,000 |
| V. Gaffney et al. | 2016 | Curious Travellers (AHRC) | £229,332 |
| V. Gaffney | 2014 | Europe's Lost Frontiers. ERC Advanced Grant | €2.45 million |
| V. Gaffney | 2013 | October Films Documentary on Stonehenge | £10,000 |
| V. Gaffney | 2012 | Mechdyne (Royal Society Summer Exhibition) | £500 |
| V. Gaffney | 2012 | English Heritage (Royal Society Summer Exhibition) | £1000 |
| V. Gaffney et al. | 2011 | EPSRC GG-TOP (PI Prof. K. Bongs) Archaeology component | £2.5 million £381,927 |

CONFERENCE OR SESSION ORGANISATION

Professor Gaffney organised 26 conferences as primary organiser, member of the organising or scientific committee.

The following list represents only the previous ten year record.

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|---|------|----------------------|
| Lost Frontiers and Drowned Landscapes in Britain and Beyond. Society of Antiquaries of London | 2020 | Organiser |
| From the North Sea Lowlands to the Celtic Shelf Edge: Reconstructing interconnected environments for the past 500 kyrs. Utrecht | 2019 | Scientific Committee |
| Royal Society, Theo-Murphy International Scientific Meeting, Chicheley Hall, UK Marine palaeolandscapes and the historic impact of long-term climate change | 2017 | Organiser |
| Welcome Croatia – Croatia at the crossroads. Conference on Croatia's accession to the EU | 2015 | Organiser |
| Prehistoric Archaeology and Landscapes of the Continental Shelf (EAA Glasgow) | 2015 | Organiser |
| Stonehenge Underground. Royal Society Exhibition | 2015 | Organiser |
| ARKDIS/Birmingham Digital Heritage conference | 2014 | Organiser |
| Theoretical Archaeology Group Annual Conference | 2011 | Organiser |

PAPERS PRESENTED/PROFESSIONAL INVITATIONS

Professor Gaffney has presented at 122 major national and international conferences - excluding many regional or local society presentations. The list below provides information on the last 10 years. Other significant presentations have been provided at Princeton, Dartmouth, Dumbarton Oaks (Harvard), Oberlin, Michigan, Fayetteville, Trieste, Pisa, Tours, Vienna, Sofia, Groningen, Brno, Tallin, Bologna, Sligo, Cambridge, Durham, York, Kent (Distinguished Speakers Programme), Edinburgh, Taipei, Beijing, Malaysia. Aside from presentations to universities he has been invited to address national academies (Slovenia), national heritage bodies (Taipei), prestigious organizations (Royal Archaeological Institute, British Museum, Royal Archaeological Institute, The Society of Antiquaries, The Prehistoric Society, Kommission für die Tabula Imperii Byzantini), and national and international technical groups (National E-Science Centre, ICOMOS, Eurographics). The following list represents a sample of the previous ten-year record.

| | | |
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| EA Sustain | 2024 | Re-wilding the Dogger Bank |
| University of Vienna Distinguished Lecture (Archaeology) | 2023 | Stonehenge |
| British School in Rome Helen Patterson Memorial Colloquium | 2023 | Digital heritage and the Tiber Valley |
| Keynote - Scales of Social, Environmental and Cultural Change in Past Societies (Kiel) | 2023 | The North Sea – cultural aspects, preservation potential and geoscientific challenges |
| New Scientific Discoveries: reinterpreting Stonehenge British Museum | 2022 | Durrington walls and the role of remote British sensing at Stonehenge |
| Meeting in honour of Prof K. Kvamme (SAA, Chicago) | 2022 | GIS and Remote Sensing in Archaeology |
| Society of Antiquaries of London | 2021 | Durrington Walls |
| La Trobe University (Australia) | 2020 | Stonehenge Landscapes |
| NSF closed workshop on Submerged Palaeolandscape Archaeology of North America, Smithsonian. | 2019 | Royal Society Chicheley Hall outputs |
| Croatian Archaeological Society Conference (Hvar) Landscape Colloquium (Kiel) | 2019 | Hvar in the Bronze and Iron Ages |
| BELQUA Royal Academy of Sciences and Arts (Brussels) | 2019 | Europe's Lost Frontiers |
| University of Tartu (Estonia) | 2019 | Marine palaeolandscapes |
| Europe Conference (Prehistoric Society) | 2018 | Palaeolandscape Workshop |
| Council for British Archaeology 60 th Anniversary Conference (Wessex) | 2018 | Research in Doggerland |
| Invited lecture series on Landscape Archaeology, University of Split, Croatia | 2018 | Marine Palaeolandscapes |
| Keynote at Virtual Systems and Multimedia, | 2017 | Landscape Archaeology |
| Virtual Machines and Multimedia (Kuala Lumpur, Malaysia) | 2016 | From Archaeological Science to Heritage) |
| Prehistoric Society Day School | 2016 | Science |
| Salisbury Archaeology Festival | 2016 | Fron BradPhys to Bradviz |
| University of Kalmar (Sweden) | 2016 | Land, Sea and Sky |
| University of Amsterdam – invited lecture series | 2016 | Stonehenge Landscapes |
| Keynote, Mexican Academy of Science (Mexico City) | 2016 | Digital Humanities |
| | | Landscape Archaeology |
| | | Stonehenge |

Curriculum Vitae
Professor Vincent Lawrence Gaffney

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|--|------|---|
| Keynote, Landscape Archaeology Conference (Uppsala) | 2016 | Stonehenge |
| World Archaeology Congress (Kyoto) | 2016 | Globalising British Archaeology |
| Pharos and the Stari Grad Plain (Stari Grad, Croatia) | 2016 | The Adriatic Islands Project |
| 50 th Anniversary World Heritage Site Conference | 2016 | Stonehenge Landscape |
| University of Nottingham (Ningbo) | | |
| Stigler Distinguished Lecturer, University of Fayetteville | 2015 | Landscape Archaeology at Bradford |
| Arkansas, USA | | |
| Christian Albrechts University (Kiel) | 2015 | New Maps? Landscape Archaeology and the Remote Sensing of Landscapes |
| University of Nottingham (Ningbo) | 2015 | Stonehenge Hidden Landscapes Project |
| University of Nottingham (Ningbo) | 2015 | Euraxes China |
| Archaeology in Wiltshire (Devises) | 2015 | Stonehenge Hidden Landscapes Project |
| Society of Antiquaries | 2015 | Stonehenge |
| Computer Applications in Archaeology | 2015 | A Long Walk: Archaeology and Remote Sensing |
| Weatherbeaten Archaeology Sligo (Ireland) | 2015 | Weather is what you get |
| Dartmouth College (New Hants, USA) | 2014 | Digital Heritage and Landscape Archaeology |
| University of Tallinn (Estonia) | 2013 | Marine Palaeolandscapes. |
| Hay Literary Festival | 2013 | Doggerland |
| Visting Pasts, Developing Futures. Taipei, Taiwan | 2013 | Digital Heritage panel |
| University of Bologna (Ravenna) | 2013 | Seeing beneath the soil. Archaeological impact assessment: urban sites and landscapes |
| Welcome Croatia - Croatia at the crossroads. | 2013 | In Varietate Concordia |
| Anglo-Croatian Society conference on accession to EU | | |
| University of Malaya | 2013 | Landscapes |
| Keynote. Offshore Industry and archaeology: a creative relationship. Esbjerg | 2013 | Marine Palaeolandscapes: working with the Oil and Gas Industry (Keynote) |
| University of Fayetteville (Arkansas) | 2012 | Landscape Archaeology |
| Stigler Distinguished Lecturer Series | | |
| University of Kent Distinguished Speakers . | 2012 | Digital Archaeology |

BROADCAST MEDIA (DOCUMENTARIES AND DEDICATED PROGRAMMES ONLY)

1. Stonehenge: Land Of The Dead. Discovery Channel (2021).
2. In Our Time (BBC Radio 4) Doggerland. (2019).
3. The First Britons. Horizon, BBC (2016).
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Professor Gaffney regularly provides comment to the press, provides information for popular scientific publications. The following list is a small selection from the previous 10 years.

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2. 2022 History Hit with Dan Snow <https://access.historyhit.com/videos/a-new-discovery-at-stonehenge>
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5. 2020 Europe's Lost Frontiers. Science Magazine. Andrew Curry. Science Magazine.
6. 2015 Greetings from Doggerland. Daniel Cossins. New Scientist.
7. 2015 Dawn of a Continent. Colin Barras. New Scientist.
8. 2015 Hunting for DNA in Doggerland. Wired Magazine. <https://www.wired.com/2015/11/hunting-for-dna-in-doggerland-an-ancient-land-beneath-the-north-sea/>
9. 2014 BBC News. Prehistoric North Sea 'Atlantis' hit by 5m tsunami (<http://www.bbc.co.uk/news/science-environment-27224243>)
10. 2014 Doggerland's lost world shows melting glaciers have drowned lands before, and may again (2014) <https://theconversation.com/doggerlands-lost-world-shows-melting-glaciers-have-drowned-lands-before-and-may-again-26472>
11. 2014 Bild der Wissenschaft (2014, 3). Nordsee-Atlantis pp 66-76).
12. 2012 National Geographic Magazine. Searching for Doggerland.
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5. Gaffney V. et al. (2013) Time and a Place: A lunisolar 'time-reckoner' from 8th millennium BC Scotland. *Internet Archaeology* (<http://dx.doi.org/10.11114/ia.34.1>)
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9. Barratt G, Dingwall L, Gaffney V, Fitch S, Huckerby C and Maguire T (2007) *Heritage Management at Fort Hood, Texas: Experiments in Historic Landscape Characterisation 2007*. Archaeopress
10. Exon S, Gaffney V, Yorston R and Woodward A (2001) Stonehenge Landscapes: Journeys Through Real-And Imagined Worlds. Archaeopress (CD published 2000)

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Academic Books, Monographs and Collections

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2. Gaffney V and Fitch S (2022) Europe's Lost Frontiers. Volume 1 Context and Methodology. Archaeopress Oxford.
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