

# DR MARK JONATHAN BEECH

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## APPOINTMENTS

- 2012+ Head of Coastal Heritage and Palaeontology Section, Historic Environment Department, Abu Dhabi Tourism and Culture Authority (TCA Abu Dhabi), Abu Dhabi, U.A.E.
- 2006-12: Cultural Landscapes Manager, Historic Environment Department, Abu Dhabi Authority for Culture and Heritage (ADACH), Abu Dhabi, U.A.E.
- 2002-06 Senior Resident Archaeologist, Abu Dhabi Islands Archaeological Survey (ADIAS), Abu Dhabi, U.A.E.
- 2002+ Honorary Visiting Fellow, Department of Archaeology, University of York, U.K.
- 1996: Zooarchaeologist, Natural Environment Research Council (NERC) Research Assistant to Dr. Keith Dobney, Environmental Archaeology Unit (EAU), University of York, U.K.
- 1995-96: Zooarchaeologist, English Heritage Zooarchaeology Laboratory, Department of Ancient History and Archaeology, University of Birmingham, U.K.
- 1991-95: Scientific Researcher/Zooarchaeologist, Institute of Archaeology, Czech Academy of Sciences, Prague, Czech Republic.
- 1987-91: Freelance Archaeologist based at the Department of Archaeology, University of Sheffield, U.K., working on contract basis for English Heritage, Cambridge University Archaeological Unit, Suffolk Archaeological Unit, Trent & Peak Archaeological Unit, British Archaeological Mission to Pakistan, and the Nicopolis-ad-Istrum (Bulgaria) project.
- 1986: Zooarchaeologist / Archaeologist, Passmore Edwards Museum, London, U.K.
- 1985-86: Zooarchaeologist, Ancient Monuments Laboratory, English Heritage, London, U.K.

## EDUCATION

- 1997-2001: Ph.D., Department of Archaeology / Department of Biology (Environmental Archaeology Unit), University of York, U.K.  
Advisor: Professor Don Brothwell.  
Title: *In the Land of the Ichthyophagi: Modelling fish exploitation in the Arabian Gulf and Gulf of Oman from the 5<sup>th</sup> millennium BC to the Late Islamic period.*
- 1986-87: M.A. (with Distinction) in Environmental Archaeology and Palaeoeconomy, Department of Archaeology, University of Sheffield, U.K.  
Advisor: Dr Paul Halstead.  
Title: *Animal Remains and Some Evidence of Animal Sacrifice on the Roman Fen-Edge: the Animal Bones from the Romano-Celtic Shrine at Haddenham.*
- 1982-85: BSc. (Hons) - Archaeological Science - Institute of Archaeology, University College London, U.K.

## **AWARDS, GRANTS AND FELLOWSHIPS**

- 2009: Sheikh Mubarak Bin Mohammed Natural History Prize for 2008 from the Emirates Natural History Group - in recognition of services to archaeology of the UAE.
- 2005-2007: Understanding Neolithic Coastal Communities in the Arabian Gulf – Modelling Ancient Fishing Practices and Palaeoenvironments by the examination of 7000 year old Sea Catfish Otoliths. 65,980 Kuwaiti Dinars (equivalent to 233,145 USD). Grant awarded to researchers: Dr Mohsen Al-Husaini (Mariculture and Fisheries Dept., Kuwait Institute for Scientific Research (KISR) and Dr Mark Beech. Grant awarded by: Kuwait Institute for Scientific Research (KISR), the Kuwait Fund for Advancement of Science (KFAS), and the National Council for Culture, Arts and Letters (NCCAL), Kuwait.
- 2005: Environmental Achievement of the Year Award 2005. The Abu Dhabi Islands Archaeological Survey (ADIAS) and the Environment Agency - Abu Dhabi (EAD) were selected as joint winners. This is a GCC wide award given by Construction Week, the largest weekly magazine for the construction industry in the Middle East.
- 2003: British Academy, grant to support attendance and participation in “The Transition to Late Antiquity” conference, held at the British Academy in London from May 15-18, 2003.
- 2002: British Academy funding to complete the study of the animal bones from Kush, Ras al-Khaimah, UAE.
- 2001: Gerald Averay Wainwright Near Eastern Archaeological Fund (Oriental Institute, University of Oxford) - grant to study the animal bones from Kush, Ras al-Khaimah, UAE.
- 2000: British School of Archaeology in Iraq, grant to analyse environmental remains from the Kuwaiti/British Archaeological Expedition.
- 1999: Graduate Studies Training Board, Dept. of Biology, University of York, grant to support attendance at ICAZ Fish Remains Working Group Conference, New York City, Sept. 1999.
- 1998: British Council Abu Dhabi & Environmental Research and Wildlife Development Agency (ERWDA), grant to support work in UAE.  
Graduate Studies Board, Dept. of Archaeology, University of York, grant to support attendance at ICAZ June 1998, Canada.
- 1997-2001: University of York Studentship Grant (Depts. of Archaeology & Biology).
- 1996: Natural Environment Research Council (NERC),  
6 months (Environmental Archaeology Unit, University of York, U.K.).
- 1991-2: British Council Long Term Grant, 10 months (Ancient Landscape Reconstruction in Bohemia, Czech Republic).
- 1990: Ancient India and Iran Trust Fellowship, 4 months (Pakistan).  
British Council medium term grant, 3 months (Bulgaria).
- 1989: Ancient India and Iran Trust Fellowship, 4 months (Pakistan).  
British Council medium term grant, 3 months (Bulgaria).
- 1988: British Council medium term grant, 4 months (Bulgaria).
- 1986: British Council medium term grant, 2 months (Bulgaria).  
Science and Engineering Research Council (SERC),  
one year quota award (Masters degree).
- 1985: Swan Hellenic Cruise Scholarship (Black Sea).

- 1984: Gordon Childe Memorial grant fund  
(Funding for research trip to Orkney Islands, Scotland).
- 1981: Gold Duke of Edinburgh Award.
- 1980: Queens Award, Boys Brigade.

## **TEACHING AND PROFESSIONAL EXPERIENCE**

- 2016: New York University Abu Dhabi – students from Dr Robert Parthesius’s class visited Delma Island for the weekend to participate in the excavation of the 7,000 year old Ubaid-related settlement, they also conducted a series of interviews with elderly boat builders and fishermen on the island (8-9 April 2016)
- New York University Abu Dhabi – lecture on the archaeology and cultural heritage sites of Delma Island to Dr Robert Parthesius’s class (6 April 2016)
- 2015: New York University Abu Dhabi – students from Dr Robert Parthesius’s class visited Delma Island for the weekend to participate in the excavation of the 7,000 year old Ubaid-related settlement, they undertook surveys of the historic buildings, and conducted a series of interviews with elderly boat builders and fishermen on the island (24-25 April 2015)
- Zayed University students – students from Dr Tim Power’s class participate in surveying training session, mapping and collecting Late Islamic pottery from Saadiyat Island (March 2015)
- UCL-Q, University College London – Qatar – Lecture on Zooarchaeology and Environmental Archaeology in the Middle East to Masters degree students, MA in Archaeology of the Arab and Islamic World, Doha, Qatar (10 March 2015).
- New York University Abu Dhabi – Two lectures on Archaeology of the UAE and Environments of the UAE (2 and 4 February 2015), as part of Dr Philip Kennedy’s course, ACS-AD 112X - The UAE from Pre-History to 2030: History, Environment, Society & Culture.
- 2014: New York University Abu Dhabi – Two lectures on Archaeology of the UAE and Environments of the UAE (3 and 5 February 2014), as part of Dr Philip Kennedy’s course, ACS-AD 112X - The UAE from Pre-History to 2030: History, Environment, Society & Culture.
- UCL-Q, University College London – Qatar – Lecture on Zooarchaeology and Environmental Archaeology in the Middle East to Masters degree students, MA in Archaeology of the Arab and Islamic World, Doha, Qatar (23 January 2014).
- 2013: Zayed University Abu Dhabi – Lecture on Landscapes and Environments (15 September 2013) to undergraduate students, Archaeology Site Field Trip (23 October 2013) with undergraduate students, and lecture on Prehistory of the UAE (26 November 2013) to Masters degree students, as part of MMS 608 – History & Heritage of the UAE.
- UCL-Q, University College London – Qatar – Lecture on Zooarchaeology and Environmental Archaeology in the Middle East to Masters degree students, MA in Archaeology of the Arab and Islamic World, Doha, Qatar (10 March 2013).
- 2012: Zayed University Abu Dhabi - Lectures on Archaeology of the UAE and related topics to undergraduate students. Taught a whole course on Archaeology of the Emirates – HSS 382 (13 weeks, Sept 2012 – Jan 2013). This included taking UAE national students on an archaeological field trip to Al Ain (25 November 2012).
- 2011: Urban Planning Council, Abu Dhabi - Training session on Cultural Heritage of Abu Dhabi to UAE National Senior Managers, Junior Staff & Expatriate Workers.
- 2010: Zayed University, Abu Dhabi – Three lectures on Archaeology of the UAE to undergraduate students.

- 2009: Zayed University, Abu Dhabi – Four lectures on Archaeology of the UAE to undergraduate students.  
Tourism Development and Investment Company (TDIC) - Training seminar to TDIC Tour Guides on Sir Bani Yas.
- 2008: Urban Planning Council - Al Ain Charrette – Training lecture on Archaeology of the UAE. Introduction to Islamic Art (Emirates Palace Hotel, Abu Dhabi) training course, Canvas.
- 2007: Zayed University (both Abu Dhabi and Dubai campus) - series of lectures on the Archaeology and Cultural Heritage of Abu Dhabi and the UAE to undergraduate students and staff (Dubai).
- 2003: Petroleum Institute, Abu Dhabi - lectures on the Paleontology and Archaeology of the UAE to undergraduate students.
- 2002-3: Zayed University, Abu Dhabi - series of three lectures on archaeology of the UAE to undergraduate students. Fieldtrip also organised to visit excavation.
- 2001: Department of Art and Archaeology, School of Oriental and African Studies (SOAS), University of London, UK - half day course on field archaeology and zooarchaeology for Masters degree students.
- 2000: Department of Archaeology, University of Reading, UK - 2nd year Undergraduate students - Two day intensive course on zooarchaeology.
- 1996-99: Departments of Archaeology and Biology, University of York, UK. (more than 200 hours): Undergraduate students - lectures/practical classes/fieldwork trips. Subject: Archaeology of the UAE, Computing Skills (Databases, Spreadsheets, Web skills), Environmental Archaeology and Zooarchaeology.  
Masters degree students - lectures/practical classes/fieldwork trips. Subject: Archaeology of the United Arab Emirates, Environmental Archaeology: Methods & Theory, Invertebrate remains in Archaeology, & Zooarchaeology (mammals, birds and fishes).
- 1991-95: Institute of Archaeology, Czech Academy of Sciences, Prague, Czech Republic - Academic staff training. Subject: Environmental Archaeology & Zooarchaeology.
- 1991-95: Institute of Prehistory and Early History, Charles University, Prague, Czech Republic - lecture on Environmental Archaeology & Zooarchaeology to undergraduate students.
- 1987-91: Department of Archaeology, University of Sheffield, UK - undertook tutorials with undergraduate students & US Junior Year Abroad students (incl. essay marking). Subjects: Archaeological Theory & Palaeoeconomic Studies.

## **PROFESSIONAL SERVICE**

- 2011 - present: *Paleorient* – member of Scientific Committee.
- 2007: *Journal of Oman Studies*, Volume 14 – member of editorial board.
- 2002 - present: Honorary Visiting Fellow, Department of Archaeology, University of York, UK.
- 2002 - 2009: *Tribulus – Journal of the Emirates Natural History Group* – member of editorial board.
- 2001 - 2015: Seminar for Arabian Studies – committee member.  
*Proceedings of the Seminar for Arabian Studies* – member of editorial committee.
- 1998-99: York Archaeology Society – postgraduate representative committee member.

**External Reviewer:** *Adumatu, Antiquity, Arabian Archaeology and Epigraphy, Journal of Archaeological Science, Journal of Oman Studies, Liwa, Paleorient, Proceedings of the Seminar for Arabian Studies, Tribulus – Journal of the Emirates Natural History Group.*

## **CONFERENCES ORGANISED**

- 2015: Boats and Ancient Harbours Seminar, Monday 8 June 2015. Auditorium – 4th Floor – Tower B, Nation Towers Corniche, co-organised with Dr Anjana Reddy & Ahmed Abdulla El Haj.
- 2014: Baynunah Palaeontology Conference, Wednesday 10 December 2014, at Manarat Al Saadiyat, Abu Dhabi, co-organised with Dr Anjana Reddy & Ahmed Abdulla El Haj.
- 2012: The Role of Museums in Arabia – special session at the Seminar for Arabian Studies, British Museum, London (14-15 July 2012), co-organised with Sarina Wakefield (Open University) and Celine Pouyat (TCA Abu Dhabi).
- 2011: Archaeology of the United Arab Emirates Conference, held at the Hilton Hotel in Al Ain (30-31 March 2011). Principal conference organizer.
- 2010: Old World Camelids – special session at the 10th Conference of the International Council of Archaeozoology (ICAZ), held in Paris, France (23-28 August 2010), held on 25 August, 2010, co-organiser with Dr Marjan Mashkour (Muséum national d'histoire naturelle / CNRS, Paris, France).
- 2008: International Council for Archaeozoology - Archaeozoology of Southwest Asia and Adjacent Areas - 9th Meeting of ASWA (16-20 November 2008) - to honour the contribution of Hans-Peter Uerpman and Francois Poplin to the Archaeozoology of Southwestern Asia. This was held at the Mercure Hotel in Al Ain, Abu Dhabi emirate, UAE. Co-organiser with Dr Marjan Mashkour (Muséum national d'histoire naturelle / CNRS, Paris, France).
- 2006: 4th Annual Symposium on Recent Archaeological Discoveries in the Emirates, held in Al Ain (29-30 March 2006), Zayed Center for Heritage and History, Emirates Heritage Club. Co-organiser with Dr. Hassan Naboodah (Emirates Heritage Club) and Peter Hellyer (National Media Council).
- 2005: 3rd Annual Symposium on Recent Archaeological Work in the Emirates, held in Al Ain (6-7 April 2005), Zayed Center for Heritage and History, Emirates Heritage Club. Co-organiser with Dr. Hassan Naboodah (Emirates Heritage Club) and Peter Hellyer (National Media Council).
- 2004: 2nd Annual Symposium on Recent Archaeological Discoveries in the Emirates and of the Symposium on the History of the Emirates, held in Al Ain (7-8 April 2004), Zayed Center for Heritage and History, Emirates Heritage Club. Co-organiser with Dr. Hassan Naboodah (Emirates Heritage Club) and Peter Hellyer (National Media Council).
- 2003: 1st Annual Symposium on Recent Palaeontological and Archaeological Discoveries in the Emirates, held in Al Ain (April 2003), Zayed Center for Heritage and History, Emirates Heritage Club. Co-organiser with Dr. Hassan Naboodah (Emirates Heritage Club) and Peter Hellyer (National Media Council).
- 2002: Coastal adaptations in arid environments – session at the 9th Conference of the International Council of Archaeozoology (ICAZ), held at the University of Durham, UK. (23-28 August 2002). Co-organiser with Caroline Cartwright (British Museum).
- 1989: York Archaeology Society - Principal conference organizer.
- 1988: Theoretical Archaeology Group (TAG) Conference - Department of Archaeology, University of Sheffield, UK. Principal conference co-organiser.

## INVITED LECTURES AND PRESENTATIONS

- 2016 (1 June): "The Ancient Land of the UAE" – lecture given at the Multaqa Zayed National Museum, Manarat Al Saadiyat. Public lecture, 6.30 – 8 pm.
- 2015 (24-26 July): "Ubaid-related sites of the southern Gulf revisited: the Abu Dhabi coastal heritage initiative" – paper presented at the Seminar for Arabian Studies conference, British Museum, London, UK. – co-authored with K. Strutt, L. Blue, A.K. Al Kaabi, A. Al Haj El Faki, A.R. Lingareddy and J. Martin.
- 2015 (26 May): "Recent Archaeological Discoveries in Al Gharbia" - lecture given to the Emirates Natural History Group (ENHG) – Al Ain branch, held at the Islamic Institute, United Arab Emirates University, Al Ain.
- 2015 (15-17 March): Cosmopolitan Currents in the Indian Ocean. Panel discussant at this conference organized by New York University Abu Dhabi at their Saadiyat Island campus.
- 2015 (3 February): "The Prehistoric Archaeology of Abu Dhabi's Coast and Islands" - lecture given to the Emirates Natural History Group (ENHG) – Abu Dhabi branch, at the Park Hyatt Hotel, Saadiyat Island, Abu Dhabi.
- 2014 (3-7 March): Archaeozoology in Kuwait through the Ages. Paper presented at the conference, Kuwait Through the Ages, Kuwait City, Kuwait.
- 2014 (5 February): In the Land of the Ichthyophagi: The Archaeology of Abu Dhabi's Coast and Islands. New York University Abu Dhabi. Public lecture, 6.30 – 8pm, NYUAD Downtown campus.
- 2013 (18 December): Recording, Documentation and Information Management of Heritage Places. Paper presented at the Paris-Sorbonne Abu Dhabi – Abu Dhabi Tourism and Culture Authority Training Course on Protecting Heritage Places, held at the PSUAD Campus on Reem Island, Abu Dhabi.
- 2013 (13-14 May): In the Land of the Ichthyophagi: A Look at Traditional Fishing Practices in Abu Dhabi before Oil. Paper presented at the conference, Pre-Occupations in the UAE: The Work-a-Day World before Oil. New York University Abu Dhabi. Held at the Sheraton Hotel, Abu Dhabi.
- 2013 (27 March): From Ptolemy to Geospatial Portals: Mapping the Cultural Heritage of the United Arab Emirates. Paper presented at the Gulf Cartography from Past to Present conference, jointly organized by the Department of Geography, Paris Sorbonne University Abu Dhabi, and the Centre for Gulf Studies, Sharjah.
- 2012 (21 November): GIS - Abu Dhabi: A Case Study – The use of GIS as a Tool in the Management of the Cultural Heritage of Abu Dhabi. Paper and Software Demo, presented at the ATHAR Programme, Management and Conservation of Cultural Heritage: Sites and Museum Collections, held at the Sharjah Archaeology Museum, Sharjah, UAE.
- 2012 (19 November): The Nature and Culture of the United Arab Emirates. Paper presented at International Committee of Vernacular Architecture (CIAV) – International Council on Monuments and Sites (ICOMOS) Annual Meeting and Conference held at Qattara Arts Centre, Al Ain, UAE.
- 2012 (16-17 October): Maritime and Cultural Heritage in the United Arab Emirates. Presented a paper co-authored with Abdulla Khalfan Al Kaabi, at the UNESCO Meeting for the Gulf on the Convention on the Protection of the Underwater Cultural Heritage, Manama, Bahrain – hosted by the Ministry of Culture, Kingdom of Bahrain.

- 2012 (14 October): From Pearls to Oil – Speaker: David Heard, in conversation with: Mark Beech (Cultural Landscapes Manager, Abu Dhabi Tourism and Culture Authority), Nick Cochrane-Dyet (Special Advisor, BP Abu Dhabi) and Phillip Kennedy (Associate Professor of Middle Eastern and Islamic Studies, NYUAD), held at the Intercontinental Hotel Auditorium, Abu Dhabi.
- 2012 (13-15 July): How is the Stone Age presented in Museums in the GCC region: From ‘Out of Africa’ to the ‘Ubaid seafarers of the Gulf’ - a paper co-authored with Heiko Kallweit, presented on Saturday 14th July in "The Role of Museums in Arabia", a Special Session, at the 2012 Seminar for Arabian Studies, British Museum, London, UK.
- 2012 (24-27 April): From the shark hunters of the Arabian Sea to the dugong exploiters of the Arabian Gulf - a paper co-authored with Vincent Charpentier & Sophie Mery (both CNRS, France), presented in Session 5: Oman Peninsula coastal Neolithic, Thursday 26 April 2012, at the ESF-SCH Exploratory Workshop: The Neolithic of Arabia: New Paradigms and Future Perspectives, Lyon, France.
- 2012 (1 April): An Interview with David Heard, author of “From Pearls to Oil”, Motivate Publishing, at the Abu Dhabi International Book Fair, Abu Dhabi National Exhibition Centre, Abu Dhabi.
- 2012 (22 March): The Early Prehistoric Foundations of Abu Dhabi and the UAE - Lecture to Dr Jane Bristol-Rhys's class of undergraduate students at Zayed University.
- 2011 (12-15 Dec): Showcasing Technology used for Managing the Cultural Heritage of Abu Dhabi. Co-authored a presentation with Sultan Al-Mansoori, at the Eye on Earth Summit, Abu Dhabi National Exhibition Centre, Abu Dhabi, UAE.
- 2011 (30 Oct - 1 Nov.): Managing Geotourism in Abu Dhabi, UAE - This was a joint presentation with Waleed Omar, presented at the 3rd Global Geotourism Conference, Grand Hyatt Hotel, Muscat, Sultanate of Oman.
- 2011 (24 October): Ancient Water Management on the Coast and Islands of Abu Dhabi. Paper presented at the Water and the City conference, Qasr Al Hosn Exhibition Hall, Abu Dhabi.
- 2011 (28 September): What is Cultural Heritage? Building Forum – Arabia Café, Abu Dhabi.
- 2011 (13 July): ADACH Comments on the Physical Framework Plans – Sila’a - Delma - Ghayathi - Madinat Zayed (co-authored with Ege Yildirim and Anjana Reddy), Urban Planning Council, Abu Dhabi.
- 2011 (5 June): Archaeozoology or Zooarchaeology - How do archaeologists study animal bones. Lecture to the Dubai chapter of the Emirates Natural History Group (ENHG).
- 2011 (26 April): The Cultural Heritage of Delma, Ghayathi, Madinat Zayed and Sila’a. Presentation (co-authored with Ege Yildirim) at the Al Gharbia Physical Framework Plans – Delma - Ghayathi - Madinat Zayed – Sila’a – Workshop One, held at the Grand Millennium Hotel – Al Wahda, Abu Dhabi.
- 2011 (4 April): Maritime Heritage of Abu Dhabi. Presented to the Abu Dhabi Foreshores and Waterways Working Group, Urban Planning Council, Abu Dhabi.
- 2011 (29 March): The Preliminary Cultural Review system in Abu Dhabi: protecting cultural landscapes under pressure from economic development. This was a joint presentation with Anjana Reddy (ADACH, Abu Dhabi) & Ahmed Abdullah Al-Haj (ADACH, Al Ain), presented at the ADACH organised Archaeology in the United Arab Emirates conference.
- 2011 (6 March): The Baynunah Late Miocene fossil sites and trackways, and the Baynunah Camel Skeleton site. Presentation to the National Council of Tourism and Antiquities, held at the Al Bustan Rotana Hotel in Dubai.

- 2011 (2 March): Late Miocene fossils from Abu Dhabi's Western Region - This was a lecture to the Qatar Natural History Group (QNHG) held at the English Speaking School in Doha, Qatar.
- 2011 (7-9 February): Cultural Landscape Management in Abu Dhabi - This was a lecture at a workshop (by invitation only) organised by the New York University Abu Dhabi Institute entitled, The interface between field archaeology and conservation. This was held at the Intercontinental Hotel, Bainouna Street, Abu Dhabi. Convenors: Dr. Hannelore Roemich, Acting Chairman, Professor of Conservation Science, Conservation Center, Institute of Fine Arts, New York University & Dr. Norbert Baer, Hagop Kevorkian Professor of Conservation, Conservation Center, Institute of Fine Arts, New York University.
- 2010 (21-22 June): What is Archaeology? - Undertook two school visits in Abu Dhabi, to the Al Sokour Model School and Umm Ammar School, to give a "What is Archaeology?" presentation and workshop. This forms part of the 'Special Summer' activities programme, a joint initiative between the Abu Dhabi Authority for Culture and Heritage (ADACH) and Abu Dhabi Education.
- 2010 (4-6 May): In the Land of the Ichthyophagi: Prehistoric occupation of the coast and islands of the southern Arabian Gulf - a regional review. This was a paper given at the 2nd Adumatu Conference - Man and Environment in the Arab World in the light of Archaeological Discoveries, held in Sakaka, Saudi Arabia.
- 2010 (21 February): Cultural crossroads: From the Pre-Islamic period to the Rise of Islam in the U.A.E. – Pearls, Date Palms and Bedouin Life. Lecture to Dr Jane Bristol-Rhys's class of undergraduate students at Zayed University, Abu Dhabi.
- 2010 (16 February): Oasis Life, Camels and Trade: From the Bronze to Iron Age in the U.A.E. Lecture to Dr Jane Bristol-Rhys's class of undergraduate students at Zayed University, Abu Dhabi.
- 2010 (14 February): Prehistoric Times: From the Palaeolithic to Neolithic period in the U.A.E. Lecture to Dr Jane Bristol-Rhys's class of undergraduate students at Zayed University, Abu Dhabi.
- 2009 (19 November): GIS as a Cultural Heritage Management Tool within the Abu Dhabi Authority for Culture and Heritage. Presentation together with Sultan Al-Mansoori (ADACH IT co-ordinator). International GIS Day, Abu Dhabi National Exhibition Centre (ADNEC), Abu Dhabi, U.A.E.
- 2009 (17 November): Cultural Heritage of the Eastern Region – Urban Planning Council, Eastern Region 2030 Charrette, Hilton Hotel, Al Ain, U.A.E.
- 2009 (15 November): Marine Archaeology of the UAE – lecture given at the ADMA-OPCO Auditorium in Abu Dhabi. This was under the patronage of Sheikh Hazza Bin Hamdan bin Zayed Al Nahyan, the Environment Agency and the Emirates Diving Association, and formed part of the 14th Annual Clean-up Arabia Campaign.
- 2009 (8-10 May): A Late Miocene Fauna from the United Arab Emirates. Faysal Bibi, Andrew Hill, Mark Beech, and Walid Yasin - paper presented by Faysal Bibi. Neogene Terrestrial Mammalian Biostratigraphy and Chronology in Asia Workshop and Symposium - toward the Establishment of a Continent-Wide Stratigraphic and Chronologic Framework, Beijing, China.
- 2009 (29 April): Mapping the Past and Planning for the Future - the use of G.I.S. as a cultural heritage management tool in Abu Dhabi. Zayed Center for Heritage and History's Sixth Annual Symposium on Archaeology. The conference is entitled "A New Generation of Archaeologists - Building National Capacity through Teaching, Media and Technology". It is organised by Dr Hassan Naboodah (Director of the Zayed Center for Heritage and History), in conjunction with Dr Jane Bristol-Rhys (Zayed University).



- 2009 (24 February): The Protection of Cultural Landscapes in Abu Dhabi emirate. UAE Architectural Society - English Speaking Chapter, The Courtyard, Dubai.
- 2009 (1 February): Wild Camels, Lakes and the end of the Holocene Climatic Optimum. Paper jointly presented with M. Mashkour, A. Parker and A. Parton. 2nd International Conference on Archaeology in the United Arab Emirates, organised by the Ministry of Information, Youth and Community Development, Intercontinental Hotel, Abu Dhabi - 1-4 February 2009.
- 2009 (1 February): Neolithic life on Marawah Island - new perspectives and future prospects. Paper jointly presented with V. Charpentier and K. McSweeney. 2nd International Conference on Archaeology in the United Arab Emirates, organised by the Ministry of Information, Youth and Community Development, Intercontinental Hotel, Abu Dhabi - 1-4 February 2009.
- 2008 (25 November): Historic Exploitation of Groupers in the Arabian Gulf: An Archaeological Perspective. Regional Symposium on the Biology, Assessment & Management of Groupers, organised by the Environment Agency Abu Dhabi, Beach Rotana Hotel and Towers, Abu Dhabi - 25-27 November 2008.
- 2008 (23 November): Archaeology of the Late Pre-Islamic to Early Islamic Period: With a particular focus on recent discoveries on Sir Bani Yas Island, Abu Dhabi Emirate. New Perspectives On Recording UAE History - Center for Documentation and Research 40th Anniversary Conference. Under the patronage of H.H. Sheikh Mansour bin Zayed Al Nahyan, Minister of Presidential Affairs & President of the Center for Documentation and Research - 23-25 November 2008.
- 2008 (16 November): Prehistoric camels in Abu Dhabi's Western Region. Paper jointly presented with M. Mashkour, M. Huels and A. Zazzo. 9th Meeting of the Archaeozoology of South West Asia and Adjacent Areas (ASWA) Working Group conference, Mercure Hotel, Jebel Hafit, Al Ain, UAE - 25-20 November 2008.
- 2008 (16 November): Fish in the Desert - Late Islamic period Bedouin camp sites in Abu Dhabi. Paper jointly presented with T. Sasaki, H. Sasaki, M. Al-Neyadi, J. Al-Merri, A. Al-Haj, D. Tawalbeh, M. Al-Dhaheri, H. Al-Rashidi and A. Al-Meqbali. 9th Meeting of the Archaeozoology of South West Asia and Adjacent Areas (ASWA) Working Group conference, Mercure Hotel, Jebel Hafit, Al Ain, UAE - 25-20 November 2008.
- 2008 (16 November): New evidence for deep sea fishing: the Neolithic settlement at Akab, Umm al-Qaiwain. Paper jointly presented with S. Mery and V. Charpentier. 9th Meeting of the Archaeozoology of South West Asia and Adjacent Areas (ASWA) Working Group conference, Mercure Hotel, Jebel Hafit, Al Ain, UAE - 25-20 November 2008.
- 2008 (15 October): A River Fauna from the Arabian Desert: Late Miocene Fossils from the United Arab Emirates. Paper jointly presented with F. Bibi, A. Hill and W.Y. Al-Tikriti. Society of Vertebrate Palaeontology - 68th Annual Meeting, Renaissance Cleveland Hotel, Cleveland, Ohio, USA - 15-18 October 2008.
- 2008 (24 July): Prehistoric Camels in South-Eastern Arabia: the Discovery of a New Site in Abu Dhabi's Western Region, United Arab Emirates. Paper jointly presented with M. Mashkour, A. Zazzo and M. Huels. Seminar for Arabian Studies, British Museum, London - 24-26 July 2008.
- 2007 (27 November): Top 10 Archaeological Discoveries in Abu Dhabi and Ras Al-Khaimah - A personal journey (1994-2007). Emirates Natural History Group (ENHG) - Al Ain chapter. Intercontinental Hotel, Al Ain.
- 2007 (20 November): The Archaeology of Al Ain. Paper jointly presented with M. Al-Neyadi, W.Y. Al-Tikriti and P. Sheehan. TDIC Al Ain 2030 Charrette, Rotana Hotel, Al Ain.
- 2007 (7 November): An Archaeological Perspective on the Exploitation of Dugongs in the Arabian Gulf. Qatar Natural History Group, Doha, Qatar.

- 2007 (19 July): Barakah: A Middle Palaeolithic site in Abu Dhabi. Paper jointly presented with G. Wahida and W.Y. Al-Tikriti. Seminar for Arabian Studies, British Museum, London - 19-21 July 2007.
- 2007 (27 May): The Heritage of Abu Dhabi. Sheikh Zayed Private Academy for Girls.
- 2007 (6 May): An archaeological perspective on the exploitation of dugongs in the Arabian Gulf. Emirates Natural History Group (ENHG) - Dubai chapter. Emirates Academy of Hospitality Management, Jumeirah, Dubai.
- 2007 (20 March): An archaeological perspective on the exploitation of dugongs in the Arabian Gulf. Emirates Natural History Group (ENHG) - Abu Dhabi chapter. Cultural Foundation, Abu Dhabi.
- 2007 (1 March): Lecture 1: Before History - Abu Dhabi 6-8 million years ago - The fossil record; Lecture 2: From the Palaeolithic to the Iron Age - an overview of the Prehistory of Abu Dhabi and the UAE; and, Lecture 3: Pre-Islamic Arabia, the arrival of Islam and Islamic trade in the Gulf region. A series of three lectures on the palaeontology, prehistory and historical development of the U.A.E. Zayed University, Abu Dhabi.
- 2006 (31 October): New Insights into the Desert Neolithic of South-East Arabia: Recent Work at Kharimat Khor al Manahil and Khor al Manahil, Abu Dhabi, U.A.E. Paper jointly presented with H. Kallweit, R. Cuttler, A.Zander and W.Y. Al-Tikriti. International Symposium in Honor of Hans-Peter Uerpmann's 65th birthday, entitled "Archaeology and Human Ecology in Southwestern Asia", Tuebingen, Germany.
- 2006 (14 October): The Archaeology and Cultural Heritage of Dalma and Sir Bani Yas Islands. Paper jointly presented with W.Y. Al-Tikriti and S. El-Masri. Presentation to TDIC Master Planners, Abu Dhabi Golf Club.
- 2006 (30 September): Ancient Landscapes and Environments of Abu Dhabi – An Archaeological Perspective. Emirates Environmental Group. Le Meridien Hotel, Dubai.
- 2006 (27 July): Neolithic Tombs, Burnt mounds and Flints in the Desert: Recent work in the Umm az-Zammul region of Abu Dhabi emirate, UAE. Paper jointly presented with R.Cuttler, H. Kallweit and W.Y. Al-Tikriti. Seminar for Arabian Studies, British Museum, London - 27-29 July 2006.
- 2006 (29 May): An archaeological perspective on the exploitation of dugongs in the Arabian Gulf. Symposium on the Status and Conservation of Dugongs of the Arabian Gulf, Red Sea and Western Indian Ocean, organised by the Environment Agency - Abu Dhabi, sponsored by Total, held at the Beach Rotana Hotel, Abu Dhabi.
- 2006 (7 May): Rethinking the Neolithic of South-Eastern Arabia: New results from excavations on Marawah island and Umm az-Zamul, Abu Dhabi emirate, UAE. International Symposium - Archaeology of the Arabian Peninsula Through the Ages, held at the Intercontinental Hotel, Muscat, Sultanate of Oman - 7-9 May 2006.
- 2006 (26 April): Archaeological Discoveries in the Emirates. ISC Literary Section, Indian Social Club, Abu Dhabi.
- 2006 (30 March): Archaeological survey and excavations on Sadiyat island, Abu Dhabi Emirate: 2005 and 2006 seasons. Paper jointly presented with H. Kallweit and R. Cuttler. Fourth Annual Symposium on Recent Archaeological Discoveries in the Emirates, held at Le Mercure Hotel, Jebel Hafit, Al Ain - 29-30 March 2006.
- 2006 (29 March): Investigating the Desert Neolithic: a report on the 3rd season of archaeological survey and excavations at Umm az-Zamul, Abu Dhabi Emirate. Paper jointly presented with H. Kallweit, R. Cuttler and W.Y. Al-Tikriti. Fourth Annual Symposium on Recent Archaeological Discoveries in the Emirates, held at Le Mercure Hotel, Jebel Hafit, Al Ain - 29-30 March 2006.

- 2006 (29 March): Umm al-Ishtan and Bida al-Mutawa: new Late Miocene fossil sites in the Western Region of Abu Dhabi Emirate. Paper jointly presented with J. Stewart and H. Kallweit. Fourth Annual Symposium on Recent Archaeological Discoveries in the Emirates, held at Le Mercure Hotel, Jebel Hafit, Al Ain -29-30 March 2006.
- 2006 (5 March): The Application of Remote Sensing Technology in Archaeology and Coastal Zone Management in Abu Dhabi Emirate, United Arab Emirates. UNESCO Workshop - The Application of Remote Sensing Technology in Coastal Zone Management, organised by Environment Agency - Abu Dhabi, Novotel Centre Hotel, Abu Dhabi - 5-6 March 2006.
- 2005 (8 December): The Natural History of Jebel Hafit. World Heritage in the Arab States. UNESCO Regional Meeting in Abu Dhabi. Field trip to Mezyad Fort.
- 2005 (4 October): Elephants in the Desert: Abu Dhabi 8 Million Years Ago - The Story behind the Exhibition. Emirates Natural History Group - Abu Dhabi chapter, Cultural Foundation, Abu Dhabi.
- 2005 (5 June): The Coastal Archaeology of Abu Dhabi Emirate - The Value of an ICZM Approach Towards Management of the Heritage of the UAE. Paper jointly presented with P. Hellyer. Symposium on Integrated Coastal Zone Management in the United Arab Emirates, organised by the Environment Agency, Beach Rotana Hotel and Towers, Abu Dhabi - 5-8 June, 2005.
- 2005 (6 April): Archaeology in Arabia's Deserts - Recent fieldwork at Khor Al Manahil, Abu Dhabi Emirate, UAE. Paper jointly presented with H. Kallweit and W.Y. Al-Tikriti. 3rd Annual Symposium on Recent Archaeological Work in the Emirates, organised by the Zayed Centre for Heritage and History in Al Ain - 6-7 April 2005.
- 2005 (8 February): Archaeological Discoveries, Marawah Island, Abu Dhabi Western Region. Science and Literary Forum, Dalma Corner, Cultural Foundation, Abu Dhabi.
- 2005 (6 February): Recent Archaeological Discoveries on Marawah Island, Abu Dhabi emirate, UAE. Emirates Natural History Group - Dubai chapter, Emirates Academy of Hospitality Management, Jumeirah, Dubai.
- 2005 (1 February): Recent archaeological work on Marawah Island, Abu Dhabi Emirate, United Arab Emirates. Department of Museums and Antiquities, National Council for Culture, Arts & Letters, Kuwait City, Kuwait.
- 2004 (19 December): Thoughts on Underwater Archaeology. Organised by Abu Dhabi Scuba Diving Community, Kathleen Russell and Hazim Chalabi. ADMA-OPCO 1st floor auditorium, Abu Dhabi.
- 2004 (8 September): Underwater archaeology in the United Arab Emirates: Site identification and Code of Practice. Presentation to Abu Dhabi Divers, Mirfa Clean-Up operation, organised by Environment Agency - Abu Dhabi.
- 2004 (23 July): Kharimat Khor al-Manahil and Khor al-Manahil: new neolithic sites in the south-eastern desert of the United Arab Emirates. Paper jointly presented with H. Kallweit and W.Y. al-Tikriti. Seminar for Arabian Studies, British Museum, London - 22-24 July 2004.
- 2004 (23 July): New evidence for the Neolithic settlement of Marawah island (Abu Dhabi, United Arab Emirates). Paper jointly presented with R. Cuttler, D. Moscrop, H. Kallweit and J. Martin. Seminar for Arabian Studies, British Museum, London - 22-24 July 2004.
- 2004 (15 June): Archaeological Excavations on the island of Marawah, Abu Dhabi. Emirates Natural History Group - Abu Dhabi chapter, Cultural Foundation, Abu Dhabi.
- 2004 (28 May): Harvesting the Sea: Some aspects of the archaeology and history of maritime activities in the Arabian Gulf. Zayed University, Abu Dhabi.

- 2004 (24 April): The early development of fishing in the Gulf and the Arabian Sea. International Conference - Magan, an Early Arabian Civilization and the first Maritime Trade between India and the Near East, held at the Intercontinental Hotel, Muscat, Sultanate of Oman - 23-28 April 2004.
- 2004 (20 April): Elephants in Arabia: New work on Miocene fossils from Kuwait and the United Arab Emirates. Department of Antiquity and Museums, Kuwait National Museum and the National Council for Culture, Arts and Letters, Kuwait City.
- 2004 (7 April): New results from excavations of a Neolithic settlement on Marawah island, Abu Dhabi, United Arab Emirates. Paper jointly presented with R. Cuttler, D. Moscrop, H. Kallweit and J. Martin. 2nd Annual Symposium on Recent Archaeological Work in the Emirates, held at Le Mercure Hotel, Jebel Hafit, Al Ain - 7-8 April 2004.
- 2004 (7 April): Neolithic occupation in the southeastern region of the United Arab Emirates. Paper jointly presented with H. Kallweit and W.Y. Al-Tikriti. 2nd Annual Symposium on Recent Archaeological Work in the Emirates, held at Le Mercure Hotel, Jebel Hafit, Al Ain - 7-8 April 2004.
- 2004 (11 February): Recent work by the Abu Dhabi Islands Archaeological Survey. Qatar Natural History Group, Doha, Qatar. Visit kindly sponsored by Khalid Al Rabban, Rayyan Mineral Water Co., Qatar.
- 2003 (11 October): The Environmental History of Abu Dhabi Emirate: a palaeontological and archaeological perspective. Petroleum Institute, Abu Dhabi.
- 2003 (7 October): Elephants in the Desert: discovery of a new Late Miocene fossil site at Ruwais, Western Region of Abu Dhabi. Emirates Natural History Group - Abu Dhabi chapter, Cultural Foundation, Abu Dhabi.
- 2003 (29 September): Recent Palaeontological and Archaeological Discoveries in Abu Dhabi. Historical Association of Oman, Muscat, Sultanate of Oman.
- 2003 (17 July 2003): New archaeological investigations at Abu Dhabi Airport, United Arab Emirates. Paper jointly presented with P. Hellyer. Seminar for Arabian Studies, British Museum, London - 17-19 July 2003.
- 2003 (16 May): Nicopolis-ad-Istrum: the environmental perspective - methodology, problems and results. The Transition to Late Antiquity Symposium, British Academy, London - 15-18 May 2003.
- 2003 (2 April): A Late Miocene Fossil Proboscidean Trackway from Mleisa, Abu Dhabi Emirate. Paper jointly presented with W. Higgs and A. Gardner. 1st Annual Symposium on Recent Palaeontological and Archaeological Discoveries in the Emirates, held at Le Mercure Hotel, Jebel Hafit, Al Ain - 2-3 April 2003.
- 2003 (2 April): A New Late Miocene Fossil site in Ruwais, Western Region of Abu Dhabi, United Arab Emirates. Paper jointly presented with W. Higgs. 1st Annual Symposium on Recent Palaeontological and Archaeological Discoveries in the Emirates, held at Le Mercure Hotel, Jebel Hafit, Al Ain - 2-3 April 2003.
- 2003 (20 February): Water in the Gulf. Presentation to Seminar on Water Resources, organised by the Environment Agency - Abu Dhabi.
- 2002 (5 November): Hunting, Fishing, Herding and Trading: The archaeology of a 7000 year old Arabian Neolithic coastal settlement at Sabiyah, Kuwait. Emirates Natural History Group - Abu Dhabi chapter, Cultural Foundation, Abu Dhabi.
- 2002 (15 September): Archaeobotanical Evidence for Early Date Consumption in the Arabian Gulf. International Date Palm Forum, organised by the Emirates Center for Strategic Studies and Research, on behalf of the Minister of Information and Culture, Abu Dhabi, UAE - 15-17 September 2002.

- 2002 (29 August): Preliminary report on the vertebrate fauna from site H3, Sabiyah: an Arabian Neolithic/Ubaid site in Kuwait. 6th Meeting of the Archaeozoology of South West Asia and Adjacent Areas (ASWA) Working Group conference, held at the Institute of Archaeology (UCL), London - 29 August - 1 September 2002.
- 2002 (24 August): Modelling ancient crab consumption in the Arabian Gulf and Gulf of Oman. Paper jointly presented with P. Hogarth, in the "Coastal adaptations in arid environments" session at the 9th Conference of the International Council of Archaeozoology (ICAZ), held at the University of Durham, UK - 23-28 August 2002.
- 2001 (15 November): The environment and economy of an early 5th millennium BC site on Dalma island, UAE. The Fifth Millennium BC in the Near East, conference jointly organised by the University of Liverpool and Manchester (Sponsored by the British Institute of Archaeology at Ankara, British School of Archaeology in Iraq, Council for British Research in the Levant and National Museums and Galleries on Merseyside), Liverpool - 15-18 November 2001.
- 2001 (19 July): In the Land of the Ichthyophagi: Modelling fish exploitation in the Arabian Gulf and Gulf of Oman from the 5th millennium BC to the Late Islamic Period. Seminar for Arabian Studies. Royal Museum of Scotland, Edinburgh - 19-21 July 2001.
- 2001 (9 June): Herding, Fishing, Pearling and Trading: Re-examining the Early Neolithic of the Arabian Gulf. York University Archaeology Society Annual Conference.
- 2001 (16 April): The Development of Fishing in the UAE: a Zooarchaeological Perspective. First International Conference on Emirates Archaeology, organised by the Zayed Center for Heritage and History, in Abu Dhabi, with the co-sponsorship of the Ministry of Information and Culture of the United Arab Emirates, Intercontinental Hotel, Abu Dhabi - 15-19 April 2001.
- 2000 (17-19 July): What did they eat in early Eastern Arabia? Historic Oman: Cultures, Contacts, Environment Conference, sponsored by the Anglo-Omani Society and organised at The British Museum (Department of Western Asiatic Antiquities), London, UK - 17-19 July 2000.
- 2000 (8 April): Fishing through time: Using archaeological fish remains to reconstruct ancient fishing practices and coastal habitats in the Arabian Gulf. 2nd Arab Conference and Exhibition on Environmental Biotechnology - The Coastal Habitats (Arab Envirotec 2), Abu Dhabi - 8-11 April 2000.
- 2000 (23 January): Protected areas and cultural heritage: An Abu Dhabi case study. Paper jointly presented with P. Hellyer. 1st International Symposium and Workshop on Arid Zone Environments: Research and Management Options for Protected Areas, organised by the Environmental Research and Wildlife Development Agency (ERWDA), Abu Dhabi, United Arab Emirates - 23-25 January 2000.
- 1999 (24 September) Modelling the ancient seasonal exploitation of marine resources in the southern Arabian Gulf: a study of archaeological otoliths and modern fisheries data. Paper jointly presented with M. Salem. 10th meeting of the ICAZ (International Council for Archaeozoology) Fish Remains Working Group Conference - Hunter College, New York City - 24-28th Sept 1999.
- 1999 (15 July): Reconsidering the Ubaid of the southern Gulf: New results from excavations on Dalma island, U.A.E. Paper jointly presented with J. Elders and E. Shepherd. Seminar for Arabian Studies. Institute of Archaeology, University College London - 15-17 July 1999.
- 1999 (12 June): History versus Archaeology: an archaeozoological insight into Byzantine monastic life in Jordan. York Archaeology Society Conference, King's Manor, University of York, U.K.
- 1998 (18 September): Presentation of the "Regeneration Through Heritage" website to HRH Prince Charles at Highgrove.

- 1998 (25 August): Ancient fishing strategies in the southern Arabian Gulf: regional modelling of species association and biometric data. Session: Current Topics in South Asian and Gulf Archaeozoology. International Council of Archaeozoology (ICAZ), University of Victoria, British Columbia, Canada - 23-30 August 1998.
- 1998 (29 June): Preliminary report on the faunal remains from Dalma, an Ubaid settlement in Abu Dhabi Emirate, United Arab Emirates. Fourth International Conference of Archaeozoology of South West Asia and Adjacent Areas (ASWA), held at the Museum National d'Histoire Naturelle, Paris, France - 29th June - 3rd July 1998.
- 1998 (5 June): Fishing and marine exploitation in south-east Arabia: evidence from the Late Sasanian and Early Islamic periods. Research Seminar on Sasanian Agriculture and Technology - New Directions of Research, organised by Dr. St. John Simpson, Department of Western Asiatic Antiquities, British Museum.

## **SOCIETY MEMBERSHIPS**

- 1998+ *Archaeozoologists of South-West Asia and Adjacent Regions (ICAZ-ASWA)*
- 1986+ *Association for Environmental Archaeology (AEA)*
- 2010+ *British Foundation for the Study of Arabia (BFSA)*
- 2002+ *Emirates Natural History Group (ENHG)*
- 1998+ *International Council for Archaeozoology (ICAZ)*
- 1997+ *ICAZ Fish Remains Working Group (ICAZ-FRWG)*
- 1997+ *Seminar for Arabian Studies (SAS)*
- 1998-2010: *Society for Arabian Studies (SFAS)*
- 1997-2002: *York Archaeology Society (YAS)*

## **FIELD WORK**

- 2016 (May): Zahr village, Sir Bani Yas Island (May 2016) – excavation of irrigation system in the walled date palm garden, together with Abdulla Al Kaabi and Ahmed Abdulla El Haj.
- 2016 (May): Dalma Island (May 2016) - excavation of the Ubaid-related settlement, together with Abdulla Al Kaabi, Ahmed Abdulla El Haj, Fathy Mohammed Abdulla, Zahir and Khalid.
- 2016 (February): Marawah Island (February 2016) – excavation of site MR11, the Ubaid-related settlement, together with Dr Richard Cuttler, John Martin, Abdulla Al Kaabi, Ahmed Abdulla El Haj, Zahir and Raqem.
- 2015 (December): Saadiyat Island (December 2015) – excavation of Late Islamic settlement, together with Abdulla Al Kaabi, Ahmed Abdulla El Haj, Dr Anjana Reddy Lingareddy, Dr Robert Parthesius and Fadhl Al Eryani (NYUAD).
- 2015 (November): Baynunah camel project (November 2015) – excavation, conservation and extraction of camel bones, together with Dr Marjan Mashkour, Prof. Terry O'Connor, Dr. Sonia O'Connor, Karyne Debue, Will Higgs, Abdulla Al Kaabi and Ahmed Abdulla El Haj.
- 2015 (October): Zahr village, Sir Bani Yas Island (October 2015) – excavation of the Zahr village well, together with Ahmed Abdulla El Haj, Dr Anjana Reddy Lingareddy, John Martin, Melis Gumosoglu, Mohammed Al Mansouri, Nabi Khan and Samir Hassan.

- 2015 (June): Boats and Ancient Harbours fieldwork (June 2015): measuring and photographing traditional wooden boats in Abu Dhabi, conducting filmed and sound recorded interviews with old ship builders and fishermen. Also, combining the existing archives for photographs, films, stories, etc - about these traditional wooden boats. This project is together with Prof. Dionisus Agius, Eric Staples, Alessandro Ghidoni, Dr John Cooper and Dr Lucy Blue.
- 2015 (March-April): Dalma Island (March-April 2015) – excavation of the Ubaid-related settlement, together with Dr Anjana Reddy, Ahmed Abdulla El Haj, Fathy Mohammed Abdulla, Dr Nurcan Yalman, Melis Gumosoglu, Zahir, Khalid and Sami.
- 2015 (February): Marawah Island (February 2015) - excavation of site MR11, the Ubaid-related settlement, together with Ahmed Abdulla El Haj, John Martin, Zahir and Nasser.
- 2014 (December): Baynunah Fossil project (December 2014) – field survey of fossil sites along the coast of Al Gharbia with Dr Faysal Bibi, Dr Brian Kraatz, Dr Ilaria Mazzini, Dr Kevin Uno & Marilyn Fox.
- 2014 (November): Baynunah camel project (November 2014) – mapping and excavation with Dr Marjan Mashkour, Dr Gourguen Davtian, Will Higgs, Anne Mortimer and Kirk Roberts.
- 2012-present: Between July 2006 up until the present time I have been involved with more than 700 Preliminary Cultural Review (PCR) archaeological surveys for the Abu Dhabi Authority for Culture and Heritage (ADACH) and the Abu Dhabi Tourism and Culture Authority (TCA Abu Dhabi). These have ranged from one day up to a week in duration, and have covered a wide Area throughout Abu Dhabi emirate, including Sila, Sabkha Matti, Umm Al-Ishtan, Bida Al-Mutawaa, Ghayathi, Jebel Dhanna, Ruwais, Delma Island, Marawah Island, Medinat Zayed, Liwa, Shah, Bab, Habshan, Mirfa, Mafraq, Abu Dhabi Island, Rheem Island, Saadiyat Island, Yas Island (Habel Al-Abyadh), Shahama, Tawila, Ajban, Al Ain and Jabeeb. Role and Responsibilities: Survey Director, GIS mapping and report preparation.
- 2011 (October): Coastal Maritime Heritage Project - Delma Island: together with colleagues, Peter Sheehan (Historic Buildings Manager, Historic Environment Department, ADACH) & other ADACH colleagues: Waleed Omar (Geophysicist), Omar Al Kaabi & Mohammed Khalifa (Archaeologists), and in partnership with Dr Lucy Blue (Director of the Maritime Archaeology Stewardship Trust (MAST) and Senior Lecturer in the Department of Archaeology at the University of Southampton, UK) and Kristian Strutt (Geophysicist/Experimental Officer, Department of Archaeology, University of Southampton, UK). Role and Responsibilities: Surveying of archaeological sites and assisting with geophysical survey, including mapping of the ancient fish traps on the west coast of Delma island.
- 2011 (January): Abu Dhabi Authority for Culture and Heritage, together with Prof. Andrew Hill and Marilyn Fox (Yale), Dr Faysal Bibi (Poitiers), Dr Brian Kraatz (Western University), Dr Matthieu Schuster (Poitiers) and Dr Nathan Craig (Penn State University) - investigation of Late Miocene fossil sites in the Western Region of Abu Dhabi emirate. Role and Responsibilities: Co-Director, with Prof. A.Hill and Dr. F. Bibi. Surveying & excavation of fossil localities.
- 2010 (January): Abu Dhabi Authority for Culture and Heritage, together with Prof. Andrew Hill and Faysal Bibi of Yale University, and Dr Brian Kraatz of the American Museum of Natural History (New York) - investigation of Late Miocene fossil sites in the Western Region of Abu Dhabi emirate. Role and Responsibilities: Surveying and excavation of fossil localities.
- 2009 (March): Kuwaiti/Slovak Archaeological Mission on Failaka island, Kuwait. Brief visit for weekend to see ongoing results of analysis of material from the Al-Khidr and Al-Qussur excavations.
- 2008 (May): Bayunah Camel bone site. Together with Dr Marjan Mashkour, carried out preliminary investigation of this prehistoric wild camel bone site.
- 2008 (April-May): Investigation of Late Islamic period desert sites (Tawi Beduwa Shwaiba and Al Mari) in Abu Dhabi emirate, together with Professor Tatsuo Sasaki and Dr Hanae Sasaki, and colleagues from the ADACH Al Ain Historic Environment Department. Role and Responsibilities: Surveying, Mapping and Environmental sampling of localities. Analysis of animal bones and marine shells.

- 2008 (March): Kuwaiti/Slovak Archaeological Mission on Failaka island, Kuwait.  
Role and Responsibilities: Zooarchaeologist, carrying out, together with Zora Miklikova, analysis of the fish bone assemblage from the excavations of the Bronze age/Dilmun period settlement excavated at Al-Khidr. Assisted with the construction of a comparative collection of marine fish skeletons.
- 2008 (Dec) - 2009 (Jan): Abu Dhabi Authority for Culture and Heritage, together with Prof. Andrew Hill and Faysal Bibi of Yale University, and Dr Brian Kraatz of the American Museum of Natural History (New York) - investigation of Late Miocene fossil sites in the Western Region of Abu Dhabi emirate. Role and Responsibilities: Surveying and excavation of fossil localities.
- 2007 (Dec) - 2008 (Jan): Abu Dhabi Authority for Culture and Heritage, together with Prof. Andrew Hill, Faysal Bibi, Dr Walter Joyce and Marilyn Fox of Yale University - investigation of Late Miocene fossil sites in the Western Region of Abu Dhabi emirate. Role and Responsibilities: Surveying and excavation of fossil localities.
- 2007 (July): Abu Dhabi Authority for Culture and Heritage, survey visits to Dalma & Sir Bani Yas Islands.  
2007 (March): Kuwaiti/Slovak Archaeological Mission on Failaka island, Kuwait.  
Role and Responsibilities: Zooarchaeologist, carrying out, together with Zora Miklikova, analysis of the fish bone assemblage from the Bronze age/Dilmun period settlement being currently excavated at Al-Khidr. Assisted with the construction of a comparative collection of marine fish skeletons.
- 2006 (December): Abu Dhabi Authority for Culture and Heritage, together with Dr Walid Yasin (ADACH), Prof. Andrew Hill and Faysal Bibi of Yale University - investigation of Late Miocene fossil sites in the Western Region of Abu Dhabi emirate. Role and Responsibilities: Surveying and mapping of all existing fossil sites for an evaluation report.
- 2006 (November): Abu Dhabi Authority for Culture and Heritage, together with Dr Walid Yasin (ADACH) and Dr Julie and Dr William Scott-Jackson - brief survey and evaluation of Palaeolithic sites in Western Region of Abu Dhabi emirate, including Jebel Barakah, Shuweihat and Hamra.
- 2005 (November): Abu Dhabi Islands Archaeological Survey, field visit to Umm Al-Ishtan in the Western Region of Abu Dhabi. Role and Responsibilities: together with Peter Hellyer, to investigate further Late Miocene elephant bones.
- 2005 (April): Abu Dhabi Islands Archaeological Survey, Umm az-Zumul (Kharimat Khor Al Manahil and Khor Al Manahil), United Arab Emirates (Neolithic desert settlement and lithic scatters) - Role and Responsibilities: worked with Dr Anja Zander (Marburg University, Germany) and Dr Heiko Kallweit (Freiburg, Germany) undertaking OSL samples from various sites at Umm az-Zumul.
- 2004 (Dec) - 2005 (Jan): Abu Dhabi Islands Archaeological Survey, Umm az-Zumul (Kharimat Khor Al Manahil and Khor Al Manahil), United Arab Emirates (Neolithic desert settlement and lithic scatters) - Role and Responsibilities: Co-director with Dr Heiko Kallweit (Freiburg, Germany) and Dr Walid Yasin Al-Tikriti (Al Ain, U.A.E.).
- 2004 (March-April): Abu Dhabi Islands Archaeological Survey, Marawah Island, site MR11, UAE (Neolithic settlement) - Role and Responsibilities: Field Director.
- 2004 (January): Abu Dhabi Islands Archaeological Survey, Umm az-Zumul (Kharimat Khor Al Manahil and Khor Al Manahil), United Arab Emirates (Neolithic desert settlement and lithic scatters) - Role and Responsibilities: Co-director with Dr Heiko Kallweit (Freiburg, Germany).
- 2003 (March-April): Abu Dhabi Islands Archaeological Survey, Marawah,, sites MR1 and MR11, United Arab Emirates (Late Miocene fossil site) - Role and Responsibilities: Field Director.
- 2002 (Nov-Dec): Abu Dhabi Islands Archaeological Survey, Ruwais, United Arab Emirates (Late Miocene fossil site) - Role and Responsibilities: Director.2003 (January - March) - Abu Dhabi Islands



- Archaeological Survey, Ruwais, United Arab Emirates (Late Miocene fossil site) -  
Role and Responsibilities: Field Director.
- 2002 (Feb-March): Site H3, As-Sabiyah, Kuwait (Ubaid settlement) - British Archaeological Expedition to Kuwait, Dr. Harriet Crawford and Dr. Rob Carter, Institute of Archaeology (UCL), London -  
Role and Responsibilities: Zooarchaeologist/Environmental Archaeologist.
- 2001 (December): Dalma island, site 11, United Arab Emirates (Ubaid settlement) - Dr. Mark Beech, Maria Beech and Dan Hull, Abu Dhabi Islands Archaeological Survey -  
Role and Responsibilities: Field Director.
- 2001 (November): Dalma island, site 11, United Arab Emirates (Ubaid settlement) - Dr. Mark Beech, Dan Hull and Paula Wallace, Abu Dhabi Islands Archaeological Survey - Role and Responsibilities: Field Director.
- 2001 (January-March): Site H3, As-Sabiyah, Kuwait (Ubaid settlement) - British Archaeological Expedition to Kuwait, Dr. Harriet Crawford and Dr. Rob Carter, Institute of Archaeology (UCL), London -  
Role and Responsibilities: Zooarchaeologist/Environmental Archaeologist.
- 1999 (April): Merawah island, site MR6, United Arab Emirates (Early Islamic lime kilns) - Nadia Iacono and Graham Wilson, Abu Dhabi Islands Archaeological Survey -  
Role and Responsibilities: Zooarchaeologist/Environmental Archaeologist/Excavator.
- 1998 (March): Dalma island, site 11, United Arab Emirates (Ubaid settlement) - Mark Beech and Dr. Joseph Elders, Abu Dhabi Islands Archaeological Survey - Role and Responsibilities: Co-director/Zooarchaeologist/Environmental Archaeologist.
- 1997 (July): Dichin/Nicopolis-ad-Istrum, Bulgaria (Late Roman/Byzantine settlement) - Dr. Andrew Poulter, Dept. of Archaeology, University of Nottingham -  
Role and Responsibilities: Zooarchaeologist/Environmental Archaeologist.
- 1997 (February): Balghelam island, United Arab Emirates (Late Islamic coastal midden) - Salvatore Garfi, Abu Dhabi Islands Archaeological Survey - Role and Responsibilities: Directed surface collection and excavation of test trenches.
- 1996 (May): Deir 'Ain 'Abata, Jordan (Byzantine church and monastery) - Dino Politis, Dept. of Later and Medieval Antiquities, British Museum - Role and Responsibilities: Zooarchaeologist.
- 1996 (March-April): Sir Bani Yas, site 9, United Arab Emirates (Pre-Islamic Christian monastery) - Dr. Joseph Elders, Abu Dhabi Islands Archaeological Survey -  
Role and Responsibilities: Zooarchaeologist/Environmental Archaeologist.
- 1995 (May): Deir 'Ain 'Abata, Jordan (Byzantine church and monastery) - Dino Politis, Dept. of Later and Medieval Antiquities, British Museum - Role and Responsibilities: Zooarchaeologist.
- 1995 (March-April): Sir Bani Yas, site 9, United Arab Emirates (Pre-Islamic Christian monastery) - Dr. Joseph Elders, Abu Dhabi Islands Archaeological Survey -  
Role and Responsibilities: Zooarchaeologist/Environmental Archaeologist.
- 1994 (May): Deir 'Ain 'Abata, Jordan (Byzantine church and monastery) - Dino Politis, Dept. of Later and Medieval Antiquities, British Museum - Role and Responsibilities: Zooarchaeologist.
- 1994 (March-April): Sir Bani Yas, site 9, United Arab Emirates (Pre-Islamic Christian monastery) - Dr. Joseph Elders, Abu Dhabi Islands Archaeological Survey -  
Role and Responsibilities: Zooarchaeologist/Environmental Archaeologist.
- 1993-95: Various localities in Prague, e.g. Holan, Myselbek, Ptrossova and Opatovicka (mostly Medieval - Post-Medieval urban deposits) - Michal Bures, ARCHAIA -  
On-site sampling of deposits - Role and Responsibilities: Zooarchaeologist/

Environmental Archaeologist.

- 1992 (July-August): Central and Northern Bohemia, Czechoslovakia (Multi-period landscape) - Dr. Marek Zvelebil, Dept. of Archaeology, Univ. of Sheffield & Dr. Martin Kuna, Institute of Archaeology, Prague - Role and Responsibilities: Field walking/ Environmental Archaeologist.
- 1991 (August): Central and Northern Bohemia, Czechoslovakia (Multi-period landscape) - Dr. Marek Zvelebil, Dept. of Archaeology, Univ. of Sheffield & Dr. Martin Kuna, Institute of Archaeology, Prague - Role and Responsibilities: Field walking/ Environmental Archaeologist.
- 1991 (July): Nicopolis-ad-Istrum, Bulgaria (Roman/Late-Roman/Byzantine settlement) - Dr. Andrew Poulter, Dept. of Archaeology, University of Nottingham - Role and Responsibilities: Zooarchaeologist/Environmental Archaeologist.
- 1990 (July-September): Nicopolis-ad-Istrum, Bulgaria (Roman/Late-Roman/Byzantine settlement) - Dr. Andrew Poulter, Dept. of Archaeology, University of Nottingham - Role and Responsibilities: Zooarchaeologist/Environmental Archaeologist.
- 1990 (January-April): Pabbi Hills, Pakistan (Lower Paleolithic sites) - Dr. Robin Dennell, Dept. of Archaeology, Univ. of Sheffield - Role and Responsibilities: Directed excavation of 1.2 mya fossil site.
- 1989 (July-August): Nicopolis-ad-Istrum, Bulgaria (Roman/Late-Roman/Byzantine settlement) - Dr. Andrew Poulter, Dept. of Archaeology, University of Nottingham - Role and Responsibilities: Zooarchaeologist/Environmental Archaeologist.
- 1989 (January-April): Pabbi Hills, Punjab, Pakistan (Lower Paleolithic sites) - Dr. Robin Dennell, Dept. of Archaeology, Univ. of Sheffield - Survey, field walking, fossil collecting. Role and Responsibilities: Co-directed excavation of a fossil locality.
- 1988 (July-Sept): Nicopolis-ad-Istrum, Bulgaria (Roman/Late-Roman/Byzantine settlement) - Dr. Andrew Poulter, Dept. of Archaeology, University of Nottingham - Role and Responsibilities: Zooarchaeologist/Environmental Archaeologist.
- 1988 (March): Wigley Meadow Farm, Winster, Derbyshire (Medieval enclosure) - Cathy Coutts, Dept. of Archaeology and Prehistory, Univ. of Sheffield - Role and Responsibilities: Excavator/Zooarchaeologist.
- 1987 (August): Nicopolis-ad-Istrum, Bulgaria (Roman/Late-Roman/Byzantine settlement) - Dr. Andrew Poulter, Dept. of Archaeology, University of Nottingham - Role and Responsibilities: Zooarchaeologist/Environmental Archaeologist.
- 1987 (April): Thorpe Common, nr. Creswell Crags, Derbyshire (Mesolithic rock shelter site) - Dr. David Gilbertson, Dept. of Archaeology and Prehistory, Univ. of Sheffield - Role & Responsibilities: Excavator/Environmental Archaeologist.
- 1986 (September): Boxgrove, Sussex (Palaeolithic site) - Mark Roberts, Sussex Archaeological Field Unit - Role and Responsibilities: Excavator.
- 1986 (July-August): Nicopolis-ad-Istrum, Bulgaria (Roman/Late-Roman/Byzantine settlement) - Dr. Andrew Poulter, Dept. of Archaeology, University of Nottingham - Role and Responsibilities: Zooarchaeologist/Environmental Archaeologist.
- 1985 (late September): Pontnewydd Cave, Wales (Palaeolithic cave) - Dr Stephen Green, National Museum of Wales - Role and Responsibilities: Excavator.
- 1985 (September) Foston, North Yorkshire (Iron age settlement, Medieval moated manor house) - Julian Bennett, Central Excavation Unit, English Heritage - Role and Responsibilities: Zooarchaeologist / Environmental Archaeologist.

1985 (July-August)	Bedern Bank, Ripon, North Yorkshire (Medieval urban deposits) - Dominic Perrin, Central Excavation Unit, English Heritage - Role and Responsibilities: Zooarchaeologist / Environmental Archaeologist.
1984 (late August)	Seamer Carr, North Yorkshire (Mesolithic settlement) - Tim Schadla-Hall, Hull Museums - Role and Responsibilities: Excavator.
1984 (July-August)	Boxgrove, Sussex (Palaeolithic site) - Mark Roberts, Sussex Archaeological Field Unit – Role and Responsibilities: Excavator.
1984 (June-July)	Pontnewydd Cave, Wales (Palaeolithic cave) - Dr Stephen Green, National Museum of Wales - Role and Responsibilities: Excavator.
1984 (April):	Cornish Farm, Sussex (Medieval farmstead) - Dr. Peter Drewett, Sussex Archaeological Field Unit - Role and Responsibilities: Site Supervisor.
1984 (March):	Bullock Down, Sussex (Multi-period landscape) - Dr. Peter Drewett, Sussex Archaeological Field Unit - Role and Responsibilities: Field walking.
1983 (August):	Seamer Carr, North Yorkshire (Mesolithic settlement) - Tim Schadla-Hall, Hull Museums Role and Responsibilities: Excavator.
1983 (July)	La Mastine, west-central France (Late neolithic enclosure) - Dr. Christopher Scarre, University of Cambridge & Serge Cassen/Christine Boujout, CNRS, Sorbonne, Paris Role and Responsibilities: Excavator.
1983 (April)	Seaford Head, Sussex (Iron age enclosure) - Dr. Owen Bedwin, Sussex Archaeological Field Unit - Role and Responsibilities: Excavator.
1982 (July-August);	Hickleton Church, South Yorkshire (Early medieval church and burials) - South Yorkshire Archaeology Unit - Role and Responsibilities: Excavator.
1979 (July):	Sheffield Manor, Sheffield (Post-Medieval hunting lodge) - Dr. Pauline Beswick, Sheffield City Museums - Role and Responsibilities: Excavator.

## **MAJOR RESEARCH PROJECTS**

2012 - present:	<p>Various projects for the Abu Dhabi Tourism and Culture Authority (TCA Abu Dhabi), incl:</p> <ul style="list-style-type: none"> <li>• Coastal Heritage: excavations of the Ubaid-related sites on both Delma Island (May and September 2014; April 2015 and May 2016) and Marawah island (October 2014, March 2015) – including topographic and geophysical survey on Sir Bani Yas Island, including excavation of a Late Islamic period well at Al Zahr village at the northern side of Sir Bani Yas Island (October 2015).</li> <li>• Baynunah Camel cemetery: mapping, sampling, excavation and study of these 6000 year old wild camel skeletons (November 2014 and November 2015).</li> <li>• Baynunah Fossil Project: Baynunah Palaeontology conference 10 December 2014 &amp; fossil fieldwork (December 2014).</li> <li>• Boats and Ancient Harbours Project: Seminar held on 8 June 2015 &amp; fieldwork carried out measuring traditional wooden boats in Abu Dhabi, compiling bibliographic references, photographs, films and other important material.</li> <li>• Mapping of Cultural Heritage of Abu Dhabi emirate - using GIS &amp; databases: this includes the establishment of a geospatial database of all cultural heritage sites in Abu Dhabi</li> </ul>
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emirate, plus the use of ESRI ArcGIS platform as a tool for management of cultural heritage resources in Abu Dhabi emirate.

- No Objection Certificates (formerly known as Preliminary Cultural Reviews, PCRs) - rescue archaeology surveys and excavations in advance of construction projects.

2006 - 2012:

Various projects for the Abu Dhabi Authority for Culture and Heritage (ADACH), incl:

- Mapping of Cultural Heritage of Abu Dhabi emirate - using GIS & databases: this includes the establishment of a geospatial database of all cultural heritage sites in Abu Dhabi emirate, plus the use of ESRI ArcGIS platform as a tool for management of cultural heritage resources in Abu Dhabi emirate.
- Establishment of Preliminary Cultural Review (PCR) system (together with other colleagues) - rescue archaeology surveys and excavations in advance of construction projects.
- Late Miocene fossils of Abu Dhabi – the Baynunah Fossil Project - together with Prof. Andrew Hill (Yale University, USA) and Dr Faysal Bibi (Natural History Museum, Berlin) - survey & excavation of various 6-8 million year old sites.
- Investigating the Neolithic of the Rub al-Khali (together with various colleagues from TCA, Richard Cuttler, Birmingham Archaeology, University of Birmingham, U.K. and Dr Heiko Kallweit, Germany).
- Survey & excavation of coastal & desert interior sites providing an insight into Neolithic communities in South-East Arabia.
- Coastal Maritime Heritage project in collaboration with my colleague, Peter Sheehan (Head of Historic Buildings in the Historic Environment Department at ADACH), and in partnership with Dr Lucy Blue (Director of the Maritime Archaeology Stewardship Trust (MAST) and Senior Lecturer in the Department of Archaeology at the University of Southampton, UK).

2006 - 2009:

Kuwait-Slovak Archaeological Mission (KSAM), Failaka Island, Kuwait.

2000 - 2006:

Kuwait/British Archaeological Expedition, As-Sabiyah, Kuwait, National Museum of Kuwait and Institute of Archaeology, University College, London, U.K.

1996:

Qermez Dere – Early Neolithic Animal Exploitation in Northern Iraq, Natural Environment Research Council / Environmental Archaeology Unit, University of York, U.K. and Dr. Trevor Watkins, Department of Archaeology, University of Edinburgh, U.K.

1996 - 2003:

Kush, Ras al-Khaimah, United Arab Emirates - A Sasanian and Islamic period Tell, National Museum of Ras Al-Khaimah and University of Durham, U.K.

1995 - 1996:

Castle Mall, Norwich, U.K., Development of a Saxon and Medieval City, English Heritage Zooarchaeology Laboratory, Department of Ancient History and Archaeology, University of Birmingham and the Norfolk Archaeological Unit.

1994 - 2006:

Abu Dhabi Islands Archaeological Survey (ADIAS), United Arab Emirates.

1994 - 1999:

The Sanctuary and Monastery of St. Lot at Deir 'Ain 'Abata, Jordan, Department of Later and Medieval Antiquities, British Museum and Department of Antiquities, Jordan.

1991 - 1994:

Ancient Landscape Reconstruction in Bohemia, Czech Republic, Department of Archaeology and Prehistory, University of Sheffield, together with the Institute of Archaeology, Czech Academy of Sciences, Prague, Czech Republic.

1990 - 1991:

Pakenham – the development of a Roman city, U.K., Suffolk Archaeological Unit, funded by English Heritage.

- 1989 - 1990: British Archaeological Mission to Pakistan, Punjab, Pakistan  
 - Palaeolithic survey and excavations,  
 Department of Archaeology and Prehistory, University of Sheffield,  
 together with the Department of Antiquities and Geological Survey of Pakistan.
- 1987: Haddenham Landscape Archaeology Project, U.K.,  
 University of Cambridge Archaeology Unit.
- 1986-91 and 1997: Nicopolis-ad-Istrum and Dichin, Bulgaria  
 - The City in Late Antiquity (Roman, Late Roman and Byzantine period),  
 Department of Archaeology, University of Nottingham, U.K.,  
 Veliko Turnovo Museum and Institute of Archaeology, Sofia, Bulgaria.

## COMPUTING

Over 30 years experience with PC and Macintosh computers. Excellent knowledge of Windows operating system, Macintosh Lion, Microsoft Office, Adobe Acrobat, Adobe Photoshop, Macromedia Dreamweaver, WordPress and other internet software (e.g. web browsers, FTP, etc.). I have a good knowledge of HTML and have been the principal webmaster for a number of websites including:

Dr Mark Jonathan Beech - <http://www.markbeech.com/>

Abu Dhabi Islands Archaeological Survey (ADIAS) - <http://www.adias-uae.com/>

Kater Murr's Press - <http://www.katermurr.com>

## GEOGRAPHIC INFORMATION SYSTEMS

Since 2002 I have been involved in working with GIS applications and the development of the TCA Abu Dhabi Geodatabase, a geo-referenced database of palaeontological, archaeological, and historical sites within Abu Dhabi emirate in the United Arab Emirates. All mapping of archaeological sites in the field is carried out using GPS-based systems. Maps are subsequently generated using ESRI ArcGIS/ArcMap 10, utilising geo-referenced satellite images and basemaps provided by the ADSIC SDI Geoportal, and other suitable GIS resources. I am a regular attendee of the ADSIC SDI GIS stakeholder meetings, and attend the annual GISWORX 3-day long conference and exhibition held in Dubai each April for the UAE GIS community. In December 2012 I attended the Esri Middle East and Africa User Conference, held at the Abu Dhabi National Exhibition Centre in Abu Dhabi, UAE. In July 2013 I attended the Esri International User Conference, held at the San Diego Convention Center, USA.

I have undertaken the following ESRI GIS training courses:

- Introduction to ArcGIS Desktop 1: Getting Started with GIS (26 May 2008)
- ArcGIS Desktop 2 v.9.3: Tools and Functionality (11 November 2010)
- ArcGIS10 is an Image Classification & Analysis Workstation (16 March 2011)
- Cartography with ArcGIS (16 March 2011)
- Data Production & Editing Techniques in ArcGIS 10 (16 March 2011)
- Georeferencing Rasters & Spatial Data Correction in ArcGIS (16 March 2011)
- Model Building & Geoprocessing Tools in AGS10 (16 March 2011)
- Mosaic Datasets & Image Server Extension in ArcGIS10 (16 March 2011)
- Performing Analysis with ArcGIS Desktop – Offering 1 (16 March 2011)
- Performing Analysis with ArcGIS Desktop – Offering 2 (16 March 2011)
- User Interface & Data Access Enhancements in ArcGIS10 (16 March 2011)
- ESRI Maps for Microsoft Office (4 April 2013)
- Getting to know ArcGIS Online Content (4 April 2013)
- Introducing ArcGIS Online for Organizations (4 April 2013)
- Introduction to Map Automation through Python (4 April 2013)
- Map Makeovers for Online Maps (4 April 2013)
- Spatial Statistics Best Practices (4 April 2013)

- Visualizing History with GIS (4 April 2013)
- What's New in ArcGIS Desktop at 10.1 (4 April 2013)
- What's New for Geodatabases and Upgrading to 10.1 (4 April 2013)

## **DRIVING**

UK Driving License (since 1991).

UAE driving license (since 2002).

## PUBLICATIONS

### BOOKS / MAJOR PUBLICATIONS

Bibi, F., A. Hill and M. Beech (in prep.). *A Thousand and One Fossils*. Yale University Press and Abu Dhabi Tourism and Culture Authority.

Beech, M., S. Wakefield and C. Pouyat (eds.) (in press). *The Role of Museums in Arabia*. Special Session at the Seminar for Arabian Studies 2012, due to be published as a Supplement of the Proceedings of the Seminar for Arabian Studies.

Mashkour, M. and M. Beech (eds.) (in press). *9<sup>th</sup> Meeting of the Archaeozoology of South-West Asia and Adjacent Areas*. Publication of the 9<sup>th</sup> Meeting of ASWA to honour the contribution of Hans-Peter Uerpmann and Francois Poplin to the Archaeozoology of Southwest Asia. 2 volumes, containing a total of 32 chapters. Archaeopress, Oxford.

Mashkour, M. and M. Beech (eds.). 2014. *Ancient Camelids in the Old World – Between Arabia and Europe*. Proceedings of a special session on Camelids in the Old World, held at the 11<sup>th</sup> International Council of Archaeozoology (ICAZ) 2010 conference (23-28 August 2010). *Anthropozoologica* 49 (2): 157-330. Publications Scientifiques du Museum, Paris.

Beech, M. 2012. Three chapters: Chapter V.14a - The Mammal Bones (pp.449-478); Chapter V.14b - The Fish Bones (with Clair Prance, pp.479-502); Chapter V.14c - The Bird Bones (with Kevin Rielly, pp.503-509). In: Konstantinos D. Politis (ed.), *Sanctuary of Lot at Deir 'Ain 'Abata*. ISBN 978-9957-557-04-1. Jordan National Library Deposit No: 2012/5/1922.

Beech, M., F. Bibi, P. Sheehan, W.Y. Al-Tikriti and E. Yildirim. 2009. *Cultural Heritage Resources in Abu Dhabi Emirate*. Abu Dhabi Global Environmental Data Initiative (AGEDI) & Environment Agency - Abu Dhabi (EAD). 94 pages.

Albarella, A., M. Beech, J. Curl, A. Locker, M. Moreno-Garcia and J. Mulville. 2009. *Norwich Castle: Excavations and Historical Survey 1987-98. Part III A Zooarchaeological Study*. 188 pages, 145 illustrations (East Anglian Archaeology Occasional Paper 22. ISBN-13: 978-0-905594-50-7. ISBN-10: 0-905594-50-9.

Beech, M., P. Hellyer, A. Gardner, B. Holmes and W.Y. Al-Tikriti. 2007. *Palaeontological and Archaeological Resources in Abu Dhabi Emirate*. Abu Dhabi Global Environmental Data Initiative (AGEDI) & Environment Agency - Abu Dhabi (EAD). 57 pages.

Beech, M. & P. Hellyer (eds.) 2005. *Abu Dhabi 8 Million Years Ago - Late Miocene Fossils from the Western Region*. Abu Dhabi Islands Archaeological Survey (ADIAS): Dar Al Fajr Printing Press, Abu Dhabi, UAE. 68 pages; 73 figures, maps, plans, drawings, photographs. ISBN 9948-03-188-1.

Beech, M.J. 2004. *In the Land of the Ichthyophagi: Modelling fish exploitation in the Arabian Gulf and Gulf of Oman from the 5th millennium BC to the Late Islamic period*. Abu Dhabi Islands Archaeological Survey Monograph 1 - British Archaeological Reports International Series S1217. ArchaeoPress, Oxford. ISBN 1841715778. xxi + 293 pages; 126 figures, maps, plans, drawings, photographs; 232 tables; 8 Appendices of data, remains and sites.

Albarella, U., M. Beech, and J. Mulville. 1996. *The Saxon, Medieval and Post-Medieval Mammal and Bird Bones excavated 1989-1991 from Castle Mall, Norwich, Norfolk*. Ancient Monuments Laboratory Report 72/97. 74 pages text, 41 tables, 50 figures, 47 plates, 2 appendices. (soon to be published by English Heritage in the East Anglia Archaeology Monograph Series)

Dreslerova, D. and M. Beech. 1995. *A Late Hallstatt settlement in Bohemia - Excavations at Jenstejn, 1984*. Institute of Archaeology, Prague. 140 pages.

Dennell, R. and M. Beech. 1990. *New Discoveries of Earliest Pakistan*. Cresswell Heritage Trust, Whaley Thorns, Nottinghamshire. 19 pages.

## REFEREED ARTICLES

- Beech, M.J., K. Strutt, L. Blue, A.K. Al-Kaabi, W.A. Omar, A.A. Al-Haj El-Faki, A.R. Lingareddy, and J. Martin. 2016. 'Ubaid-related sites of the southern Gulf revisited: the Abu Dhabi Coastal Heritage Initiative. *Proceedings of the Seminar for Arabian Studies* 46: 9-24.
- Mashkour, M., M.J. Beech, K. Debue, L. Yeomans, S. Bernard, D. Gasparini, and S. Mery. 2016. Middle to Late Neolithic animal exploitation at UAQ2 (5500-4000 cal BC): an 'Ubaid-related coastal site at Umm al-Quwain Emirate, United Arab Emirates. *Proceedings of the Seminar for Arabian Studies* 46: 195-210.
- Gilbert, C.C., F. Bibi, A. Hill, and M.J. Beech. 2014. Early guenon from the late Miocene Baynunah Formation, Abu Dhabi, with implications for cercopithecoid biogeography and evolution. *Proceedings of the National Academy of Sciences of the United States of America*. doi: [10.1073/pnas.1323888111](https://doi.org/10.1073/pnas.1323888111)
- Beech, M. 2013. In The Land of The Ichthyophagi - Prehistoric Occupation of the Coast and Islands of the Southern Arabian Gulf: A Regional Review. *Adumatu* 27: 31-48.
- Blue., L., K. Strutt, P. Sheehan, P. Jackson and M. Beech. 2013. Developing an integrated policy for the maritime and coastal heritage of the UAE: a collaborative approach. *Proceedings of the Seminar for Arabian Studies* 43: 63-76.
- Bibi, F., Kraatz, B., Craig, N., Beech, M., Schuster, M., and Hill, A. 2012. Early evidence for complex social structure in Proboscidea from a late Miocene trackway site in the United Arab Emirates. *Biology Letters* [rsbl.2011.1185v1-rsbl20111185](https://doi.org/10.1098/rsbl.2011.1185v1).
- Stewart, J.R., Aspinall, S., Beech, M., Fenberg, P., Hellyer, P., Larkin, N., Lokier, S.W., Marx, F.G., Meyer, M., Miller, R., Rainbow, P.S., Taylor, J.D., Whittaker, J.E., Al-Mehsin, K. and Strohmenger, C.J. 2011. Biotically constrained palaeoenvironmental conditions of a mid-Holocene intertidal lagoon on the southern shore of the Arabian Gulf: evidence associated with a whale skeleton at Musaffah, Abu Dhabi, UAE. *Quaternary Science Reviews* 30 (25-26): 3675-3690.
- Chen, W., M. Al-Husaini, M. Beech, K. Al-Enezi and S. Rajab. 2011. Discriminant analysis as a tool to identify catfish (Ariidae) species of the excavated archaeological otoliths. *Environmental Biology of Fishes* 90 (3): 287-299.
- Beech, M.J. 2010. Mermaids of the Arabian Gulf: Archaeological Evidence for the Exploitation of Dugongs from Prehistory to the Present. *Liwa (Journal of the National Center for Documentation and Research)* 2 (3): 3-18.
- Beech M, M. Mashkour, M. Huels and A. Zazzo. 2009. Prehistoric camels in south-eastern Arabia: the discovery of a new site in Abu Dhabi's Western Region, United Arab Emirates. *Proceedings of the Seminar for Arabian Studies* 39: 17-30.
- Wahida, G., W. Yasin Al-Tikriti and M. Beech. 2008. Barakah: a Middle Palaeolithic site in Abu Dhabi emirate. *Proceedings of the Seminar for Arabian Studies* 38: 55-64
- Méry, S., V. Charpentier and M. Beech. 2008. First evidence of shell fish-hook technology in the Gulf. *Arabian Archaeology and Epigraphy* 19 (1): 15-21.
- Cuttler, R., M. Beech, H. Kallweit, A. Zander and W.Y. Al-Tikriti. 2007. Pastoral nomadic communities of the Holocene climatic optimum: excavation and research at Kharimat Khor al Manahil and Khor Al Manahil in the Rub al-Khali, Abu Dhabi. *Proceedings of the Seminar for Arabian Studies* 37: 61-78.
- Stewart, J.R. and M. Beech. 2006. The Miocene birds of Abu Dhabi (United Arab Emirates) with a discussion of the age of modern species and genera. *Historical Biology: A Journal of Paleobiology* 18(2): 103-113.
- Beech M., R. Cuttler, D. Moscrop, H. Kallweit & J. Martin. 2005. New evidence for the Neolithic settlement of Marawah Island, Abu Dhabi, United Arab Emirates. *Proceedings of the Seminar for Arabian Studies* 35: 37-56.
- Beech, M. and E. Glover. 2005. The environment and economy of an Ubaid-related settlement on Dalma island, United Arab Emirates. *Paléorient* 31/1: 97-107.



- Dennell, R.W., R. Coard, M. Beech, M. Anwar and A. Turner. 2005. Locality 642, An Upper Siwalik (Pinjor Stage) Fossil Accumulation in the Pabbi Hills, Pakistan. *Journal of the Palaeontological Society of India* 50(1): 83-92.
- Dennell, R.W., A. Turner, R. Coard, M. Beech and M. Anwar. 2005. Two Upper Siwalik (Pinjor Stage) fossil accumulations from localities 73 and 362, in the Pabbi Hills, Pakistan. *Journal of the Palaeontological Society of India* 50(2): 101-111.
- Kallweit H., M. Beech & W.Y. Al-Tikriti. 2005. Kharimat Khor al-Manahil and Khor Al Manahil — New Neolithic sites in the south-eastern desert of the UAE. *Proceedings of the Seminar for Arabian Studies* 35: 97-113.
- Beech, M., H. Kallweit and P. Hellyer. 2004. New archaeological investigations at Abu Dhabi Airport, United Arab Emirates. *Proceedings of the Seminar for Arabian Studies* 34: 1-15.
- Beech, M. and N. Al Shaiba. 2004. Intertidal Archaeology on Marawah Island: New Evidence for Ancient Boat Mooring Sites. *Tribulus (Journal of the Emirates Natural History Group)* 14.2: 8-16.
- Beech, M. 2003. The diet of Osprey *Pandion haliaetus* on Marawah island, Abu Dhabi emirate, UAE. *Tribulus (Journal of the Emirates Natural History Group)* 13.1: 22-25.
- Beech, M. 2003. The development of fishing in the United Arab Emirates: a zooarchaeological perspective. In: D.T. Potts, H. Naboodah and P. Hellyer (eds.), *Archaeology of the United Arab Emirates: Proceedings of the First International Conference on the Archaeology of the UAE*. Trident Press Ltd., London. pp.289-308.
- Beech, M. 2002. Fishing in the 'Ubad: a Review of Fish-bone Assemblages from Early Prehistoric Coastal Settlements in the Arabian Gulf. *Journal of Oman Studies* 12: 25-40.
- Hogarth, P. and M. Beech. 2002. A first modern record of the Mangrove Crab *Scylla serrata* in the U.A.E. and south-eastern Arabian Gulf. *Tribulus (Journal of the Emirates Natural History Group)* 11.2: 30.
- Beech, M. and E. Shepherd. 2001. Archaeobotanical evidence for early date consumption on Dalma Island, United Arab Emirates. *Antiquity* 75: 83-9.
- Beech, M., J. Elders and E. Shepherd. 2000. Reconsidering the 'Ubad of the Southern Gulf: new results from excavations on Dalma Island, U.A.E. *Proceedings of the Seminar for Arabian Studies* 30: 41-47.
- Beech, M. 1999. Srbec: The Animal Bones. *Památky archeologické* 90: 57-63.
- Blau, S. and M. Beech. 1999. One woman and her dog: An Umm an-Nar example from the United Arab Emirates. *Arabian Archaeology and Epigraphy* 10: 34-42.
- Beech, M. 1998. Comments on two vertebrate samples from early Islamic Jazirat al-Hulaylah (5th-9th c. AD) and Islamic Julfar (mid-14th - 16th c. AD), United Arab Emirates. *Bulletin of Archaeology, University of Kanazawa* 24: 197-203.
- Beech, M. 1997. The Economy and Environment of a Roman, late-Roman and early Byzantine town in north-central Bulgaria: The mammalian fauna from Nicopolis-ad-Istrum. In: M. Kokabi and J. Wahl (eds.), *Proceedings of the 7th International Conference for Archaeozoology, ICAZ, Constance, September 1994. Anthropozoologica* 25-26 (1997): 619-630.
- Beech, M. and A. Pipe. 1997. The Animal Bones. In: D. Kennet, Kush: a Sasanian and Islamic-period archaeological tell in Ras al-Khaimah (U.A.E.). *Arabian Archaeology and Epigraphy* 8: 284-302 (pp.297-298).
- Beech, M. 1993. Post-Processual Archaeology: "The Good, the Bad and the Ugly": Some comments by an archaeozoologist working in the Czech Republic. *Archeologické rozhledy* 45.3: 375-380.
- Dennell, R.W., L.M. Hurcombe, R. Coard, M. Beech, and S. ul-Haq. 1992. The 1990 field season of the British Archaeological Mission to Pakistan in the Baroth area of the Pabbi Hills, Northern Pakistan. In: *South Asian Archaeology, 1991. Monographs in World Archaeology* 14: 1-14.
- Beech, M. 1986. The Animal Bones. In: R. Holgate, Excavations at Lordington, Stoughton, West Sussex. *Sussex Archaeological Collections* 124, 244-251 (pp.249-251).

Beech, M. 1986. Agricultural economy and environment - The Animal Bones. In: R. Holgate, Excavations at the Late Prehistoric and Roman-British enclosure complex at Carne's Seat, Goodwood, West Sussex, 1984. *Sussex Archaeological Collections* 124, 35-50 (pp.45-47).

## BOOK CHAPTERS

Alsharekh, A.M., Bailey, G.N., Momber, G., Moran, L.J., Sinclair, A., Williams, M.G.W., Al Shaikh N., Al Ma'Mary, A., Alghamdi, S., Al Zahrani, A., Aqeeli, A., Laurie, E.M. and Beech, M. 2014. Report on the 2008 fieldwork of the joint Saudi-UK Southern Red Sea Project. pp. 77–158. In: A.M. Alsharekh and G.N. Bailey (eds) *Coastal Prehistory in Southwest Arabia and the Farasan Islands 2004–2009 Field Investigations*, Riyadh: Saudi Commission for Tourism and Antiquities. Series of Archaeological Refereed Studies No 15. King Abdullah Project for Cultural Heritage Care.

Bibi, F., A. Hill, M. Beech and W. Yasin. 2013. Late Miocene Fossils from the Baynunah Formation, United Arab Emirates: Summary of a Decade of Work. Chapter 27, Pages 583-594, in: X. Wang, L.J. Flynn and M. Fortelius (eds.), *Fossil Mammals of Asia: Neogene Biostratigraphy and Chronology*. Columbia University Press, New York.

Beech, M. 2011. Mark Beech is Primary Author/Contributor to the following chapters: 'Geographic Inheritance' - Contributor (pp.22-35), & 'Human Journey' - Primary Author (pp.80-91). Abu Dhabi Cartography (Primary Author): 'Historic Sea Levels' (pp.124-125), 'Palaeontological, Archaeological and Historical Areas - Site Density' (pp.176-177), 'Archaeological Periods - Earliest Humans' (pp.178-179), 'Historic Buildings - Architecture of the Past' (pp.180-181), 'Late Miocene Fossil Sites - Ancient Fossils' (pp.182-183). *Environmental Atlas of Abu Dhabi*. Environment Agency - Abu Dhabi & Motivate Publishing, Dubai. ISBN 978 1 86063 316 4 (English version) - ISBN 978 1 86063 317 1 (Arabic version).

Beech, M. 2010. Chapter 7: The Animal and Fish Bones. Pages 129-156, in: R. Carter and H. Crawford (eds.), *Maritime Interactions in the Arabian Neolithic - The Evidence from H3, As-Sabiyah, an Ubaid-related site in Kuwait*. American School of Prehistoric Research Monograph Series, 8. Hardback. Number of pages: xxiv, 384 pp. ISBN-13: 978 90 04 16359 1. ISBN-10: 90 04 16359 X.

Wahida, G., W. Yasin Al-Tikriti, M. Beech and A. Al Meqbali. 2009. A Middle Palaeolithic assemblage from Jabel Barakah, Coastal Abu Dhabi emirate. Pages 117-124 in: M.D. Petraglia and J.I. Rose (eds.), *The Evolution of Human Populations in Arabia: Paleoenvironments, Prehistory and Genetics* (Vertebrate Paleobiology and Paleoanthropology Series). Springer: Heidelberg, London, New York.

Beech, M. 2009. Archaeology of the Late Pre-Islamic to Early Islamic Period with a particular focus on recent discoveries on Sir Bani Yas Island, Abu Dhabi Emirate. Pages 99-112 (english version); Pages 105-118 (arabic version). In: *New Perspectives on Recording UAE History*. Proceedings of the International History Conference, New Perspectives on Recording UAE History, National Center for Documentation and Research 40th Anniversary Conference (23-25 November 2008). National Center for Documentation and Research, Abu Dhabi, UAE. ISBN 978-9948-05-071-1.

Wahida, G., W.Y. al-Tikriti, M. Beech and A. al-Meqbali. 2009. Middle Palaeolithic Assemblage in Abu Dhabi Emirate: The view from Jebel Barakah. Pages 23-36 (english version); Pages 23-37 (arabic version). In: *New Perspectives on Recording UAE History*. Proceedings of the International History Conference, New Perspectives on Recording UAE History, National Center for Documentation and Research 40th Anniversary Conference (23-25 November 2008). National Center for Documentation and Research, Abu Dhabi, UAE. ISBN 978-9948-05-071-1.

Albarella, U., M. Beech, J. Mulville and J. Huddle. 2009. Chapter 3.III. The Anglo-Saxon Period (5th century to c. 1067-70) - Antler- and Hornworking. Page 175. Albarella, U., M. Beech and J. Mulville. 2009. Chapter 4.IV. The Anglo-Saxon Period (5th century to c. 1067-70) - Zoological and Botanical Evidence - Mammal and Bird Bone. Pages 180-185. Huddle, J., with U. Albarella, M. Beech & J. Mulville. 2009. Chapter 5.III. Norman Conquest (c.1067-70 to 1094/early 12th century) - Bone- and Hornworking. Pages 347-8.

Albarella, U., M. Beech and J. Mulville. 2009. Chapter 5.IV. Norman Conquest (c.1067-70 to 1094/early 12th century) - Zoological and Botanical Evidence - Mammal and Bird Bone. Pages 350-353. Albarella, U., M. Beech and J. Mulville. 2009. Chapter 6.IV. Norman Castle and City (c.1094 to 12th century) - Zoological, Botanical and Micromorphological Evidence - Mammal and Bird Bone. Page 443.

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Norfolk Museums and Archaeology Service.

Albarella, U., M. Beech, J. Mulville and J. Huddle. 2009. Chapter 8.III. Castle Decline and City Encroachment (c.1345 to mid/late 16th century) - Hornworking. Pages 632-3.

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