

**EurASEAA14**

**Volume II**

**Material Culture and Heritage**

**Papers from the Fourteenth International  
Conference of the European Association of  
Southeast Asian Archaeologists**

**Edited by**

**Helen Lewis**

**Access Archaeology**





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## Dedication

This volume is dedicated to five EurASEAA colleagues.

**Mike Morwood**, who passed away in 2013, had been planning to come to EurASEAA14 to give a public lecture but had to cancel because of illness. He would have given the major lecture from the conference related to the Dublin European City of Science Year, talking about – what else? – the spectacular finding of *Homo floresiensis*, for which he and his colleagues were world famous. An obituary for Prof Morwood written by Iain Davidson, a colleague at the University of New England, can be found at: <<http://www.humanities.org.au/wp-content/uploads/2017/04/AAH-Obit-Morwood-2013.pdf>>.

**Wilhelm Solheim II** passed away in 2014. Prof Solheim is best known for his work on trade and exchange in later prehistoric island and mainland Southeast Asia, such as the Nusantao Trade and Exchange Network. He was also one of the founders of institutions in Southeast Asian archaeology, such as the IPPA Congress and the Asian Perspectives journal. After retiring from an academic career at the University of Hawai'i, in his later years he was based at the University of Philippines, where he encouraged younger scholars and continued to participate in fieldwork until the last few years of his life, including research at Ille Cave, which built on some of his previous research. We were very honored to have him with the team. An obituary for Prof Solheim by Miriam Stark can be found at <<http://antiquity.ac.uk/tributes/solheim.html>>.

**Kuang-jen (KJ) Chang** was a Taiwanese archaeologist researching Philippine prehistory at the Institute of Archaeology, University College London. His doctoral thesis from 2008, supervised by Stephen Shennan and Elizabeth Bacus, was entitled 'Social use and value of trade ceramics: an analysis of mortuary practices in Calatagan, southwest Luzon, the Philippines'. Dr Chang was a very enthusiastic proponent of Southeast Asian archaeology research in Europe, and was a member of the EurASEAA14 Organizing Committee, involved in all stages of conference organization. He attended the Dublin conference in 2012, but within a year had returned to Taiwan to undergo medical treatment. He was involved with some aspects of the onset of the production of these volumes before he became too ill. The joy and energy he brought to discussions about Southeast Asian archaeology will never be forgotten.

**Janice Stargardt** was a fellow in Sidney Sussex College, University of Cambridge, and a professorial research fellow in Asian archaeology and geography. Prof Stargardt was always enthusiastic and encouraging about all archaeological research everywhere in Asia. Her own specialty was Pyu archaeology, including fieldwork at Sri Ksetra, but she was a font of knowledge for students and researchers working anywhere in the region. She was a very welcoming and friendly character, fondly remembered for her teaching and mentoring in addition to her research. Notes of remembrance can be seen at <<https://www.southeastasianarchaeology.com/2020/01/15/obituary-prof-janice-stargardt/>>.

**Jeffrey Abdullah** co-authored a paper in this volume on Paleolithic Bukit Bunuh. Before he passed away in 2018, he was a lecturer and researcher at the Centre for Global Archaeological Research, Universiti Sains Malaysia. Previously he was a curator at the Archaeology Department, Sabah Museum. Coming originally from an earth sciences background, his expertise was in the fields of geoarchaeology, archaeo-quaternary studies, Paleolithic culture, and lithic technology. His main research focus was on Sabah, e.g. Balambangan Cave, the Mansuli and Keningau Valleys, and the megaliths of Sabah. He collaborated on projects in the Bujang and Lenggong Valleys, and with the National Heritage Department, Ministry of Communications and Multimedia, and Sabah Museum (information from Nor Khairunnisa Talib, 2020).

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# Editorial introduction to EurASEAA14 Volumes 1 and 2

Helen Lewis

The Fourteenth International Conference of the European Association of Southeast Asian Archaeologists (EurASEAA14) was held in Dublin from September 18-21, 2012, hosted by University College Dublin School of Archaeology. The conference took place at Dublin Castle Conference Centre and the Chester Beatty Library, in the heart of the capital, bringing together archaeologists, art historians, ethnographers and philologists who share a common interest in the past of Southeast Asia. The aim of EurASEAA is to facilitate communication between different disciplines, to present current work in the field, and to stimulate future research. This international initiative aims to foster international scholarly cooperation in the field of Southeast Asian archaeology, art history and philology.

These volumes are rather late in publishing articles based on talks given at the 2012 conference. The articles have been updated to 2019 by the authors; several others based on the proceedings have been published elsewhere in the interim. Some of the articles in this volume have been individually refereed by anonymous reviewers, while others have not. Where a chapter has been refereed a note is made to this effect in the acknowledgements.

I am especially grateful to Michael Ryan, Jimmy Deenihan, Colin Toomey and to the late Paedar Caffrey, who arranged the donation of Dublin Castle Conference Centre and the Chester Beatty Library lecture theatre for the EurASEAA14 conference. Fionnuala Croke and Lisa Fitzsimons at the Chester Beatty Library, and Úna Kearney, Denis McCarthy and Darren Lennox at Dublin Castle enabled, informed and assisted us in many ways to make the conference possible, professional and enjoyable, in the best venue in Dublin. The donation of the conference center was the main factor that made it possible for the UCD School of Archaeology to decide to proceed with our EurASEAA14 bid.

EurASEAA strives to find funds for inviting Southeast Asian colleagues to participate in its conferences in Europe, and for EurASEAA14 we were grateful to receive a Wenner Gren Conference Grant to help meet this specific aim. This grant enabled twenty-five scholars who would otherwise not have been able to attend to come to Dublin from Southeast and South Asia, by meeting part-costs for each of them. In addition, the conference was able to waive fees for these scholars, on the basis of earmarking contributing funds coming from conference fees. We were also able to offer day rates and student discounts, which enabled many more people from Ireland and the EU to attend at least part of the conference. Additional financial assistance was provided by the Irish Research Council, which helped to support the excellent conference assistance work of Kim Rice for several months, and through assistance from the UCD College of Arts and Celtic Studies for digital recording. The UCD Finance Office and Research Office provided enormous assistance, and the College of Arts and Celtic Studies provided management of funds and significant advice regarding online payments, accounting, and bank arrangements, and I am particularly grateful to Niall McLernon for his help in these matters. The School of Archaeology administered day-to-day payments and accounts, and established and ran the EurASEAA14 website, which was designed by Phoebe France, with later additions and modifications by Robert Sands. I am extremely grateful for the support and help of all my colleagues in the School, and particularly to Angela McAteer, Conor McDermott, Rob Sands, Tadhg O'Keeffe, Muiris O'Sullivan and Gabriel Cooney for their ideas, their know-how, and their time.

EurASEAA held its first conference in London in 1986, and the biannual conference has since moved around various European cities. There have been EurASEAA conferences in Belgium (Brussels 1990), France (Paris 1988 and 1994, Bougon 2006, Nanterres 2015), Germany (Berlin 1998 and 2010), Ireland (2012), Italy (Rome 1992, Sarteano 2000), Poland (Poznań 2017), Sweden (Sigtuna 2002), The Netherlands (Leiden 1996 and 2008), and the United Kingdom (London 1986 and 2004). All the conferences are run by locally-organized committees, but with substantial assistance and advice from the EurASEAA Executive Committee. For EurASEAA14 a conference academic committee was established to make decisions about panel, paper and poster proposals, and I would like to formally thank my colleagues who served on this committee: the late KJ Chang (then at University College London), Peter Lape (University of Washington), Victor Paz (University of the Philippines), Alan Peatfield (University College Dublin), and T. Oliver Pryce (then at University College London). In addition, Valérie Zaleski and Arlo Griffiths helped with the epigraphy papers. I am also very grateful to the Executive Committee from 2010-2019 for choosing UCD and Dublin in 2012, and for their continued help over the conference and publication period, especially Lis Bacus, Alex Green, John Guy, Pierre-Yves Manguin, Mai Lin Tjoa-Bonatz, Marijke Klokke, Bérénice Bellina and Oli Pryce. I am also grateful for discussions with Vince Pigott, Roger Blench, and the late Ian Glover.

For EurASEAA14 we invited papers and panels on any topic or theme related to Southeast Asian archaeology, including papers on South Asia and East Asia, which are important for issues of long-distant contact and regional modelling. As 2012 was also the year that Dublin was European City of Science, we proposed one special theme on ‘Science, Archaeology and Heritage in Southeast Asia’, which stimulated the submission of themed panels on archaeobotany, geoarchaeology and human bioarchaeology, as well as several papers specifically related to science topics in other panels.

Proposed panels ranged widely in topic, covering many themes in Southeast Asian regional archaeology. In addition, at the fourteenth international meeting we included a more formally-structured set of panels on epigraphy and manuscripts, the former through an initiative from within the Southeast Asian epigraphy community, and the latter primarily through the links of one of the conference’s host institutions: the Chester Beatty Library, which is home to a world-class collection of manuscripts, notably studied by the late Henry Ginsburg of the British Library. There was also a special focus at EurASEAA14 on Southeast Asian ceramics, building on momentum from an international workshop hosted by the University of Pennsylvania Museum and Smithsonian Institution in late 2010, and two panels on Khmer archaeology, including one specializing in Khmer stone materials which was funded by the Edward W. Forbes Fund, Freer Gallery of Art, Smithsonian Institution. I am very grateful to Janet Douglas and Stacy Bowe at the Smithsonian Institution for organizing the latter and dealing with the funding issues involved from the US end. Additional sub-regional panels related mainly to certain important ‘peripheries’, ‘crossroads’ or ‘boundaries’ of Southeast Asia – Taiwan, Myanmar and northeast India – which brought a focus on these areas of interaction, continuing some of the themes of the EurASEAA13 conference in Berlin related to crossing borders and connections (Tjoa-Bonatz *et al.* 2012a-b). I am very grateful to all of the panel proposers and organisers for their efforts and expertise. The papers presented in this two volume set represent most of the conference panels.

I am also very grateful to the key-note speakers at EurASEAA14 – Joyce White and the late Claude Jacques – who spoke about the future and past of Southeast Asian archaeology and historical research. In addition, we had three special public lectures hosted by the Chester Beatty Library as part of the Dublin City of Science festival, by Charles Higham, John Miksic and Hiram Woodward. Charles Higham’s lecture was supported by a book launch event hosted by River Books. Finally, we held a special public seminar hosted by UCD School of Archaeology, given by Matthew Spriggs. All these events were extremely well-attended and well-received, and were aimed at promoting Southeast Asian archaeology and historical studies to the public and scholarly communities in Ireland. I am very grateful to all the special lecturers

involved in these events, which truly enriched the conference and inspired in so many ways, and to Gabriel Cooney and Alan Peatfield for hosting the Chester Beatty archaeology lectures.

The following individuals helped to promote the conference, and donated their time and expertise to organizing the website, social events and conference discounts, fundraising and outreach to the local community in Dublin and Ireland: Kim Rice, Patrizia La Piscopia, Margaret Williams, David McGahan, Hjayceelyn Quintana, Martin Murray, Piet Patricio, Chris Flynn, Edy Muttaqin, Denis O'Reilly, Elaine Hickey, Susan Delahunty, Aibhe Roche, Steve McPhilemy, Anne-Marie Diffley, Sheila Dooley, Jim Quinn and Martin Kelly. I would particularly like to thank Terry O'Hagan and Stephen Harrison for donating their time to give conference tours, and Kasper Hanus for his time and help with technology in the Chester Beatty panels. I am also very grateful to all our panel organizers, chairs, and speakers for their participation, for local fund-raising initiatives, and their logistical savvy. Kim Rice, Patrizia La Piscopia and Margaret Williams are stars for being delegated with major tasks, and I am thankful to all our volunteers in Dublin for their help and enthusiasm in all manner of things. And for reading and re-reading (and re-reading) the abstracts for copy-editing, I am very grateful to Yvette Balbaligo, Andrew Cowan and David McGahan, and to Rob Sands for continually updating them online. Rob Sands and Conor McDermott managed the website, promotional materials and the putting together of the abstracts booklet; without their expertise the conference would not have been possible.

Finally, I would like to express my gratitude to all the contributing authors of these volumes, and my apologies to those who contributed but had to withdraw due to the time delay in publication, for which I take full responsibility. I am extremely grateful to the anonymous colleagues who were involved in the lengthy process of refereeing, where this happened. The following individuals assisted in the production of these volumes: Michael J. Allen, David Davison and Ben Heaney at Archaeopress, Jonathan Kress, Peter Lape, Neal Matherne, Muiris O'Sullivan, Victor Paz, Alan Peatfield, Vince Pigott, Denise Riordan, and the late KJ Chang. I apologise if I have inadvertently forgotten anyone: as is obvious, the production of the conference and proceedings was the joint effort of many dedicated individuals.

Publication of these proceedings was funded wholly through EurASEAA14 conference fees, contributed by all paying attendees.

### **Introduction to this volume**

This is one of two volumes comprising papers originally presented at EurASEAA14 in 2012 but updated to late 2019 for publication. This volume focuses substantially on topics under the broad themes of archaeology and heritage, material culture, environmental archaeology, osteoarchaeology, historic and prehistoric archaeology, ethnoarchaeology, and long-distance contact, trade and exchange. Because many of these topics are far outside my own expertise, I have relied heavily on the included authors and, where possible, referees, for advice on spellings and correct presentation of names etc., and I apologize to the authors for any remaining errors on these fronts.