

Workshop: 3D Multi-Image Photogrammetry Course

Venue: Kailis Boardroom, Western Australian Maritime Museum, Level 2

Instructors: Mr Kevin Edwards & Dr Koutarou Yamafune

26 November	Part 1: An introduction to low-cost 3D multi-image photogrammetry – basics concepts and applications
27 November	Part 2: An introduction to low-cost 3D multi-image photogrammetry – intermediate/advanced concepts and applications

Social events

28 November	<p>Opening Night Welcome Reception</p> <p>Venue: Western Australian Maritime Museum, Functions Centre (Level 2) Free only for registered delegates who have pre-booked (for catering purposes) Drinks and canapés served Entertainment by: John Bannister & the Charisma Brothers Sponsored by Silentworld Foundation, Sydney</p>
29 November	<p>Information Networking Evening</p> <p>Venue: Western Australian Museum Entry by invite only based on time of registration (due to space restrictions) Sponsored by: The Netherlands Embassy, Canberra</p>
1 December	<p>Conference Social Dinner</p> <p>Venue: Fremantle Sailing Club (151 Marine Terrace, Fremantle WA 6160) For those who pre-booked Three-course dinner served Arrive early and watch the sunset over the Indian Ocean from the balcony!</p>

Conference tours

25 November	<p>Abrolhos Islands Shipwrecks Special Tour (Full Day)</p> <p>A very special, and rare, day trip that involves flying from Perth to Geraldton, then over the Abrolhos Islands to see the <i>Batavia</i> (1629) and <i>Zeewijk</i> (1727) Dutch VOC shipwrecks sites; it also includes time for snorkelling, morning tea and lunch. It is a unique opportunity to view the beautiful Houtman Abrolhos, which lie about 60 km west of Geraldton city, on the mid west Australian coast. The Abrolhos consists of 122 islands and associated coral reefs, clustered into three main groups: Wallabi, Easter and Pelsaert Groups. These extend from north to south across 100 km of ocean, and the islands lie in the stream of Western Australia's warm, southward-flowing Leeuwin Current. The marine environment surrounding the Abrolhos is a meeting place for tropical and temperate sea life, and it is also one of the world's most important seabird breeding areas.</p>
30 November	<p>Fremantle Prison Torchlight Tour (Evening)</p> <p>This is a fascinating, peculiar and somewhat eerie evening tour through the old Fremantle Prison—Western Australia's only World Heritage Listed building.</p>
2 December	<p>Swan Valley Wine Tour (Day Trip)</p> <p>This tour includes wine, cheese and beer tastings; historical background information about the Swan Valley – one of the oldest wine regions in Western Australia, and Australia(!) – as well as lunch and live music entertainment.</p>
2 December	<p>Rottnest Island Dive / Snorkel Trip to Shipwreck Sites (Day Trip)</p> <p>This trip involves a boat ride from Fremantle to selected shipwreck sites (weather dependent) around Rottnest Island, a barbecue lunch on board, then returning to Fremantle in the afternoon. Rottnest Island is 19 km west of the mainland.</p>

Overview of sessions

		WA Maritime Museum Theatre	WA Maritime Museum Functions Centre	Fremantle Port Authority B-Shed
Day 1: Monday 28 November	11:00 am – 1:30 pm	UNESCO roundtable		
	6:00 pm – 9:00 pm		Welcome Reception & Official Launch (Pre-booked)	
Day 2: Tuesday 29 November	9:00 am – 10:45 am	Three-dimensional digitization techniques and technologies in maritime archaeology (Part 1)	Effective and sustained monitoring of archaeological localities in fresh waters, and <i>in-situ</i> preservation and conservation of underwater cultural heritage	Maritime archaeology, capacity building and training in the developing world (Part 1)
	10:45 am – 11:15 am	Morning break		
	11:15 am – 12:45 pm	Three-dimensional digitization techniques and technologies in maritime archaeology (Part 2)	Naval warfare	Maritime archaeology, capacity building and training in the developing world (Part 2)
	12:45 pm – 1:45 pm	Lunch		
	1:45 pm – 3:00 pm	Floating forests / submerged forests: an environmental history of trees (Part 1)	Scientific techniques, use of digital platforms, and application of new technology in maritime archaeology (Part 1)	Poster presentations (Part 1)
	3:00 pm – 3:30 pm	Afternoon break		
	3:30 pm – 4:30 pm	Floating forests / submerged forests: an environmental history of trees (Part 2)	Scientific techniques, use of digital platforms, and application of new technology in maritime archaeology (Part 2)	Poster presentations (Part 2)
From: 7:00 pm	Informal Networking Evening (Limited Numbers)			
Day 3: Wednesday 30 November	9:00 am – 10:30 am	Boats in context and the study of early watercraft (Part 1)	Maritime archaeological sites and legacy data, revisiting old shipwrecks with new technologies (Par 1)	The geoarchaeology of harbours: current research and future directions (Part 1)
	10:30 am – 11:00 am	Morning break		
	11:00 am – 12:15 pm	Boats in context and the study of early watercraft (Part 2)	Maritime archaeological sites and legacy data, revisiting old shipwrecks with new technologies (Par 2)	The geoarchaeology of harbours: current research and future directions (Part 2)
	12:20 pm – 1:30 pm	Lunch (& conference group photo, Functions Centre balcony)		
	1:30 pm – 3:15 pm	Boats, trade and exploration	Current and future prospects of underwater cultural heritage studies and management in East Asia	The final frontier: underwater archaeology, new technology development and the deep shipwreck resource
	3:15 pm – 3:45 pm	Afternoon break		
	3:45 pm – 5:45 pm	Presenting maritime and underwater archaeology in museums in the 21st century	Tying the knot: western and eastern trade ships in the Pacific and Indian Oceans	Poster presentations (Part 3)
From: 7:30pm	Fremantle Prison Tour (Pre-booked)			
Day 4: Thursday 1 December	9:00 am – 10:30 am	The social archaeology of ports, harbours and watery places (Part 1)	Site management (Part 1)	The archaeology of submerged paleolandscapes: a global perspective (Part 1)
	10:30 am – 11:00 am	Morning break		
	11:00 am – 12:15 pm	The social archaeology of ports, harbours and watery places (Part 2)	Site management (Part 2)	The archaeology of submerged paleolandscapes: a global perspective (Part 2)
	12:15 pm – 1:15 pm	Lunch		
	1:15 pm – 3:00 pm	Cultural landscapes and seascapes	French scientific and exploration voyages in the Southern Hemisphere: the making of a shared cultural heritage	Last chance to view posters All posters to be removed by 2:30 pm
	3:00 – 3:30 pm	Afternoon break		
	3:30 pm – 4:15 pm	Closing plenary by IKUWA		
From 6:00 pm	Social dinner, Fremantle Sailing Club (Pre-booked)			

DAY 1 (MORNING)
MONDAY: 28 NOVEMBER 2016

IKUWA6 registrations open: 10:00 am – 2:00 pm & 5:00 pm – 8:00 pm

UNESCO roundtable

Chairs: Dr Ulrike Guerin, UNESCO 2001 Convention (UNESCO Paris) & Dr Hanz Guenter Martin (Chair Steering Committee, KUWA, Germany)

Western Australian Maritime Museum, NWS Theatre

11:00 am – 1:30 pm

1. OPENING

Mr Andrew Viduka (Department of the Environment and Energy, Australia): Australia's consideration of ratification of the UNESCO 2001 Convention on the Protection of the Underwater Cultural Heritage, and current status.

2. REGIONAL OVERVIEW ON ISSUES CONCERNING UNDERWATER CULTURAL HERITAGE

(7 min per intervention, maximum of 4 ppt slides)

Europe:

Dr Martijn Manders (Cultural Heritage Agency of The Netherlands, The Netherlands): New chances for the development of underwater archaeology in Europe.

Mr Nicholas Ball (National Maritime Museum, United Kingdom): What to do when commercial exploitation and archaeology are put in competition? The concrete HMS *Victory* case and the general problem.

North America:

Dr Filipe Castro (Texas A&M University, USA): How to bring underwater cultural heritage to the same degree of acknowledgement as land heritage?

Latin America:

Mr Diego Carabias (ARQMAR, Chile): Underwater archaeology in Latin-America – the challenges.

Arab Region:

Mr Ziad M. Morsy (Alexandria University, Egypt): A short overview of the status of underwater archaeology in the Arab region.

Non-Government Organisation:

Dr Chris Underwood (President ICOMOS-ICUCH): Access to underwater cultural heritage – the challenge of the public and the responsibility of underwater archaeologists.

Asia-Pacific:

Dr Jiang Bo (National Centre for Underwater Archaeology, China): What can underwater archaeology give to the Asian region: from the perspective of China.

Ms Nia Naelul Hasanah Ridwan, Indonesian Ministry of Marine Affairs and Fisheries, Indonesia: The current situation in Indonesia.

Dr Ligaya Lacsina (National Museum, Philippines): The Philippines and the challenges for underwater archaeology in the region.

Dr Jennifer Rodrigues (Western Australian Maritime Museum, Australia) & Dr Stephen Murphy (Asian Civilizations Museum, Singapore): The Belitung wreck collection – what is the way forward?

Dr Jun Kimura (Tokai University, Japan): How to build strong scientific underwater archaeology in Asia.

3. ROUNDTABLE DISCUSSION

A recommendation can be adopted

DAY 1 (AFTERNOON & EVENING)
MONDAY: 28 NOVEMBER 2016

Free tour of WA Museum – Shipwreck Galleries (45–47 Cliff Street)
(Please sign up at the IKUWA6 WA Museum table)
2:30 pm – 3:15 pm
(Meet at front desk at 2:25 pm)

Free tour of the WA Maritime Museum (Peter Hughes Drive)
(Please sign up at the IKUWA6 WA Museum table)
2:30 pm – 3:15 pm
(Meet at front desk at 2:25 pm)

Free tour of the WA Maritime Museum (Peter Hughes Drive)
(Please sign up at the IKUWA6 WA Museum table)
4:00 pm – 4:45 pm
(Meet at front desk at 3:55 pm)

Free tour of WA Museum – Shipwreck Galleries (45–47 Cliff Street)
(Please sign up at the IKUWA6 WA Museum table)
4:00 pm – 4:45 pm
(Meet at front desk at 3:55 pm)

Opening welcome reception & official launch of IKUWA6

6:00 pm – 9:00 pm (WA Maritime Museum, Functions Centre, Level 2)

Entertainment by Western Australian performers: John Bannister & the Charisma Brothers

Event sponsored by: Silentworld Foundation

DAY 2 (MORNING)
TUESDAY: 29 NOVEMBER 2016

Registrations: 8:30 am – 4:30 pm

Maritime Museum NWS Theatre 9:00 am – 10:45 am	Maritime Museum Functions Centre (Level 2) 9:00 am – 10:45 am	B Shed (Fremantle Port Authority Venue) 9:00 am – 10:45 am
<p style="text-align: center;">Three-dimensional digitization techniques and technologies in maritime archaeology (Part 1)</p> <p>Session Chairs: Nicolas Bigourdan (Western Australian Museum, Australia) & Kevin Edwards (Tempus Archaeology, Australia)</p> <p><i>Brief welcome & housekeeping</i></p> <p>3DMAPPR: a community-based underwater archaeological photogrammetry program in Perth, Western Australia *Nicolas Bigourdan & Kevin Edwards (*Western Australian Museum, Australia)</p> <p>3D documenting of a pile dwelling Kalle Virtanen (University of Helsinki, Finland)</p> <p>A proposed method to create a local coordinate system for underwater photogrammetric recording Kotaro Yamafune, Daniel Bishop & Carolyn Kennedy (Texas A&M University, USA)</p> <p>Pilot aerial archaeological survey of coastal features in the remote Kimberley area Jorge M. Hacker, Mick O'Leary, Ingrid Ward & Jonathan Benjamin (Airborne Research Australia & Flinders University, Australia)</p> <p>High-resolution digital recording techniques and taphonomic trajectories: multi-imaged photogrammetry applied to a drowned Late Pleistocene site in Central Chile (32°S) Isabel Cartajena, Patricio López, Diego Carabias, Jennifer Pavez, David Letelier, Renato Simonetti & Carla Morales (ARQMAR, Universidad de Chile, Chile)</p>	<p style="text-align: center;">Effective and sustained monitoring of archaeological localities in fresh waters, and <i>in-situ</i> preservation and conservation of underwater cultural heritage</p> <p>Session Chairs: Beat Eberschweiler (Society of Underwater Archaeology & Archaeology Canton of Zurich, Switzerland), Vicki Richards (Western Australian Museum, Australia) & Martijn Manders (Cultural Heritage Agency of the Netherlands)</p> <p><i>Brief welcome & housekeeping</i></p> <p>Can we preserve <i>in situ</i>? Martijn R. Manders (Cultural Heritage Agency of the Netherlands, The Netherlands)</p> <p>Erosion and archaeological heritage – protection in Lake Constance and Lake Zurich (Central Europe) Beat Eberschweiler (Kantonsarchäologie Zürich & Archaeology of Canton Zurich, Switzerland)</p> <p><i>In-situ</i> preservation of the <i>James Matthews</i>: past, present and future *Vicki Richards & Peter Veth (*Western Australian Museum, Australia)</p> <p><i>In-situ</i> preservation and monitoring of a wooden shipwreck found in an intertidal zone, South Korea Mi Young Cha (National Research Institute of Maritime Cultural Heritage, Republic of Korea)</p> <p>Preservation <i>in situ</i> of UCH in estuarine contexts: the relationship between material remains and the environment Mitzy Antonieta Quinto Cortés, Mark Jones & Jonathan Adams (University of Southampton & The Mary Rose Trust, United Kingdom)</p>	<p style="text-align: center;">Maritime archaeology, capacity building and training in the developing world (Part 1)</p> <p>Session Chairs: Lucy Blue (University of Southampton, United Kingdom) & Colin Breen (University of Ulster, United Kingdom)</p> <p><i>Brief welcome & housekeeping</i></p> <p>Capacity building and training in the global south: introductory paper *Lucy Blue & Colin Breen (*University of Southampton, England)</p> <p>After one hundred years, is it still 'nascent'? Emad Khalil & Ziad Morsy (Centre for Maritime Archaeology, Alexandria University, Egypt)</p> <p>Maritime archaeology in Lebanon: state of the art, challenges, and future prospects Lucy Semaan (University of Balamand, Lebanon)</p> <p>Progress in UCH management by Pacific Small Island Developing States (SIDS) Akatsuki Takahashi (UNESCO Office for the Pacific States)</p> <p>Capacity building and the 2001 UNESCO Convention: an Adriatic perspective Robert MacKintosh (University of Southampton, United Kingdom)</p>
Coffee / tea break (Functions Centre, Level 2) 10:45 am – 11:15 am		Coffee / tea break (B Shed) 10:45 am – 11:15 am

Maritime Museum NWS Theatre 11:15 am – 12:45 pm	Maritime Museum Functions Centre (Level 2) 11:15 – 12:45 pm	B Shed (Fremantle Port Authority venue) 11:15 am – 12:45 pm
<p style="text-align: center;">Three-dimensional digitization techniques and technologies in maritime archaeology (Part 2)</p> <p>Research of the 17th-century ‘Glass Wreck’ using photogrammetric 3D documentation. The ‘virtual open-air museum of wrecks in the Gulf of Gdansk’ project Tomasz Bednarz (National Maritime Museum, Poland)</p> <p>The role of 3D models in the interpretation and <i>in-situ</i> preservation of archaeological heritage: the case studies of Portus Iulius in submerged Baiae (Pozzuoli, Naples), and the ancient harbour in Marina Lunga-Sottomonastero (Lipari) Barbara Davidde Petriaggi, *Massimiliano Secci, Gabriele Gomez de Ayala, Pier Giorgio Spanu & Luca Sanna (*Università degli Studi di Sassari, Italy)</p> <p>Verification of the <i>Batavia</i> reconstruction based on underwater photogrammetry and laser scanning Petra Helmholtz, Joshua Hollick, David Belton, Andrew Woods & Andrew Hutchison (Curtin University, Australia)</p> <p>Developing salvage visualisation methods to impact maritime heritage Chris Rowland & John Anderson (University of Dundee & ADUS Deepocean, United Kingdom)</p> <p>Old ships, new tricks: 3D documentation of submerged Sydney Harbour shipwreck sites with digital photogrammetry James Hunter & Kieran Hosty (Australian National Maritime Museum, Australia)</p>	<p style="text-align: center;">Naval warfare</p> <p>Session Chair: Hanz Guenter Martin (International Congress on Underwater Archaeology, Germany)</p> <p>The Prince’s ships. Early Modern warships and sunken battlefields in the Baltic Johan Rönby (Södertörn University, Sweden)</p> <p>Missing link – evidence of the military and naval evolution of a global empire Irina Malliaros (Bournemouth University, United Kingdom)</p> <p>The military dockyards in the Greek world Nicol Tollis (Università La Sapienza di Roma, Italy)</p> <p>The maritime archaeology of duplex drive tanks in the United Kingdom Tom Cousins, Tom Harrison & Dave Parham (Bournemouth University, United Kingdom)</p>	<p style="text-align: center;">Maritime archaeology, capacity building and training in the developing world (Part 2)</p> <p>Between rules and reality: starting up maritime archaeology in the 21st century – the case of Cyprus Stella Demesticha (University of Cyprus, Cyprus)</p> <p>Increasing professional heritage management capacity: illustrating the components that contribute to the success of international capacity building *Chris Underwood & Martijn Manders (*National Institute of Anthropology Buenos Aires, Argentina & Nautical Archaeology Society, United Kingdom)</p> <p>From try dive to a wreck documentation, archaeological research and capacity-building in Saudi Arabia Michaela Reinfeld (Philipps-University Marburg & University of Cologne, Germany)</p> <p>A value-based model for capacity building in maritime archaeology in the developing world Mark Staniforth & Paddy O’Toole (Flinders University, Adelaide & Monash University, Australia)</p> <p>Maritime Archaeology Survey of Oman (MASO) 2015 Lucy Blue, Jeremy Green & *Tom Vosmer (*C/- Western Australian Museum, Australia)</p>
Lunch (Functions Centre, Level 2) 12:45 pm – 1:45 pm		

DAY 2 (AFTERNOON)
TUESDAY: 29 NOVEMBER 2016

Maritime Museum NWS Theatre 1:45 pm – 3:00 pm	Maritime Museum Functions Centre (Level 2) 1:45 pm – 3:00 pm	B Shed (Fremantle Port Authority venue) 2:00 pm – 3:00 pm
<p style="text-align: center;">Floating forests / submerged forests: an environmental history of trees (Part 1)</p> <p>Session Chairs: Nigel Nayling (University of Wales Trinity Saint David, United Kingdom) & Ana Crespo Solana (Consejo Superior de Investigaciones Científicas, Spain)</p> <p>Ship sizes and wood scantlings Filipe Castro (Texas A&M University, USA)</p> <p>Reconstructing trees from ship timber assemblages using 3D modelling technologies: evidence from Belinho in northern Portugal Adolfo Miguel Martins, Ana Almeida, Antonio Santos, Ivone Magalhaes, Filipe Castro, Jemma Bezzant, Marta Domínguez Delmás, Nigel Nayling & Peter Gronendijk (University of Wales Trinity Saint David, United Kingdom)</p> <p>A timber voyage: the Havana Shipyard in the 18th century Maria M. Intxaustegi (University of the Basque Country, Spain)</p> <p>The Ribadeo shipwreck (c. 1600) – a multidisciplinary approach for an Iberian shipbuilding case study Beñat Eguiluz Miranda, Marta Domínguez Delmás, Ana Crespo Solana, José Luis Gasch-Tomás, Miguel San Claudio & Koldo Trápaga Monchet (Consejo Superior de Investigaciones Científicas [CSIC], Spain)</p>	<p style="text-align: center;">Scientific techniques, use of digital platforms, and application of new technology in maritime archaeology (Part 1)</p> <p>Session Chairs: Celeste Jordan (Flinders University, Australia) & Arianna Traviglia (Ca' Foscari University Venezia, Italy)</p> <p>Stone Age sites in deep water – how do we cope with an international problem? Ole Grøn, Lars Ole Boldreel, Jean-Pierre Hermand, Debbie Cvikel & Ehud Galili (Norwegian Maritime Museum, Norway)</p> <p>The estimation of buried objects using marine magnetometer in underwater archaeological survey *Jin-Yuan Liu & **Chen-Fen Huang (*Tamkang University, Taiwan & **National Taiwan University & Institute of Oceanography, Taiwan)</p> <p>Archaeology of a Great War U-boat attack in the south of Portugal: development and adaptation of methods and techniques Jorge Russo & Augusto Salgado (Portuguese Navy Research Centre [CINAV], Portugal)</p> <p>How an amateur group produced a shipwrecks phone app Ian Warne (Maritime Archaeological Association of Western Australia (MAAWA), Australia)</p>	<p style="text-align: center;">The following poster presenters to stand by their posters during this session to present their work and/or answer questions from delegates (Part 1)</p> <p>The Valparaiso Customs wharf: corporate tableware as a source of information for the Pacific Steam Navigation Company (PSNC) Angela M. Rodríguez S., C. Valeria Sepúlveda & Diego A. Carabias ARKA Arqueología Marítima, Chile</p> <p>Shipwrecks and cargoes: routes and trades in the Mediterranean through the Hellenistic relief bowls Antonella Antonazzo University of Rome 'Tor Vergata', Italy</p> <p>Archaeometric analysis of raw materials for lead-based pigments from shipwreck sites in the eastern Adriatic Katarina Batur & Vladimir Bermanec University of Zadar & University of Zagreb, Croatia</p> <p>The reconstruction of the water supply using LiDAR images Frida Occelli & Micaela Leonardi Stadium sas, Italy</p> <p>Photography for underwater archaeology – a brief history Patrick Baker Western Australian Museum, Australia</p> <p>Exploitation of prevailing winds and currents by the earliest known seafarers, colonising Australasia c. 50,000 years ago E. Kiki Kuijjer, R. Helen Farr, Robert Marsh, Ivan D. Haigh & Erik van Sebille University of Southampton, United Kingdom</p> <p>Mount Dutton Bay: photogrammetry and three-dimensional modelling of a cultural landscape Jarrad Daniel Kowlessar, Wendy Van Duivenvoorde & Jonathan Benjamin Flinders University, Australia</p>

		<p>Scientific techniques for the conservation of a zinc-iron composite object Thommadura Kamal Kumara De Zoysa Central Cultural Fund, Sri Lanka</p> <p>Metal shipwrecks in Patagonia, Argentina – contributions to their research and management Dolores Elkin, Guillermo Gutierrez & Chris Underwood National Research Council & National Institute of Anthropology, Argentina</p> <p>A Portuguese Indiaman voyage through its finds (<i>Esmeralda</i>, 1503) Tânia Manuel Casimiro & David Mearns IAP/IHC–FCSH, UNL, Portugal</p> <p>Sailing the Nile waters during the 19th and 20th centuries Ziad M. Morsy Alexandria University, Egypt</p>
<p>Coffee / tea break (Functions Centre, Level 2) 3:00 pm – 3:30 pm</p>		<p>Coffee / tea break (B Shed) 3:00 pm – 3:30 pm</p>
<p>Maritime Museum NWS Theatre 3:30 pm – 4:30 pm</p>	<p>Maritime Museum Functions Centre (Level 2) 3:30 pm – 4:30 pm</p>	<p>B Shed (Fremantle Port Authority venue) 3:30 pm – 4:30 pm</p>
<p>Floating forests / submerged forests: an environmental history of trees (Part 2)</p> <p>From forests to the sea, from the sea to the laboratory: the <i>Santa Maria Magdalena</i> frigate *Ana Rita Trindade, Sara Rich, Adolfo Martins, Mohamed Traoré, Nathan Gallagher & Marta Dominguez Delmás (*Centro de Ciencias Humanas y Sociales–Consejo Superior de Investigaciones Científicas [CCHS-CSIC], Spain)</p> <p>Maritime archaeological timber sampling: methods and results from the silty Solent Sara Rich, Garry Momber & Nigel Nayling (Maritime Archaeology Limited, United Kingdom)</p> <p>Timber for the <i>Batavia</i> *Aoife Daly, Marta Dominguez Delmás, Wendy van Duivenvoorde & Jeremy Green (*dendro.dk, Denmark)</p>	<p>Scientific techniques, use of digital platforms, and application of new technology in maritime archaeology (Part 2)</p> <p>Wreck's digitalization in foreshore context Olivia Hulot & Jaouen Marine (Drassm / French Ministry of Culture, France)</p> <p>Integrated approach using sub-bottom profiler combined with sonar multi-beam as a preventive archaeological diagnosis before harbour extension Philippe Pelgas & **Le Faou Yann – *National Institute of research Preventive Archaeological, Inrap & **National hydrographic service, Defense Ministry, France</p> <p>Sensing tidal landscapes: artificial intelligence and computer vision methods for underwater archaeological heritage in shallow waters Arianna Traviglia (University Ca' Foscari Venezia, Italy)</p>	<p>The following poster presenters to stand by their posters during this session to present their work and/or answer questions from delegates (Part 2)</p> <p>A subaquatic diagnosis on coastal river the Charente in Saintes city, France Olivier Dayrens, J.P. Baigl, J. Dez, Eric Rieth & Philippe Pelgas (French Institute of National Preventive Archaeological Research, France)</p> <p>A propeller out of the blue David Nutley (Comber Consultants, Australia)</p> <p>Ships depicted on murals from Sri Lanka's colonial period W.H. Rukshan Priyandana & Rasika Muthucumarana (Maritime Archaeology Unit, Sri Lanka)</p> <p>Pursuing sustainable preservation and valorisation of underwater cultural heritage: attempt in Okinawa at an underwater site museum</p>

		<p>Yumiko Nakanishi, Takashi Tetsu & Rintaro Ono (Osaka Prefectural Board of Education, Japan)</p> <p>The development of underwater cultural heritage studies in Taiwan: past, present and future plans *Jin-Yuan Liu, Gwo-Long Shy, Jui-Kun Chiu & Ching-Ting Hsin (*Tamkang University, Taiwan)</p> <p>Challenging the offshore theory for fossiliferous chert artefacts in south-west Australia Mick O'Leary, Ingrid Ward, Marcus Key & Mackenze Burkhart (Curtin University, Australia)</p> <p>Reconstructing the maritime framework of Agios Georgios, Peyia, and Figtree, Protaras, Cyprus, for the 9th to 4th millennium B.C. period using LiDAR data Achilleas Iasonos (University of Southampton, United Kingdom)</p> <p>A new look at old cannons: 46 years of investigating the Gun Rock site Peta Knott & John McCarthy (Wessex Archaeology, United Kingdom)</p> <p>All the way from the start: restructuring the 3D model of the Mazotos shipwreck Andonis Neophytou (University of Cyprus, Cyprus)</p> <p>The typology of ancient ports along the Albanian coast: the case study of Dyrrah Adrian Anastasi (National Archaeological Institute, Albania)</p>
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(1) Informal drinks (own expense) at “Creatures Next Door” after 5:00 pm (42 Mews Rd, Fremantle WA 6160)

(2) Informal Networking Evening (Sponsored by the Embassy of the Kingdom of the Netherlands)

(Limited space: entry by invite only based on time of registration)

DAY 3 (MORNING)
WEDNESDAY: 30 NOVEMBER 2016

Registrations: 8:30 am – 5:30 pm

Maritime Museum NWS Theatre 9:00 am – 10:30 am	Maritime Museum Functions Centre (Level 2) 9:00 am – 10:30 am	B Shed (Fremantle Port Authority venue) 9:00 am – 10:30 am
<p>Boats in context and the study of early watercraft (Part 1)</p> <p>Session Chairs: Charlotte Minh Ha Pham (Murdoch University, Australia) & Miran Erič (Global Early Watercraft Initiative, Slovenia)</p> <p>Exploring variation in traditional boatbuilding practices: 1,500 years of Southeast Asian lashed-lug watercraft Ligaya Lacsina (Flinders University, Australia & National Museum of the Philippines, The Philippines)</p> <p>World's history unlocked: a study of the historical context of the Phanom-Surin shipwreck in Thailand Abhirada Komoot (Thailand)</p> <p>Seafaring and boat use in central Vietnam Charlotte Minh Ha Pham (Asia Research Centre, Murdoch University, Australia)</p> <p>Logboats of Coquí: an ethnographic approach to maritime material culture Clara Fuquen Gomez (University of Southampton, United Kingdom)</p>	<p>Maritime archaeological sites and legacy data, revisiting old shipwrecks with new technologies (Part 1)</p> <p>Session Chairs: Alistair Paterson (University of Western Australia, Australia), Jeremy Green (Western Australian Museum, Australia) & Madeline McAllister (University of Western Australia, Australia)</p> <p>The Gnalic shipwreck, 50 years on *Mariangela Nicolardi & Irena Radić Rossi (*University Paris1 Panthéone-Sorbonne, France)</p> <p>'Reinventing' legacy data and archaeological interpretation: 3D digital visualisations of shipwreck sites Madeline McAllister (University of Western Australia, Australia)</p> <p>Integrating legacy excavation survey data with new technologies – the James Matthews experience Trevor Winton (Flinders University, Australia)</p> <p>3D reconstruction of the Batavia (1629) wreck site from historical (1970s) photographs *Andrew Woods, Nick Oliver, Joshua Hollick, Jeremy Green & Patrick Baker (*Curtin University, Australia)</p>	<p>The geoarchaeology of harbours: current research and future directions (Part 1)</p> <p>Session Chairs: Ania Kotarba-Morley (University of Wollongong, Australia) & David Blackman (University of Oxford, United Kingdom)</p> <p>Geoarchaeological reconnaissance of Unguja Ukuu, a Late Holocene/Early Islamic trade port in southern Zanzibar Nikos Kourampas, Anna M. Kotarba-Morley, Alison Crowther, Mark Horton & Nicole Boivin (University of Stirling & University of Edinburgh, United Kingdom)</p> <p>Forty years (and more) since Colston: an archaeologist's view David Blackman (University of Oxford, United Kingdom)</p> <p>Elaia, the maritime satellite city of Pergamum Stefan Feuser, Felix Pirson & Martin Seeliger (University of Rostock, Germany)</p> <p>Tallinn Harbour from the Middle Ages: studies in the former seabed Maili Roio (Estonian National Heritage Board, Estonia)</p>
<p>Coffee / tea break (Functions Centre, Level 2) 10:30 am – 11:00 am</p>		<p>Coffee / tea break (B Shed) 10:30 am – 11:00 am</p>

Maritime Museum Theatre 11:00 am – 12:15 pm	Maritime Museum Functions Centre 11:00 am – 12:15 pm	B Shed (Fremantle Port Authority Venue) 11:00 am – 12:15 pm
<p style="text-align: center;">Boats in context and the study of early watercraft (Part 2)</p> <p>Logboat from Ljubljana (SI-81): new evidence of Iron Age transportation on Ljubljansko Barje, Slovenia *Pavla Peterle Udovic & Miran Eric (Arheoved Company, Slovenia)</p> <p>The social context of boats and maritime trade in late medieval and early post-Reformation Norway: stockfish in northern Norway Stephen Wickler & Tori Falck (Tromsø University Museum & University of Tromsø, Norway)</p> <p>Miniaturising boats: the value of models Charlotte Dixon (University of Southampton & British Museum, United kingdom)</p> <p>Ship representations in 17th century Portuguese tin glaze ware Mário Varela Gomes & Tânia Manuel Casimiro (Instituto Arqueologia Paleociências Universidade Nova de Lisboa, Portugal)</p>	<p style="text-align: center;">Maritime archaeological sites and legacy data, revisiting old shipwrecks with new technologies (Part 2)</p> <p>Helping to identify historic shipwrecks. The DNA analysis of ivory Megan Coghlan & *Jeremy Green (*Western Australian Museum, Australia)</p> <p>The analysis of Spanish coins from shipwreck sites *Walter Bloom, Liesel Gentelli, Jeremy Green, Martijn Manders, Alistair Paterson & Jon Woodhead (*C/- Western Australian Museum & Murdoch University, Australia)</p> <p>The legacy of the <i>Batavia</i> – new research on Beacon island: graves, bones and isotopes Dan Franklin & *Elizabeth Smits (*University of Amsterdam, The Netherlands)</p>	<p style="text-align: center;">The geoarchaeology of harbours: current research and future directions (Part 2)</p> <p>There's a pier buried under there: rapid geomorphic and anthropogenic change along the Victorian coastline *Geoff Hewitt, Brad Duncan, Cathy Tucker & Hans Dieter Bader (*Geoff Hewitt Archaeologist, Australia)</p> <p>New geoarchaeological results from the Greco-Roman port of Berenike Troglodytica on the Red Sea coast of Egypt Anna M. Kotarba-Morley (University of Wollongong, Australia)</p> <p>Naukratis in its riverine setting Ross Thomas, Benjamin Pennington and Alexandra Villing (The British Museum, United Kingdom) <i>Read by David Blackman for the benefit of the audience</i></p>
<p>Group photo of all IKUWA6 delegates, Functions Centre balcony (12:20 – 12:30)</p> <p>Lunch (Functions Centre, Level 2) 12:30 pm – 1:30 pm</p>		

DAY 3 (AFTERNOON)
WEDNESDAY: 30 NOVEMBER 2016

Maritime Museum NWS Theatre 1:30 pm – 3:15 pm	Maritime Museum Functions Centre (Level 2) 1:30 pm – 3:15 pm	B Shed (Fremantle Port Authority venue) 1:30 pm – 3:15 pm
Boats, trade and exploration	Current and future prospects of underwater cultural heritage studies and management in East Asia	The final frontier: underwater archaeology, new technology development and the deep shipwreck resource
<p>Session Chair: Michael Gregg (Western Australian Museum, Australia) & Charlotte Minh Ha Pham (Murdoch University, Australia)</p> <p>Evidence of prehistoric seafaring in Dalmatia Nikolina Stepan & Irena Radić Rossi (University of Zadar, Croatia)</p> <p>Hahotrim, Israel Shelley Wachsmann (Institute of Nautical Archaeology, Texas A&M University, USA)</p> <p>Recent discovery of post-Medieval shipwrecks in Croatia Igor Miholjek (Croatian Conservation Institute, Croatia)</p> <p>Did Icelandic stockfish change northern German shipbuilding? Mike Belasus (German Maritime Museum, Germany)</p> <p>Ghost ships of the Arctic: the underwater archaeology of Sir John Franklin's HMS <i>Erebus</i> and HMS <i>Terror</i> Marc-André Bernier (Parks Canada, Canada)</p> <p>A 'floating Venice off Arnhem Land': the research potential of the <i>Sanyo Maru</i> shipwreck David Steinberg (Northern Territory Government, Australia)</p>	<p>Session Chairs: Rintaro Ono (Tokai University, Japan), Cheng-Hwa Tsang (Academia Sinica, Taiwan), & Jun Kimura (Tokai University, Japan)</p> <p>Underwater archaeology in Korea Do-Hyun Kim (ICOMOS Korea, Pukyong National University, Republic of Korea)</p> <p>A model educational Underwater Cultural Heritage program utilizing a remotely operated vehicle Norimitsu Sakagami, Yinji Li & Jun Kimura (Tokai University, Japan)</p> <p>The results of the underwater archaeological excavation at sea off Taean, Korea Whan Suk Moon & Kyeong-jung Roh (National Research Institute of Maritime Cultural Heritage, Republic of Korea)</p> <p>Shipwrecks and sea routes in the Ryukyu Archipelago Chiaki Katagiri, Rintaro Ono, Yuji Yamamoto & Hiroki Miyagi (Okinawa Prefectural Museum and Art Museum, Japan)</p> <p>3D visualization of USS <i>Emmons</i> (WWII wreck) off Okinawa Island using multi-beam bathymetry and PhotoScan SfM software Hironobu Kan, C. Katagiri, Rintaro Ono, M. Nagao, Y. Nakanishi & S. Yoshizaki (Kyushu University, Japan)</p> <p>Communicating maritime archaeology to the Vietnamese public Charlotte Looram & Melissa Bendell (Flinders University, Australia)</p>	<p>Session Chairs: Matt Carter (La Trobe University, Australia) & Andy Viduka (Department of the Environment and Energy, Australia)</p> <p>Preliminary performance experiments in the sea of a multi-legged ROV Crabster for surveying underwater cultural heritage Bong-Huan Jun, Jin-Yeong Park, Hyunwon Shim, Banghyun Kim, Seongyeol Yoo, Hyuk Baek, Woo-Young Jeong, Pan-Mook Lee & Young-Hwa Jung (Korea Research Institute of Ships & Ocean Engineering, Republic of Korea)</p> <p>The 3D seismic survey of the shipwreck, Mado 4, using EOS3D-A in Republic of Korea Won-sik Kim, Yong-hwa Jung & Hyun-do Kim (Korea Institute of Geoscience and Mineral Resources, Republic of Korea)</p> <p>Artefact classification in the debris field of HMAS <i>Sydney II</i> *Andrew Hutchison, Ross Anderson, Andrew Woods, Petra Helmholz, Wes Olsen & Joshua Hollick (*Curtin University, Australia)</p> <p>'The Six Million Dollar Hand': a robotic hand for remotely-operated deep archaeology Denis Degez & Vincent Creuze (Département des Recherches Archéologiques Subaquatiques et Sous-Marines & Submarine and Undersea Archaeological Research Department, France)</p> <p>Prospecting and digging at 1,100m with an ROV: the campaign to archaeologically investigate the shipwreck <i>N^a S^a de las Mercedes</i> Iván Negueruela Martínez, Rocío Castillo Belinchón, Juan Luis Sierra Méndez, Milagros Buendía Ortuño & Patricia Recio Sánchez (Museo Nacional de Arqueología Subacuática, Spain)</p> <p>Deep water archaeology in the Black Sea *Jonathan Adams, Kroum Batchvarov, Kalin Dimitrov, Justin Dix, R. Helen Farr, Dragomir Garbov, Johann Rønnby, Dimitris Sakellariou, Fraser Sturt, Lyudmil Vagalinski (*University of Southampton, United Kingdom)</p>

Coffee / tea break (Functions Centre, Level 2) 3:15 pm – 3:45 pm		Coffee / tea break (B-Shed) 3:15 pm – 3:45 pm
Maritime Museum NWS Theatre 3:45 pm – 5:45 pm	Maritime Museum Functions Centre (Level 2) 3:45 pm – 5:45 pm	B Shed (Fremantle Port Authority venue) 3:45 pm – 4:45 pm
<p>Presenting maritime and underwater archaeology in museums in the 21st century</p> <p>Session chair: Christopher Dobbs (The Mary Rose Trust, United Kingdom)</p> <p>It's not about a ship: presenting the <i>Mary Rose</i> in a new museum Christopher Dobbs (The Mary Rose Trust, United Kingdom)</p> <p>Apoxymenos – underwater cultural heritage and museums in the service of the local community *Zrinka Etfinger Starinić & Hrvoje Potrebica (*Museum of Lošinj, Croatia)</p> <p>Shoe-box archaeology and how to snorkel a wreck and stay dry! Presenting and interpreting West Australian maritime heritage to schools, aged care and the wider community Richenda Prall & Megan Mentz (Museum of Moving Objects [MOMO] Inc., Australia)</p> <p>Making a lot with very little *Kevin Edwards, Nicolas Bigourdan & Michael McCarthy (*Flinders University, Australia)</p> <p>Underwater cultural heritage & maritime museums Omama Ahmed Gamal Elbastawisy Eldeeb (Flinders University, Australia)</p> <p>Aims and targets of maritime museums and exhibitions in Europe: case studies from Germany, Greece and Italy Marina M.S. Nuovo (Sapienza Università di Roma, Italy)</p> <p>Curating an ocean of objects. Object histories of the Indian Ocean *J.D. Hill & Corioli Souter (*The British Museum, United Kingdom)</p>	<p>Tying the knot: western and eastern trade ships in the Pacific and Indian Oceans</p> <p>Session Chair: Filipe Castro (Texas A&M University, USA)</p> <p>Missing links of Indian Ocean wrecks Rasika Muthucumarana (Central Cultural Fund, Sri Lanka)</p> <p>Identifying the steamship <i>SS Malabar</i> (1860) Indika Upul Hewage & Rasika Muthucumarana (Central Cultural Fund, Sri Lanka)</p> <p>Closing in on the <i>Fortuyn</i> Graeme Henderson, Andrew Viduka, Alex Moss & James Parkinson (Wreck Check Inc., Australia)</p> <p>Silver – key to a shipwreck mystery? Hugh Edwards (Author and Independent Researcher, Australia)</p> <p>Archaeological study of an early 16th century Portuguese East Indiaman: <i>Al Hallaniyah Island, Oman</i> David L. Mearns, David Parma, Ayyoub Al Busaidi, Ahmed Al Siyabi (Blue Water Recoveries Ltd, United Kingdom)</p> <p>An account of stone anchors in the northern shoreline of the Persian Gulf *Ali Moosiae & **Sorna Khakzad (*Siraf Pars Museum, Iran & **University of West Florida, Florida Public Archaeology Network, USA)</p> <p>Exploration and analysis of the regional cooperation scheme for the protection of the UCH in the South China Sea Liu Lina & Liu Shuguang (Xi'an Jiaotong University, China)</p>	<p>The following poster presenters to stand by their posters during this session to present their work and/or answer questions from delegates (Part 3)</p> <p>The Limassol carnayo: understanding maritime aspects of oral traditional culture and preserving authenticity and integrity Maria Ktori (University of Cyprus, Cyprus)</p> <p>Preserved meat supplies or slaughterhouse waste disposal? Zooarchaeology and the case of the wreck of the <i>Infatigable</i> Patricio López, Isabel Cartajena, Diego Carabias, Renato Simonetti & Carla Morales (ARQMAR – Centre for Maritime Archaeology Research of the Southeastern Pacific, Chile)</p> <p>Sensory navigation in the Roman Mediterranean: the Levantine and Ionian seascapes Carmen Obied & Steven Lopez (University of Southampton, United Kingdom)</p> <p>Maritime conflict: a view of the Great War from a cultural landscape approach Augusto Salgado, Jorge Freire, Jorge Russo & Tiago Fraga (Portuguese Navy Research Centre, Portugal)</p> <p>Mosquitoes, forts and ships: maritime landscapes of war in the 18th century, Cartagena de Indias, Colombia Carlos del Cairo Hurtado (University Externado de Colombia–Terra Firme Foundation, Colombia)</p> <p>Large Roman logboat from Liublianica River, Slovenia: a significant challenge in a newly established conservation workshop Katja Kavkler & Miran Erič (Institute for the Protection of Cultural Heritage of Slovenia, Slovenia)</p> <p>Does an extended logboat drevák from Notranjska region (Slovenia) originate from shipbuilding tradition of Roman times? Miran Erič, Ljoba Jenč, Barbara Sosič & Zala Erič (Institute for the Protection of Cultural heritage of Slovenia, Slovenia)</p> <p>Global database of early watercraft: the case of Slovenia Bojan Kastelic, Miran Erič, Goran Zlodi & *Franc Solina (*University of</p>

		<p>Ljubljana, Slovenia)</p> <p>Anaxum project: a bottom-up approach to riverine archaeology *Massimo Capulli & Arianna Traviglia (*Università degli Studi di Udine, Italy)</p> <p>The transport of sculpture in the eastern and central Mediterranean during the Hellenistic and Roman periods Katerina Velentza (University of Southampton, United Kingdom)</p> <p>Art and documentation serving the underwater archaeology in the interpretation of history Ramon Orrite & Angel Tobar</p>
<p style="text-align: center;">(1) Tour of World Heritage Fremantle Prison (as pre-booked during registration)</p> <p style="text-align: center;">(2) Informal drinks at “Creatures Next Door” after 5:00 pm, 42 Mews Rd, Fremantle WA 6160 (own expense)</p>		

DAY 4 (MORNING)
THURSDAY: 1 DECEMBER 2016

Registrations: 8:30 am – 3:00 pm

Maritime Museum NWS Theatre 9:00 am – 10:30 am	Maritime Museum Functions Centre (Level 2) 9:00 am – 10:30 am	B Shed (Fremantle Port Authority venue) 9:00 am – 10:30 am
<p style="text-align: center;">The social archaeology of ports, harbours and watery places (Part 1)</p> <p>Session Chair: Hanna Steyne (University of Manchester, United Kingdom), Martin Gibbs (University of New England, Australia) & Brad Duncan (Heritage New South Wales & University of New England, Australia)</p> <p>Landing site – trading site: ancient ‘meshworks’ in maritime hotspots of the Mediterranean Aylin Güngör (University of Hamburg, Germany)</p> <p>The Adriatic communication area Julia Daum & Martina Seifert (University of Hamburg, Germany)</p> <p>Cultural landscapes at the urban waterside Hanna Steyne (University of Manchester, United Kingdom)</p> <p>Van Don commercial port (Vietnam) – geographical location and its role in the history and archaeological research Ngo The Bach (Thang Long–Hanoi Heritage Conservation Centre, Vietnam)</p>	<p style="text-align: center;">Site management (Part 1)</p> <p>Session Chair: Hrvoje Potrebica (University of Zagreb, Croatia)</p> <p>Balancing safety and significance: the SS Dicky shipwreck Danielle Wilkinson (Cosmos Archaeology, Australia)</p> <p>The challenge of the Swash Channel wreck Dave Parham (Bournemouth University, England)</p> <p>Impacts and issues of the commercial exploitation of the Åland champagne schooner Ville Peltokorpi (University of Helsinki, Finland)</p> <p>The secret life of wreck divers Joanne Edney (Southern Cross University, Australia)</p>	<p style="text-align: center;">The archaeology of submerged palaeolandscapes: a global perspective (Part 1)</p> <p>Session Chair: Jonathan Benjamin (Flinders University, Australia)</p> <p>Submerged landscapes: ‘Good to think’ Fraser Sturt & Nic Flemming (University of Southampton, United Kingdom)</p> <p>The significance of the drowned landscapes to mobility and the transmission of prehistoric technologies Garry Momber (Maritime Archaeology Trust, United Kingdom)</p> <p>The Splashcos-Viewer – first online atlas of submerged paleolandscape archaeological sites in Europe *Hauke Jöns, Moritz Mennenga, Jørgen Dencker & Martin Segsneider (*Lower Saxony Institute for Historical Coastal Research, Germany)</p> <p>Submerged prehistoric landscapes of the Eastern Adriatic: a case study site at Zambratija Bay Katarina Jerbić & Ida Koncani Uhač (Flinders University, Australia)</p>
Coffee / tea break (Functions Centre, Level 2) 10:30 am – 11:00 am		Coffee / tea break (B-Shed) 10:30 am – 11:00 am

Maritime Museum NWS Theatre 11:00 am – 12:15 pm	Maritime Museum Functions Centre (Level 2) 11:00 am – 12:15 pm	B Shed (Fremantle Port Authority venue) 11:00 am – 12:15 pm
<p style="text-align: center;">The social archaeology of ports, harbours and watery places (Part 2)</p> <p>Submerged coastal structures of the ancient settlement in the bay of Caska (island of Pag, Croatia) Giulia Boetto, Irena Radić Rossi, Katarina Batur & Maja Grisonic (University of Zadar, Croatia)</p> <p>Vado Bay (Liguria, Italy): dredging in a long life ancient harbour Simon Luca Trigona & Frida Ocelli (Soprintendenza Archeologia della Liguria, Italy)</p> <p>Living at the coast and working at sea: social archaeology of a 15th century fishing settlement along the coast of Flanders (Ostend, Belgium) Marnix Pieters (Flanders Heritage Agency, Belgium)</p> <p>Ancient shore and port of Pharos / Pharia, island of Hvar, Croatia J. Tea Katunaric Kirjakov (University of Split, Croatia)</p>	<p style="text-align: center;">Site management (Part 2)</p> <p>The vulnerability of HMAS <i>Perth</i> shipwreck site, Banten Bay, Indonesia Nia Naelul Hasanah Ridwan, Gunardi Kusumah, Semeidi Husrin, Adli Attamimi, Shinatria Adhityatama & Zainab Tahir (Indonesian Ministry of Marine Affairs and Fisheries, Indonesia & James Cook University, Australia)</p> <p>Documentation of a submerged hermitage in the reservoir of ‘Buendía’ (Spain): an example of collaboration between divers and institutions for the protection of UCH Rocio Castillo Belinchón, David Munuera Navarro, Ángel Tobar Escudero, María Elena Labrandero Pulgar, Rogelio de la Vega Panizo & David Fernández Sánchez (Museo Nacional de Arqueología Subacuática, Spain)</p> <p>Archaeology at the beach of Raversijde (Ostend, Belgium): a case for using different techniques in an intertidal area Ine Demerre, Sven van Haelst & Marnix Pieters (Flanders Heritage agency, Belgium)</p> <p>An underwater archaeology lesson for our time Elena Flavia Castagnino Berlinghieri & David Blackman (Soprintendenza Beni Culturali e Ambientali of di Siracusa, Italy)</p>	<p style="text-align: center;">The archaeology of submerged palaeolandscapes: a global perspective (Part 2)</p> <p>Visualising dynamic sedimentary coastlines helps improve understanding of post-glacial occupation patterns, North West Shelf, Australia Piers Larcombe, Ingrid Ward & Tom Whitley (RPS MetOcean & University of Western Australia, Australia)</p> <p>The cold case of the Eccles Bonebeds: diver ground-truthing in the North Sea Rachel Bynoe, Fraser Sturt, Justin Dix, Simon Parfitt, Nick Ashton, Simon Lewis, Nigel Larkin, Peter Hoare & Chris Stringer (University of Southampton, United Kingdom)</p> <p>Bromme-, Maglemose-, Kongemose-, Ertebølle Culture. Four submerged sites from 12–1 m water depth in the same confined area Jørgen Dencker (The Viking Ship Museum, Denmark)</p> <p>Drowning landscapes, past submergence and present coastal change at Borth, West Wales, United Kingdom Jemma Bezant, R. Bale & Nigel Nayling (University of Wales Trinity Saint David, United Kingdom)</p>
Lunch (Functions Centre, Level 2) 12:15 pm – 1:15 pm		

DAY 4 (AFTERNOON)
THURSDAY: 1 DECEMBER 2016

Maritime Museum NWS Theatre 1:15 pm – 3:00 pm	Maritime Museum Functions Centre (Level 2) 1:15 pm – 3:00 pm	B Shed (Fremantle Port Authority venue) 1:15 pm – 2:30 pm
<p>Cultural landscapes and seascapes</p> <p>Session Chairs: Hanna Steyne (University of Manchester, United Kingdom), Martin Gibbs (University of New England, Australia) & Brad Duncan (Heritage New South Wales & University of New England, Australia)</p> <p>Please God, send me a wreck!: conflicting perceptions & alternative archaeological interpretation of shipping mishaps in Victoria Brad Duncan & Martin Gibbs (Heritage Division, Office of Environment & University of New England, Australia)</p> <p>The maritime world of the Early Bronze Age Levant through space and time Crystal Safadi (University of Southampton, United Kingdom)</p> <p>Maritime landscape and recycling ships as a cultural behaviour of UNESCO World Heritage Site Suomenlinna, Sea Fortress Minna Koivikko (National Board of Antiquities, Finland)</p> <p>Engraving the seascape life at Port Hedland, Western Australia Sam Harper (CRAR+M, University of Western Australia, Australia)</p> <p>Ships in shelters: comparing Indigenous management of colonial contact and invasion through the rock arts of southern Africa and northern Australia Sven Ouzman (University of Western Australia, Australia)</p>	<p>French scientific and exploration voyages in the Southern Hemisphere: the making of a shared cultural heritage</p> <p>Session Chairs: Emilie Dotte-Sarout (The Australian National University, Australia) & Nicolas Bigourdan (Western Australian Museum, Australia)</p> <p>18th–19th century French voyages in the South Seas and their legacy for Oceania archaeology: a shared intangible heritage? Emilie Dotte-Sarout (The Australian National University, Australia)</p> <p>The implications of the voyage collections of Bruni d'Entrecasteaux for modern creative artists Billie Lythberg (University of Auckland, New Zealand & Cambridge University Museum of Archaeology and Anthropology, United Kingdom)</p> <p>The scattered object collection from the voyage of Bruni d'Entrecasteaux Fanny Wonu Veys, Bronwen Douglas and Billie Lythberg (National Museum of World Cultures, The Netherlands)</p> <p>Sailors, savants, naming: France, Britain and the knowing of Oceania, 1750–1850 Bronwen Douglas (C/- The Australian National University, Australia)</p> <p>Tuamotu environments and societies in Early French accounts: from repulsion to ethnography Emilie Nolet (Université Paris 1, France)</p> <p>'Vive la France' – Louis de Saint Aloüarn and the French claim to the western part of New Holland Myra Stanbury (C/- Western Australian Museum, Australia)</p>	<p>Last chance to view posters</p> <p>All posters must be collected by 3:00 pm</p>

<p>From fresh to salt: dynamics of the maritime cultural landscape of the Zuiderzee (The Netherlands) between 1100 and 1400 AD Yftinus van Popta (University of Groningen, The Netherlands)</p>		
<p>Coffee / tea break (Functions Centre, Level 2) 3:00 pm – 3:30 pm</p>		
<p>Closing Plenary by IKUWA 3:30 pm – 4:15 pm Maritime Museum NWS Theatre</p>		
<p><u>ASSOCIATION MEETING</u> Maritime Museum, Functions Centre, Level 2 AIMA AGM 4:30 pm – 5:30 pm</p>	<p><u>COMMITTEE MEETING</u> Maritime Museum, Kailis Boardroom, Level 2 IKUWA Steering Committee Meeting 4:30 pm – 5:30 pm</p>	
<p>Conference Social Dinner (for those who pre-booked) (Fremantle Sailing Club: 151 Marine Terrace, Fremantle WA 6160. Phone: + 61 8 9435 8800) 6:00 pm until late</p>		

DAY 5 (ALL DAY)
FRIDAY: 2 DECEMBER 2016

Rottnest Island Dive / Snorkel Trip

Meet at 8:30 am at Molfetta Quay, Mews Road, Fremantle (not far from Esplanade Hotel)

Swan Valley Wine Tour

Meet at front steps of WA Maritime Museum at 9:30 am
for a 9:45 am pick up