

# 5<sup>th</sup> Asia-Pacific Regional Conference on Underwater Cultural Heritage

Asia Culture Centre, Gwangju, Korea

13<sup>th</sup> to 18<sup>th</sup> of November, 2023.



국립해양문화재연구소

National Research Institute of  
Maritime Cultural Heritage

Organized by the National Research Institute of Maritime Cultural Heritage (NRIMCH), the Cultural Heritage Administration (CHA)

### **“The Ocean Decade Challenges and the Maritime Cultural Heritage of Asia-Pacific”**

We are very pleased to inaugurate the 5th Asia-Pacific Regional Conference on Underwater Cultural Heritage (APConf 5). The conference theme mirrors worldwide efforts to discuss current environmental challenges, in the hope that a look into the past may open a window for the future. To do this, the APConf 5 will have as its main theme the United Nations Decade of Ocean Science for Sustainable Development (2021-2030), a framework to deliver solutions orientated to support a well-functioning ocean. We share previous voices pointing to underwater cultural heritage as an essential asset to reach the 7 Ocean Decade Outcomes for the Ocean We Want: a clean ocean, a healthy and resilient ocean, a productive ocean, a predicted ocean, a safe ocean, an accessible ocean and an inspiring and engaging ocean.

The Asia-Pacific Regional Conference on Underwater Cultural Heritage aims to further advance our knowledge on the region’s maritime heritage, and address management and protection strategies of underwater cultural heritage in Asia and the countries of the Indian and Pacific Oceans. It also aims to foster discussion on the UNESCO 2001 Convention for the Protection of Underwater Cultural Heritage and its ratification, and the application of the Convention’s Annex for the protection of the world’s Underwater Cultural Heritage.

The APConf 5 champions the inclusion of traditional ecological knowledge of local communities and highlights the value of underwater cultural heritage to address major threats, such as climate change. We think that by understanding the past we can help to develop strategies and solutions for a sustainable ocean. Likewise, due to the effects of climate change in marine and riverine ecologies, maritime cultural heritage is currently under threat. The future of our environment is therefore inextricably linked to the future of maritime cultural heritage and vice versa. Maritime cultural heritage and underwater archaeology can provide the science and support that the Decade of Ocean Science needs, by ensuring that the anthropological value of the oceans is understood, and recognizing that the cultural heritage lying at the bottom of the oceans and in our eroding coasts can be the key for change in humanity’s future relationship with the ocean.

This conference follows the successes of the Inaugural Asian Academy for Heritage Management Asia-Pacific Regional Conference hosted by the National Museum of the Philippines in November of 2011, the 2nd Regional Conference hosted by the National Marine Sanctuary Foundation and the University of Hawaii Marine Option Program (2014), the 3rd Regional Conference hosted by the Hong Kong Maritime Museum (2017) and the 4th Regional Conference hosted by The Bureau of Cultural Heritage (Taiwan), National Taiwan Ocean University, and the National Museum of Marine Science and Technology (Taiwan) (2021).

We are very pleased to welcome you in Gwangju this week, and look forward to the exciting conversations we will undoubtedly have!

The Organizing Committee

## Organizing Committee

**Scientific Team**

Nia Naelul Hasanah Ridwan (co-chair)  
Veronica Walker Vadillo (co-chair)  
Brian Fahy (co-chair)  
Elena Perez-Alvaro (Program coordinator)  
Carlota Perez-Reverte (Abstract & CfP coordinator)  
Jenny Craig (Publications Lead)  
Jay Mok (Publications)  
Ross Anderson (Fund raising team)  
Natali Pearson (Fund raising team, Social Media)  
Michelle Damian (Web Master)  
Kurt Knoerl (Online Publications MUA)  
Bill Jeffery (former co-chair)  
Hans Van Tilburg (former co-chair)  
Sila Tripathi (India liaison)  
Jennifer McKinnon (North America liaison)  
Ellen Lekka (UNESCO liaison)  
Wijerathne Bohingamuwa (Sri Lanka liaison)  
Akifumi Iwabuchi (Japan liaison)  
Abhirada Komoot (SEA liaison)  
Chiau Wen-yan (former host co-chair)  
Etienne Clement (former UNESCO liaison)

**Host Team**

Yong-Hwa Jung (host co-chair and Fund raising team)

**NRIMCH Hosting Team**

Kim Seong Bae  
Lee Kyu-hoon  
Jeong Chang Un  
Lee Jeong-hee  
Park Sangjun  
Kim Juhee

### Table of Contents

Overview of the program	6-11
Workshop	12
Conference Hall room program	13-19
Lecture Room 1 program	20-26
Asia Culture Academy 4 room program	27-33
Asia Culture Academy 5 room program	34-40

# Asia-Pacific Regional Conference on Underwater Cultural Heritage Program

Asia Culture Centre, Gwangju, Korea - 14th to 18th of November 2023

Monday, Nov. 13th	Arrival in Korea and heading to Gwangju	
	Registration (Reception Hall)	11:00-17:30

The conference is generously sponsored by

## Co-Organizers & Sponsors



국립해양문화재연구소

National Research Institute of  
Maritime Cultural Heritage

## Gold Sponsors

Wenner-Gren Foundation  
Supporting Anthropology Worldwide Est. 1941

GEOVIEW

## Silver Sponsors



PureNilex

## Bronze Sponsors



조선대학교 역사문화학과 Department of  
CHOSUN UNIVERSITY History and Culture  
<https://www4.chosun.ac.kr/sites/history/index.do>

ACL  
Archaeological Chemistry Laboratory



문화체육관광부  
국립김해박물관

Tuesday, Nov. 14th	Arrival in Korea and registration				Opens 9am
	Opening Ceremony				10:20-11:20
	<b>Keynote Talk: History of Underwater Excavation of Korea</b> <i>Yonghan Kim, Former Head of the Cultural Heritage Conservation Science Center National Research Institute of Cultural Heritage</i>				11:20-12:10
	Lunch				12:10-13:10
	<b>Roundtable: Maritime Archaeology in the Age of UN Decade of Ocean Science</b> <i>Dr. Athena Trakadas (Greece/Denmark), Prof. Dr. Akifumi Iwabuchi (Japan), Prof. Dr. Hye-Yeon Yi (Korea), and Dr. Zhi-Cheng Huang (Taiwan). Moderator: Prof. Dr. Elena Perez Alvaro (Spain/South Africa)</i>				13:10-15:00
	Coffee / tea break				15:00-15:15
	Conference Hall (Max. Capacity 400)	Lecture Room 1 (Max. Capacity 25)	Asia Culture Academy 4 (Max. Capacity 50)	Asia Culture Academy 5 (Max. Capacity 50)	<b>VENUE</b>
	<b>Session 5</b>	<b>Session 13</b>	<b>Session 10</b>	<b>Session 21</b>	<b>15:15-16:45</b>
	#38	#104	#80	#151	15:15-15:30
	#39	#100	#81	#152	15:30-15:45
	#40	#101	#82	#153	15:45-16:00
	#41	#102	#83	#154	16:00-16:15
	Discussion	Discussion	Discussion	Discussion	16:15-16:30
	Coffee / tea break				<b>16:30-16:45</b>
	<b>Session 5 cont.</b>	<b>Session 13 cont.</b>	<b>Session 14</b>	<b>Session 17</b>	<b>16:45-17:45</b>
	#42	#103	#106	#125	16:45-17:00
	#43	#98	#107	#126	17:00-17:15
	#44	#105	#108	#127	17:15-17:30
	Discussion	Discussion	Discussion	Discussion	17:30-17:45
	<b>Opening Dinner (pre-registered participants only)</b> Venue: Ramada Plaza Chungjang Hotel 369, Cheonbyeonu-ro, Dong-gu, Gwangju (10 to 15 min walk from ACC)				<b>18:00-20:00</b>

Weds., Nov. 15th	Registration				09:00-09:30
	Keynote Talk: Moana Nui Rising: Oceanic Activisms and Futurities Nālani Wilson-Hokowhitu Senior Research Fellow, Ngā Wai a Te Tūī, Māori & Indigenous Research Centre, Aotearoa - New Zealand				09:30-10:30
	Coffee / tea break				10:30-10:45
	Conference Hall (Max. Capacity 400)	Lecture Room 1 (Max. Capacity 25)	Asia Culture Academy 4 (Max. Capacity 50)	Asia Culture Academy 5 (Max. Capacity 50)	VENUE
	Session 16	Session 24	Session 8	Session 9	10:45-12:30
	#119	#172	#58	#68	10:45-11:00
	#120	#173	#59	#69	11:00-11:15
	#122	#174	#60	#70	11:15-11:30
	#123	#175	#61	#71	11:30-11:45
	#124	#176	Discussion	#73	11:45-12:00
	Discussion	#146	**Early Break**	Discussion	12:00-12:15
	**Early Break**	Discussion		**Early Break**	12:15-12:30
	Lunch				12:30-13:30
	Session 19	Session 22	Session 8 cont.	Session 9 cont.	13:30-15:00
	#133	#155	#62	#74	13:30-13:45
	#134	#156	#63	#75	13:45-14:00
	#135	#157	#64	#76	14:00-14:15
	#136	#158	#65	#77	14:15-14:30
	#137	#161	#66	#78	14:30-14:45
	Discussion	#160	Discussion	#79	14:45-15:00
	**Early Break**	Discussion	**Early Break**	Discussion	15:00-15:15

Weds., Nov. 15th	Coffee / tea break				15:15-15:30
	Session 19 cont.	Session 22 cont.	Session 7	Session 23	15:30-17:15
	#138	#159	#53	#167	15:30-15:45
	#139	#162	#54	#168	15:45-16:00
	#143	#163	#55	#169	16:00-16:15
	Discussion	#164	#56	#170	16:15-16:30
	**Early Break**	#165	#57	#171	16:30-16:45
		#166	Discussion	Discussion	16:45-17:00
		Discussion	**Early Break**	**Early Break**	17:00-17:15
	Workshop sponsored and organized by APCONF2023 & GEOVIEW (details at end of the program):  <b>Exploration technology and development direction for underwater cultural heritage in East Asia</b>  Venue: Conference Hall, Bentley Tourist Hotel (10 min walk from ACC) Address: 5, Seoseok-ro 10beon-gil, Dong-gu, Gwangju, South Jeolla, South Korea				17:30-21:00



Thursday, Nov. 16th	Registration & Poster Session (Lecture Room 2)				09:00-09:30
					09:30-10:30
	Coffee / tea break				10:30-10:45
	Conference Hall (Max. Capacity 400)	Lecture Room 1 (Max. Capacity 25)	Asia Culture Academy 4 (Max. Capacity 50)	Asia Culture Academy 5 (Max. Capacity 50)	VENUE
	Session 12	Session 11	Session 2	Session 25	10:45-12:30
	#94	#84	#10	#177	10:45-11:00
	#95	#85	#11	#178	11:00-11:15
	#96	#86	#12	#179	11:15-11:30
	#97	#87	#13	#180	11:30-11:45
	Discussion	#191	#14	#181	11:45-12:00
	**Early Break**	Discussion	#15	Discussion	12:00-12:15
		**Early Break**	Discussion	**Early Break**	12:15-12:30
	Lunch				12:30-13:30
	Session 6	Session 11 cont.	Session 2 cont.	Session 4	13:30-15:00
	#45	#88	#16	#25	13:30-13:45
	#51	#89	#17	#26	13:45-14:00
	#47	#90	#18	#27	14:00-14:15
	#49	#91	Discussion	#28	14:15-14:30
	#50	#93	Session 20	#30	14:30-14:45
	Discussion	Discussion	#144	#31	14:45-15:00
	**Early Break**	**Early Break**	#145	#32	15:00-15:15
			#147	Discussion	15:15-15:30
	Coffee / tea break				15:30-15:45

Thursday, Nov. 16th	Session 6 cont.	Session 18	Session 20	Session 4 cont.	15:45-17:15
	#48	#128	#148	#33	15:45-16:00
	#46	#129	#149	#34	16:00-16:15
	#52	#130	#150	#35	16:15-16:30
	Discussion	#132	Discussion	#36	16:30-16:45
	**Early Finish**	Discussion	**Early Finish**	#37	16:45-17:00
		**Early Finish**		Discussion	17:00-17:15

Friday, Nov. 17th	Registration				09:00-9:30
	Conference Hall (Max. Capacity 400)	Lecture Room 1 (Max. Capacity 25)	Asia Culture Academy 4 (Max. Capacity 50)	Asia Culture Academy 5 (Max. Capacity 50)	VENUE
	**Late Start**	Session 15	Session 1	Session 26	09:30-10:45
	Session 3	#110	#1	#188	09:30-09:45
	#19	#111	#2	#185	09:45-10:00
	#20	#112	#3	#186	10:00-10:15
	#21	#113	#4	#189	10:15-10:30
	Discussion	#114	Discussion	Discussion	10:30-10:45
	Coffee / tea break				10:45-11:00
	Session 3 cont.	Session 15 cont.	Session 1 cont.	Session 26 cont.	11:00-12:15
	#22	#115	#5	#182	11:00-11:15
	#23	#116	#6	#183	11:15-11:30
	#24	#117	#7	#184	11:30-11:45
	Discussion	#118	#190	#192	11:45-12:00
	**Early Break**	Discussion	Discussion	Discussion	12:00-12:15
	Lunch				12:15-13:15
	Closing ceremony <ul style="list-style-type: none"><li>Best Student Paper award, Best Senior Paper award &amp; Acknowledgements</li><li><b>Presentation of APConf 6</b> by Dr. I Nyoman Radiarta, S.Pi., M.Sc., Chairman, Agency for Marine and Fisheries Extension and Human Resources Development, Ministry of Marine Affairs and Fisheries, Republic of Indonesia</li><li>Closing remarks</li></ul>				13:15-14:15
	Closing Dinner (pre-registered participants only) <ul style="list-style-type: none"><li>- Venue: Lafesta Banquet Hall (15min, 4 stops from ACC subway station)</li><li>- Arrival: 17:30-18:00</li><li>- Korean traditional celebration performance: 18:10-18:40 (30min)</li><li>- Final ceremony: 18:50-19:10, - Dinner: 19:10-21:00</li></ul>				17:30-21:00

## Wednesday WORKSHOP

\*\*\*Pre-Registration Required\*\*\*

### Exploration technology and development direction for underwater cultural heritage in East Asia

Special Workshop organized and sponsored by APCONF2023 & GEOVIEW that explores current trends in exploratory technology and development for the study and protection of underwater cultural heritage in Asia.

Moderator: Jun Kimura, School of Marine Science and Technology, Tokai University

With speakers from the Philippines, Thailand, Malaysia, Indonesia, and Korea

Date: Wednesday, 15<sup>th</sup> of November, 2023, 17:30-21:00

Venue: Conference Hall, Bentley Tourist Hotel (10min, walking from ACC)

Arrival: 17:30-18:00

Presentations and discussion: 18:00-19:30

Dinner: 19:30-21:00

*Note: Dinner is included free of charge for pre-registered participants*



Conference Hall (Max. capacity 400)		
Tuesday, Nov. 14th	Arrival in Korea and registration	Opens 9am
	Opening Ceremony	10:20-11:20
	<b>Keynote Talk: History of Underwater Excavation of Korea</b> <i>Yonghan Kim, Former Head of the Cultural Heritage Conservation Science Center National Research Institute of Cultural Heritage</i>	11:20-12:10
	Lunch	12:10-13:10
	<b>Roundtable: Maritime Archaeology in the Age of UN Decade of Ocean Science</b> <i>Dr. Athena Trakadas (Greece/Denmark), Prof. Dr. Akifumi Iwabuchi (Japan), Prof. Dr. Hye-Yeon Yi (Korea), and Dr. Zhi-Cheng Huang (Taiwan)</i> <i>Moderator: Prof. Dr. Elena Perez Alvaro (Spain/South Africa)</i>	13:10-15:00
	Coffee / tea break	15:00-15:15
	<b>Session 5: New Research Findings of Archaeological Ceramics from the Maritime Cultural Heritage of the Asia-Pacific Region</b> <i>Chairs: Wong Wai-yee Sharon &amp; Bobby C. Orillaneda</i>	15:15-16:45
	#38 Trading ceramics – the findings from the shipwrecks along the coast of Vietnam <i>Hoang Anh Tuan (ONLINE)</i>	15:15-15:30
	#39 Study on the Production Sites of Pottery Excavated from Korean 11t-14th Shipwrecks <i>Jong-Kuk Shin</i>	15:30-15:45
	#40 The Important of the Heritage Impact Assessment and The Chinese Trade Ceramics in Ancient Malacca Shipwreck <i>Asyaari Muhamad</i>	15:45-16:00
	#41 Characteristics of Chinese Ceramics Excavated from Underwater of TaeAn Mado, Korea <i>Hyung-Soon Park</i>	16:00-16:15
	Discussion	16:15-16:30
	Coffee / tea break	16:30-16:45

Tuesday, Nov. 14th	<b>Session 5: New Research Findings of Archaeological Ceramics from the Maritime Cultural Heritage of the Asia-Pacific Region</b> <i>Chairs: Wong Wai-yee Sharon &amp; Bobby C. Orillaneda</i>	16:45-17:45
	#42 Medicine, Poison and Human Migration: Archaeological Ceramic Tobacco Pipes, Opium Utensils and Hookah Jars from the Coastal Sites and Shipwrecks along the South China Sea <i>Sharon Wong Wai-yee</i>	16:45-17:00
	#43 Angkorian Stoneware A Lost Site Ceramic Industry Of Cheung Ek, The Angkor Stoneware Kilns Complex <i>Muong Chanraksmeay</i>	17:00-17:15
	#44 Sukhothai's ceramic figurines from Klang Aow shipwreck, Thailand; Ideas, functions and its' roles <i>Khongkamon Rattapat</i>	17:15-17:30
	Discussion	17:30-17:45
	<b>Opening Dinner (pre-registered participants only)</b> Venue: Ramada Plaza Chungjang Hotel 369, Cheonbyeonu-ro, Dong-gu, Gwangju (10 to 15 min walk from ACC)	18:00-20:00

Weds, Nov. 15th	<b>Registration</b>	09:00-09:30
	<b>Keynote Talk Closing ceremony (Conference Hall)</b> <b>Moana Nui Rising: Oceanic Activisms and Futurities</b> <i>Nālani Wilson-Hokowhitu</i> <i>Senior Research Fellow, Ngā Wai a Te Tūi, Māori &amp; Indigenous Research Centre, Aotearoa - New Zealand</i>	09:30-10:30
	<b>Coffee / tea break</b>	10:30-10:45
	<b>Session 16: The significance of Maritime Cultural Landscapes, Seascapes, Islands and Living Heritage</b> <i>Chairs: Bill Jeffery, Hans Van Tilburg, Veronica Walker Vadillo, Sunny Ngirmang</i>	10:45-12:30
	#119 Sea Voyage: the evolving maritime cultural landscape of American Samoa <i>Hans Van Tilburg</i>	10:45-11:00
	#120 A history and archaeology of tuna fishing in the Federated States of Micronesia <i>Bill Jeffery</i>	11:00-11:15
	#122 At home in our sea of islands: the archaeology of boundless oceans. <i>Veronica Walker Vadillo, Kristin Ilves</i>	11:15-11:30
	#123 La Baleinier Below: A wooden whaling vessel sunk in the waters of Guam	11:30-11:45

Weds, Nov. 15th	<i>Ryan Bradley, Jason Raupp, Jeremy Borrelli</i>	
	#124 The Sacred Stone Weirs of Fiji <i>Elia Nakoro and Rick Green</i>	11:45-12:00
	Discussion	12:00-12:15
	**Early Break**	12:15-12:30
	Lunch	12:30-13:30
	<b>Session 19: Database, monitoring, non-intrusive documentation techniques and new technologies applied to underwater cultural heritage</b> <i>Chairs: Felipe Cerezo Andreo, Andy Viduka &amp; Martijn Manders</i>	13:30-15:00
	#133 Non-intrusive monitoring of underwater cultural heritage by the public - Gathering Information via Recreational and Technical (GIRT) Scientific Divers <i>Andy Viduka ONLINE</i>	13:30-13:45
	#134 Development of Small Autonomous Surface Vehicle Design for Underwater Cultural Heritage <i>Jun Seok</i>	13:45-14:00
	#135 Joint airborne and shipborne geophysical surveys to inspect the submerged archaeological sites: The Taijiang Waters in Taiwan <i>Liwen Chen et al.</i>	14:00-14:15
	#136 Dynamic monitoring technology during dehydration of waterlogged wooden cultural relics <i>Jiajun Wang ONLINE</i>	14:15-14:30
	#137 National Shipwreck Database of Sri Lanka: A non-intrusive documentation of maritime heritage in Sri Lankan Waters <i>Anuradha Piyadasa et al.</i>	14:30-14:45
	Discussion	14:45-15:00
	**Early Break**	15:00-15:15
	Coffee / tea break	15:15-15:30
	<b>Session 19: Database, monitoring, non-intrusive documentation techniques and new technologies applied to underwater cultural heritage</b> <i>Chairs: Felipe Cerezo Andreo, Andy Viduka &amp; Martijn Manders</i>	15:30-17:15
	#138 The Herakles project: Towards a minimum intervention methodology for the study of Underwater Cultural Heritage in harbour complex spaces	15:30-15:45

	<i>Felipe Cerezo Andreo et al.</i>	
	#139 Geophysical techniques for non-intrusive documentation of UCH: comparative analysis of the methodology developed in different study areas at various depths <i>Soledad Solana Rubio et al.</i>	15:45-16:00
	#143 Exploration-Based Archaeology Guided by Community-Driven Research: NOAA Ocean Exploration in the Pacific FY24-26 <i>Philip A. Hartmeyer et al.</i>	16:00-16:15
	Discussion	16:15-16:30
	**Early Break**	16:30-16:45
		16:45-17:00
		17:00-17:15

Thursday, Nov. 16th	Registration & Poster Session	09:00-09:30
		09:30-10:30
	Coffee / tea break	10:30-10:45
	Session 12: The Archaeology of the Manila Galleon at the APCONF: past, present and new interpretations <i>Chairs: Jose Luis Casaban, Roberto Junco &amp; Jun Kimura</i>	10:45-12:30
	#94 The Maritime Cultural Landscape of the Galleon Port of Ticao and the galleon shipwrecks in Ticao Pass <i>Catherine E. Villamor</i>	10:45-11:00
	#95 Developing a zooarchaeological approach to studying the impacts of the Manila Galleon Trade on the landscapes and cultures of the Philippines <i>Joan Quincy Lingao et al.</i>	11:00-11:15
	#96 Revisiting: The Archaeology of Manila Galleons a decade later <i>Roberto Junco</i>	11:15-11:30
	#97 The Manila Galleons Historical and Archaeological Database Research Project (1565-1815) <i>Jose Casaban and Jun Kimura</i>	11:30-11:45



Thursday, Nov. 16th	Discussion	11:45-12:00
	**Early Break**	12:00-12:15
		12:15-12:30
	Lunch	12:30-13:30
	<b>Session 6: Lashed-lug boats: Emerging research from Southeast Asia and the Pacific</b> <i>Chairs: Ligaya Lacsina, Agni Mochtar &amp; Pierre-Yves Manguin</i>	13:30-15:00
	#45 Discussion on the Traces of an Early Phase Lashed-Lug Boats of Southeast Asia <i>Napat Piromrak</i>	13:30-13:45
	#51 The Chau Tan Shipwrecks Lashings and Knots <i>Ian McCann</i> ONLINE	13:45-14:00
	#47 The experimental reconstructions of the Punjulharjo boat: New insights for understanding the lashed-lug boatbuilding techniques. <i>Chiara Zazzaro, Agni Mochtar and Luigi Ombrato</i> ONLINE	14:00-14:15
	#49 The Early Ninth-Century 'Ban Khlong Yuan' Lashed-Lug Boat of Chaiya, Peninsular Thailand: comparisons, contrasts and capabilities <i>Wongsakorn Rahothan, Tom Vosmer</i>	14:15-14:30
	#50 A lashed-lug vessel from the Solomon Islands in the collection of the Canterbury Museum, Christchurch, New Zealand. <i>Paul Clark</i>	14:30-14:45
	Discussion	14:45-15:00
	**Early Break**	15:00-15:15
		15:15-15:30
	Coffee / tea break	15:30-15:45
	<b>Session 6: Lashed-lug boats: Emerging research from Southeast Asia and the Pacific</b> <i>Chairs: Ligaya Lacsina, Agni Mochtar &amp; Pierre-Yves Manguin</i>	15:45-17:15
	#48 Lashing the loose planks: Making sense of the understudied "new" lashed-lug sites in Sumatra, Indonesia. <i>Agni Mochtar</i>	15:45-16:00
	#46 Regional identity & local variety: Plank Fastening Techniques in Lashed-lug Boatbuilding of Southeast Asia <i>Ligaya Lacsina and Abhirada Pook Komoot</i>	16:00-16:15

	#52 “Winged” stem and stern in Southeast Asian lashed-lug vessels: from ethnography to archaeology <i>Pierre-Yves Manguin</i> ONLINE	16:15-16:30
	Discussion	16:30-16:45
	<b>**Early Finish**</b>	16:45-17:00

Friday, Nov. 17th	<b>Registration</b>	<b>09:00-9:30</b>
	<b>**Late Start**</b>	<b>09:30-10:45</b>
	<b>Session 3. Decade of Action, the call for Oceans’ Past to Bridge our communities</b> <i>Chair: Abhirada Komoot</i>	09:30-09:45
	#19 We Need to Listen and Watch! Indigenous Knowledge of Living in Concert with the Sea <i>Abhirada Pook Komoot</i>	09:45-10:00
	#20 Rethinking the Relations between the Sea and Humans through an Anthropological Study of Wooden Boatbuilding in Indonesia <i>Tsukiko Myojo</i>	10:00-10:15
	#21 A Phenomenology of Oceanscape: Aquatic Lifeworlds and Sustainability <i>Anja Krieger</i> ONLINE	10:15-10:30
	Discussion	10:30-10:45
	<b>Coffee / tea break</b>	<b>10:45-11:00</b>
	<b>Session 3. Decade of Action, the call for Oceans’ Past to Bridge our communities</b> <i>Chair: Abhirada Komoot</i>	<b>11:00-12:15</b>
	#22 Hoa Lu - The 10th Century Capital of Vietnam - An Abandoned City by the Sea <i>Vo Thi Phuong Thuy</i>	11:00-11:15
	#23 Maritime and underwater cultural heritage’s contribution to a sustainable UN Ocean Decade <i>Athena Trakadas</i>	11:15-11:30
	#24 Identifying Singapore’s Maritime Cultural Landscape <i>Michael Ng Jian Cheng</i> ONLINE	11:30-11:45
	Discussion	11:45-12:00
	<b>**Early Break**</b>	<b>12:00-12:15</b>

	Lunch	12:15-13:15
	<b>Closing ceremony (Conference Hall)</b> <ul style="list-style-type: none"> <li>• Best Student Paper award, Best Senior Paper award &amp; Acknowledgements</li> <li>• <b>Presentation of APConf 6</b> by Dr. I Nyoman Radiarta, S.Pi., M.Sc., Chairman, Agency for Marine and Fisheries Extension and Human Resources Development, Ministry of Marine Affairs and Fisheries, Republic of Indonesia</li> <li>• Closing remarks</li> </ul>	13:15-14:15
	<b>Closing Dinner (pre-registered participants only)</b> <ul style="list-style-type: none"> <li>- Venue: Lafesta Banquet Hall (15min, 4 stops from ACC subway station)</li> <li>- Arrival: 17:30-18:00</li> <li>- Korean traditional celebration performance: 18:10-18:40 (30min)</li> <li>- Final ceremony: 18:50-19:10</li> <li>- Dinner: 19:10-21:00</li> </ul>	18:30-20:00

Lecture Room 1 (Max. capacity 25)		
Tuesday, Nov. 14th	Coffee / tea break	15:00-15:15
	<b>Session 13: Major Threats to Underwater Cultural Heritage and its environment</b> <i>Chairs: Ole Varmer, Elena Perez-Alvaro</i>	<b>15:15-16:45</b>
	#104 Threat to Underwater Cultural Heritage from Deep Seabed Mining <i>Maria Pena Ermida, Mariano Aznar and Ole Varmer</i>	15:15-15:30
	#100 Bottom Trawling and the Damage to Underwater Cultural Heritage: An Overview of the Destruction and Possible Steps Forward <i>Charlotte Jarvis</i>	15:30-15:45
	#101 Impact Assessment of Current and Future Sea-Level Rises on Coastal and Underwater Archaeological Sites in Indonesia <i>Ulung J. Wishu, Wisnu A. Gemilang, and Nia N. H. Ridwan</i>	15:45-16:00
	#102 Challenges to Underwater Cultural Heritage in Offshore Wind Energy Development <i>Bert Ho</i>	16:00-16:15
	Discussion	16:15-16:30
	Coffee / tea break	<b>16:30-16:45</b>
	<b>Session 13: Major Threats to Underwater Cultural Heritage and its environment</b> <i>Chairs: Ole Varmer, Elena Perez-Alvaro</i>	<b>16:45-17:45</b>
	#103 Decommissioning Offshore Structures: A Threat or an Underwater Cultural Heritage Opportunity <i>Elena Perez-Alvaro and James Delgado</i>	16:45-17:00
	#98 Assessing Potentially Polluting Wrecks in US Waters <i>Michael L. Brennan</i>	17:00-17:15
	#105 Potential Climate Change Threats to Maritime Archaeological Resources <i>Sirine Saad El-Dine Ghiye</i>	17:15-17:30
	Discussion	17:30-17:45
	<b>Opening Dinner (pre-registered participants only)</b> Venue: Ramada Plaza Chungjang Hotel, 369, Cheonbyeonu-ro, Dong-gu, Gwangju (10 min walk from ACC)	<b>18:00-20:00</b>

Weds., Nov. 15th	Registration	09:00-09:30
	Keynote Talk Closing ceremony (Conference Hall) Moana Nui Rising: Oceanic Activisms and Futurities <i>Nālani Wilson-Hokowhitu</i> <i>Senior Research Fellow, Ngā Wai a Te Tūi, Māori &amp; Indigenous Research Centre, Aotearoa - New Zealand</i>	09:30-10:30
	Coffee / tea break	10:30-10:45
	Session 24: Recovering dispersed and salvaged legacy collections of UCH in Southeast Asia <i>Chairs: Martin Polkinghorne, Wendy Van Duivenvoorde, Nia Naelul Hasanah Ridwan, Natali Pearson, Mark Staniforth</i>	10:45-12:30
	#172 Reuniting orphaned cargoes: Underwater Cultural Heritage of the Maritime Silk Route <i>Martin Polkinghorne et al.</i>	10:45-11:00
	#173 Batavia or Batavian Ware in the Michael Abbott Collection of Trade Ceramics. <i>Mark Staniforth et al. ONLINE</i>	11:00-11:15
	#174 The social history of artefacts and the law in Southeast Asia <i>Craig Forrest</i>	11:15-11:30
	#175 Take it or leave it: The life of commercially salvaged cargoes in Indonesia <i>Zainab Tahir et al.</i>	11:30-11:45
	#176 Making Sense of a Partial Cargo: Insights from the Java Sea Shipwreck Collection <i>Lisa Niziolek et al. ONLINE</i>	11:45-12:00
	#146 Delivering scientific diver training for underwater archaeology: international best practice and a micro-credential case study <i>Hiro Yoshida et al. ONLINE</i>	12:00-12:15
	Discussion	12:15-12:30
	Lunch	12:30-13:30
	Session 22: Underwater Cultural Heritage and Maritime Museums <i>Chair: Dr Vishi Upadhyay</i>	13:30-15:00

Weds., Nov. 15th	#155 Proposed The New Models Of Underwater Archaeology Museum In Indonesia: Advantages And Challenges <i>Hutomo Putra ONLINE</i>	13:30-13:45
	#156 Maritime Trade between Gujarat and Mesopotamia: The Need for a Reappraisal <i>Janardhana Bora</i>	13:45-14:00
	#157 Digital Reconstruction and Conservation of Maritime Heritage in the Ajanta Murals <i>Shreekant S.Jadhav</i>	14:00-14:15
	#158 'Stapled' boatbuilding tradition of Bengal: a case study on chhot boat <i>Swarup Bhattacharyya</i>	14:15-14:30
	#161 Geospatial study of early historic sites and navigation potentialities at the lower reaches of river Bhima, South India <i>Deepak Pal</i>	14:30-14:45
	#160 From Past to Present, Tradition to Tactical: Visualizing Maritime History of India in National Museum, New Delhi <i>Moumita Dhar</i>	14:45-15:00
	Discussion	15:00-15:15
	Coffee / tea break	15:15-15:30
	<b>Session 22: Underwater Cultural Heritage and Maritime Museums</b> <i>Chair: Dr Vishi Upadhyay</i>	15:30-17:15
	#159 Narrating Boat Tradition of Bengal: A Case Study of Water Transport Gallery, Nehru Museum of Science and Technology, IIT Kharagpur <i>Arnab Hazra and Swarup Bhattacharyya</i>	15:30-15:45
	#162 Underwater Archaeology in India: Initiatives of Archaeological Survey of India <i>Aprajita Sharma ONLINE</i>	15:45-16:00
	#163 The maritime museums and material culture of artisanal Capiz (Placuna placenta) dive fishery in the Philippine archipelago <i>Ma. Arve B. Banez ONLINE</i>	16:00-16:15
	#164 The Boats and Ships in the Indian Paintings: Examining the Commercial and Domestic Aspects in Maritime Activities <i>Vishi Upadhyay</i>	16:15-16:30
	#165 Crossing the rivers and connecting the early settlements: Tracing the lesser-known inland cultural heritage of South India	16:30-16:45

	<i>Arjun Rao</i>	
	#166 Investigating the causes of deterioration and the appropriate conservation treatment method of an excavated wooden schooner found in coastal area of Bangladesh <i>Rokonuzzaman S</i>	16:45-17:00
	Discussion	17:00-17:15

Thursday, Nov. 16th	Registration (Reception Hall) & Poster Session (Lecture Room 2)	09:00-09:30
		09:30-10:30
	Coffee / tea break	10:30-10:45
	Session 11: Sticks, Stones, & Old Fish Bones: The Role and Cultural Heritage of Fish Weir Traditions in the Asia-Pacific Region <i>Chair: Prof Bill Jeffery</i>	10:45-12:30
	#84 How atob came to be - the evolution of stone tidal weirs in the Philippines <i>Cynthia Neri Zayas</i>	10:45-11:00
	#85 The Barragup Munga – A site so well known that there's nothing left to learn? <i>Kevin Edwards and Ian McCann ONLINE</i>	11:00-11:15
	#86 Stone Tidal Weir's Past, Present and Future Regeneration Opportunities Take Taiwan for Example <i>Janet, Tung Ying-Ying</i>	11:15-11:30
	#87 Indigenous People, Traditional Ecological Knowledge, and Climate Change: The Iconic Underwater Cultural Heritage of Stone Tidal Weirs <i>Paul Montgomery, Bill Jeffery</i>	11:30-11:45
	#191 Local Municipal Activities around the Underwater Cultural Heritage of Stone Tidal Weirs in South Korea <i>Yl, Hye-Yeon</i>	11:45-12:00
	Discussion	12:00-12:15
	**Early Break**	12:15-12:30
	Lunch	12:30-13:30
	Session 11: Sticks, Stones, & Old Fish Bones: The Role and Cultural Heritage of Fish Weir Traditions in the Asia-Pacific Region <i>Chair: Prof Bill Jeffery</i>	13:30-15:00

Thursday, Nov. 16th	#88 GIS and hydrological surveys on stone tidal weirs in Xinwu, Taoyuan <i>Zhi-Cheng Huang</i>	13:30-13:45
	#89 Poket Xinwu App game for promotion of the stone tidal weirs cultural heritage and collaboration with local communities in Taiwan <i>Lai, Chen-Min et al.</i>	13:45-14:00
	#90 Fishing Weirs and Galo Mythologies from the foothills of the Eastern Himalayas <i>Bina Gandhi Deori</i>	14:00-14:15
	#91 Bawean Stone-Walled Tidal Fish Weirs: An Archaeological and Dutch Colonial Archival Investigation in Java Sea <i>Dwi Kurnia Sandy</i>	14:15-14:30
	#93 The Technique Record of Repairing Penghu Stone Tidal Weirs <i>Fu-Tzu Yang; Yu-Chi Tseng ONLINE</i>	14:30-14:45
	Discussion	14:45-15:00
	**Early Break**	15:00-15:15
		15:15-15:30
	Coffee / tea break	15:30-15:45
	<b>Session 18: Revisiting the UNESCO Foundation and Advanced Courses for Asia-Pacific: Status, Development, and Challenges</b> <i>Chair: Bobby C. Orillaneda, Nia Naelul Hasanah Ridwan</i>	15:45-17:15
	#128 The Impact of the UNESCO Foundation and Advanced Courses in the Philippines <i>Bobby C. Orillaneda</i>	15:45-16:00
	#129 The Impact on the Development of Maritime Archaeology in Sri Lanka through the UNESCO Regional Maritime Archaeology Field Schools. <i>Wijamunige Chandraratne</i>	16:00-16:15
	#130 Underwater Cultural Heritage and UNESCO's Capacity Building in Asia and the Pacific. <i>Chihiro Nishikawa ONLINE</i>	16:15-16:30
	#132 The significant contribution of UNESCO courses on underwater cultural heritage on research, development, capacity building, and UCH public outreach in Indonesia <i>Nia Naelul Hasanah Ridwan and Zainab Tahir</i>	16:30-16:45
	Discussion	16:45-17:00



	<b>**Early Finish**</b>	17:00-17:15
--	-------------------------	-------------

Friday, Nov. 17th	<b>Registration</b>	<b>09:00-9:30</b>
	<b>Session 15: The Archaeology of Submerged Landscapes and Inland Waters</b> <i>Chair: Shinatria Adhityatama</i>	<b>09:30-10:45</b>
	#110 Lessons from the Inland Seas: A Submerged Landscape Study in the Great Lakes <i>Ashley Lemke ONLINE</i>	09:30-09:45
	#111 A preliminary study into the use of marine magnetometers for the identification of archaeological deposits on submerged landscapes. <i>Justine Buchler</i>	09:45-10:00
	#112 Excavation, conservation, and preservation of the Mt Gambier underwater fossil deposits <i>Julien Louys ONLINE</i>	10:00-10:15
	#113 Searching for the evidence of disaster from the sunken village of Lake Hibara, Japan. <i>Randy Sasaki et al.</i>	10:15-10:30
	#114 Underwater Archaeological Remains in Matano Lake, South of Sulawesi, Indonesia: Evidence of Iron Age Civilization <i>Muslim Dimas Khoiru Dhony</i>	10:30-10:45
	<b>Coffee / tea break</b>	<b>10:45-11:00</b>
	<b>Session 15: The Archaeology of Submerged Landscapes and Inland Waters</b> <i>Chair: Shinatria Adhityatama</i>	<b>11:00-12:15</b>
	#115 Digital methods for understanding and sharing submerged archaeological landscapes <i>John McCarthy</i>	11:00-11:15
	#116 Commercial Submerged Terrestrial Archaeology in Australia: Case Study from Dampier, WA <i>Connor McBrien</i>	11:15-11:30
	#117 A preliminary interpretation of the medieval defensive landscape of the Indus Delta in Sindh, Pakistan <i>Amer Bazl Khan and Heba Hashmi</i>	11:30-11:45
	#118 Recent developments from the submerged cultural landscape of Murujuga Sea Country, Northwest shelf (Dampier Archipelago), Western Australia <i>Jonathan Benjamin</i>	11:45-12:00

Friday, Nov. 17th	Discussion	12:00-12:15
	Lunch	12:15-13:15
	<b>Closing ceremony Closing ceremony (Conference Hall)</b> <ul style="list-style-type: none"> <li>• Best Student Paper award, Best Senior Paper award &amp; Acknowledgements</li> <li>• <b>Presentation of APConf 6</b> by Dr. I Nyoman Radiarta, S.Pi., M.Sc., Chairman, Agency for Marine and Fisheries Extension and Human Resources Development, Ministry of Marine Affairs and Fisheries, Republic of Indonesia</li> <li>• Closing remarks</li> </ul>	13:15-14:45
	<b>Closing Dinner (pre-registered participants only)</b> <ul style="list-style-type: none"> <li>- Venue: Lafesta Banquet Hall (15min, 4 stops from ACC subway station)</li> <li>- Arrival: 17:30-18:00</li> <li>- Korean traditional celebration performance: 18:10-18:40 (30min)</li> <li>- Final ceremony: 18:50-19:10</li> <li>- Dinner: 19:10-21:00</li> </ul>	18:30-20:00

Asia Culture Academy 4 (Max. capacity 50)		
Tuesday, Nov. 14 <sup>th</sup>	Coffee / tea break	15:00-15:15
	<b>Session 10: Comprehension of Traditional Ships in East Asia</b> <i>Chair: Hong Sun Jae</i>	<b>15:15-16:45</b>
	#80 Research on the Restoration of Original Shapes of Shipwrecks in the Early Part of Goryeo Period <i>Kang Won-Chun</i>	15:15-15:30
	#81 Types and Features of Vessels in the Goryeo Period <i>Jeong Hongil</i>	15:30-15:45
	#82 Study on the Structure of Shinan Shipwreck, the Chinese Merchant Ship in the 14 <sup>th</sup> Century <i>Hong, Sun Jae</i>	15:45-16:00
	#83 Vessels in the Middle Ages of East Asia Illustrated in Goryeo Dogyeong <i>Jin Ho Sin</i>	16:00-16:15
	Discussion	16:15-16:30
	Coffee / tea break	16:30-16:45
	<b>Session 14: Conservation Treatment of Underwater Cultural Heritage</b> <i>Chair: Bo-hyun Lee</i>	<b>16:45-17:45</b>
	#106 Research on Corrosion Factors of Iron Artifacts Recovered from the Central Waters of Western Sea, Korea <i>Kim Taekjoon, Lee Hyunji, and Yoo Daeyoung</i>	16:45-17:00
	#107 Research Status of Development of Conservation Treatment of Underwater Cultural Heritage in Korea <i>Bo-hyun</i>	17:00-17:15
	#108 Conserving Ropes from the Phanom-Surin Shipwreck in Thailand: Case Study on Storage and Exhibition at the National Museum of Thailand <i>Natchaya Pattanasuttirat, Kunthida Chimmaraskikadd</i>	17:15-17:30
	Discussion	17:30-17:45
	<b>Opening Dinner (pre-registered participants only)</b> Venue: Ramada Plaza Chungjang Hotel, 369, Cheonbyeonu-ro, Dong-gu, Gwangju (10 min walk from ACC)	<b>18:00-20:00</b>

Weds, Nov. 15 <sup>th</sup>	Registration	09:00-09:30
	Keynote Talk Closing ceremony (Conference Hall) Moana Nui Rising: Oceanic Activisms and Futurities <i>Nālani Wilson-Hokowhitu</i> <i>Senior Research Fellow, Ngā Wai a Te Tūi, Māori &amp; Indigenous Research Centre, Aotearoa - New Zealand</i>	09:30-10:30
	Coffee / tea break	10:30-10:45
	Session 8: Nodes, Networks and Processes: cultural interactions and archaeological perspectives in the Asia-Pacific region <i>Chairs: Wijerathne Bohingamuwa, V. Selvakumar, Kaushik Gangopadhy &amp; Bobby C. Orillaneda</i>	10:45-12:30
	#58 Uncovering the Luso-Asian Sandalwood trade conducted by the Larantuqueiros of Flores Island 1500-1860. <i>Clifford J Pereira</i>	10:45-11:00
	#59 Maritime ritual ruins of Korea <i>Tahk Kyung Baek</i>	11:00-11:15
	#60 Textile manufacture and Trade on the Coromandel Coast <i>SB Darsana, V. Selvakumar and S. Gowrishankar ONLINE</i>	11:15-11:30
	#61 Dimensions of interactions: Bay of Bengal in the wider Asia-Pacific region: Archaeological and historical records from the earliest period till 1500 CE. <i>Kaushik Gangopadhyay</i>	11:30-11:45
	Discussion	11:45-12:00
	**Early Break**	12:00-12:15
		12:15-12:30
	Lunch	12:30-13:30
	Session 8: Nodes, Networks and Processes: cultural interactions and archaeological perspectives in the Asia-Pacific region <i>Chairs: Wijerathne Bohingamuwa, V. Selvakumar, Kaushik Gangopadhy &amp; Bobby C. Orillaneda</i>	13:30-15:00
	#62 Goods and Texts: Creating an archaeological and historical narrative of Sri Lanka's connectivity with Southeast Asia, China, and beyond <i>Wijerathne Bohingamuwa</i>	13:30-13:45

Weds, Nov. 15th	#63 Prehistoric community, Maritime Interaction, and the development of Southeast Asian shipbuilding: Case study from material cultures discovered in Thailand <i>Sira Ploymukda</i>	13:45-14:00
	#64 Gandara, a newly discovered ancient port site on the Southern Coast of Sri Lanka <i>Mahinda Karunaratna et al.</i>	14:00-14:15
	#65 Piecing together the bricks: Building features of the Early Historic port centre Muziris (Pattanam) in the Southwest Coast of India <i>Jaseera C.M, Sreelatha Damodaran and Sarath Chandrababu</i>	14:15-14:30
	#66 Sri Lankan maritime trade relations towards the East <i>Rasika Muthucumarana, T.D.C. Pushpakumara Mamp and Thilina Pallethanna</i>	14:30-14:45
	Discussion	14:45-15:00
	**Early Break**	15:00-15:15
	Coffee / tea break	15:15-15:30
	<b>Session 7: Trade goods in shipwrecks – sources, routes and markets, including glass on the Maritime Silk Road</b> <i>Chairs: Seongsil Kim, Arsenio Nicolas</i>	15:30-17:15
	#53 Trading with an Agent: Shippers, Carriers and Investors involved in the trade of Shinan ship <i>Jinwook Jo</i>	15:30-15:45
	#54 Iron materials from Shipwrecks —the iron as traded goods of Song-Yuan period in China <i>Ishiguro Hisako</i>	15:45-16:00
	#55 The Archaeobotanical Analysis of Flora Samples from the Phanom Surin Shipwreck Site, Central Thailand <i>Pnuch Jumprom ONLINE</i>	16:00-16:15
	#56 The History of Gold Foil Glass and the Maritime Silk Road <i>Seongsil Kim</i>	16:15-16:30
	#57 The ceramic and porcelain collections on shipwreck in Vietnam Sea at History Museum in Ho Chi Minh City (Vietnam): History, Preservation and Promotion. <i>Nguyen Thi Huynh Nhu</i>	16:30-16:45
	Discussion	16:45-17:00
	**Early Break**	17:00-17:15

Thursday, Nov. 16th	Registration (Reception Hall) & Poster Session (Lecture Room 2)	09:00-09:30
		09:30-10:30
	Coffee / tea break	10:30-10:45
	<b>Session 2: The maritime landscapes and underwater cultural heritage of Korea</b> <i>Chair: Yang Soon-seok</i>	10:45-12:30
	#10 Analysis on Anchor Stones Recovered from Western and Southern Coasts of Korea <i>Park Seung Min</i>	10:45-11:00
	#11 Documentation of Underwater Excavations Using Geophysical Equipment <del>— Lee Young-hyun-CANCELLED</del>	11:00-11:15
	#12 Restoration of Shipboard Life in the Goryeo Period <i>Jeong Heon</i>	11:15-11:30
	#13 Underwater Excavations of Waters of Gogunsan Islands, Gunsan <i>Sangjun Park</i>	11:30-11:45
	#14 Research Methodology for Intertidal Zone: Utilization of Drone <i>Choi Dong-won</i>	11:45-12:00
	#15 Research on Artifacts of the Three Kingdoms Period of Korea Recovered from the Western Sea <i>Yang Ki-hong</i>	12:00-12:15
	Discussion	12:15-12:30
	Lunch	12:30-13:30
	<b>Session 2: The maritime landscapes and underwater cultural heritage of Korea</b> <i>Chair: Yang Soon-seok</i>	13:30-15:00
	#16 Excavation Methods and Results of the Underwater Cultural Heritage in Korea <i>Whan Suk Moon</i>	13:30-13:45
	#17 3D Recording of Underwater Sites: The Case of Shinchang-ri, Jeju-do <i>Lee Jeonghee</i>	13:45-14:00
	#18 The Archaeological Type of Sambyeolcho and Maritime route of Korean peninsula in Goryeo <i>Yun Hyeung-won</i>	14:00-14:15
	Discussion	14:15-14:30

Thursday, Nov. 16th	<b>Session 20: Effective Ways to Deliver Maritime and Underwater Cultural Heritage</b> <i>Chair: Jong-kuk Shin</i>	14:30-14:45
	#144 Experience Program of Underwater Cultural Heritage for Disabled Kids at Galleries Yun Bo Rum	14:45-15:00
	#145 Development and Implementation of Underwater Excavation Sites in the Media Display <i>Yuri Choi</i>	15:00-15:15
	#147 Research on the Narrative Display Techniques of Museum of Underwater Archaeology: Focusing on Shipwrecks and Underwater Cultural Heritage <i>Ye-ree Park</i>	15:15-15:30
	<b>Coffee / tea break</b>	15:30-15:45
	<b>Session 20: Effective Ways to Deliver Maritime and Underwater Cultural Heritage</b> <i>Chair: Jong-kuk Shin</i>	15:45-17:15
	#148 A Digital Multi-tool: Using Storymaps for Education and Public Outreach <i>T. Kurt Knoerl</i>	15:45-16:00
	#149 Media Curiosity and Underwater Cultural Heritage <i>Asmaa Basiony Elsayed</i>	16:00-16:15
	#150 The responsible in situ accessibility and promotion of Underwater Cultural Heritage as a strategy for its protection. A discussion based on recent initiatives in the Mediterranean <i>Angelos Manglis, Anastasia Fourkiotou, Dimitra Papadopoulou</i>	16:15-16:30
	Discussion	16:30-16:45
		16:45-17:00
	<b>**Early Finish**</b>	17:00-17:15

Friday, Nov. 17 <sup>th</sup>	<b>Registration</b>	<b>09:00-9:30</b>
	<b>Session 1: History and Current Trends of Underwater Archaeology around East Asia</b> <i>Chair: Akifumi Iwabuchi &amp; Kotaro Yamafune</i>	<b>09:30-10:45</b>
	#1 Stone Tidal Weirs in Hainan Island, PRC <i>Yishi Wang</i>	09:30-09:45
	#2 When History Meets Technology: Preliminary Survey on the Historical Documents of Underwater Cultural Heritage <i>Chiung-Hui Fu, Yu-Chuan Tseng, Shao-Jung Chung</i>	09:45-10:00
	#3 Jōmon Sea: Navigation in the Origins of Japan <i>Daniele Petrella</i>	10:00-10:15
	#4 Variable Longline fishing -- The history and sustainable innovation of a traditional marine ecological knowledge <i>Xu Lu &amp; Yu LongFa (ONLINE)</i>	10:15-10:30
	Discussion	10:30-10:45
	<b>Coffee / tea break</b>	<b>10:45-11:00</b>
	<b>Session 1: History and Current Trends of Underwater Archaeology around East Asia</b> <i>Chair: Akifumi Iwabuchi &amp; Kotaro Yamafune</i>	<b>11:00-12:15</b>
	#5 Development of methods for underwater cultural heritage exploration. —The case of the destroyer Warabi, which sank in the Mihonoseki Incident — <i>Masami Sannoh</i>	11:00-11:15
Friday, Nov. 17 <sup>th</sup>	#6 Ancient sea scape of Japan: Burial mounds as navigation points <i>Tomo Ishimura</i>	11:15-11:30
	#7 New harvest of The Shengbeiyu wreck <i>Liang Guoqing ONLINE</i>	11:30-11:45
	#190 Japanese piracy as a vector of knowledge transfers and technical innovation <i>Damien Peladan</i>	11:45-12:00
	Discussion	12:00-12:15
	<b>Lunch</b>	<b>12:15-13:15</b>
	<b>Closing ceremony Closing ceremony (Conference Hall)</b>	13:15-14:15
	<ul style="list-style-type: none"> <li>Best Student Paper award, Best Senior Paper award &amp; Acknowledgements</li> </ul>	



	<ul style="list-style-type: none"> <li>• <b>Presentation of APConf 6</b> by Dr. I Nyoman Radiarta, S.Pi., M.Sc., Chairman, Agency for Marine and Fisheries Extension and Human Resources Development, Ministry of Marine Affairs and Fisheries, Republic of Indonesia</li> <li>• Closing remarks</li> </ul>	
	<p style="text-align: center;"><b>Closing Dinner (pre-registered participants only)</b></p> <ul style="list-style-type: none"> <li>- Venue: Lafesta Banquet Hall (15min, 4 stops from ACC subway station)</li> <li>- Arrival: 17:30-18:00</li> <li>- Korean traditional celebration performance: 18:10-18:40 (30min)</li> <li>- Final ceremony: 18:50-19:10 - Dinner: 19:10-21:00</li> </ul>	<b>18:30-20:00</b>

Asia Culture Academy 5 (Max. capacity 50)		
Tuesday, Nov. 14th	Coffee / tea break	15:00-15:15
	<b>Session 21: New Technologies and Interdisciplinary Strategies for the Promotion and Protection of Maritime Cultural Heritage</b> <i>Chairs: Panos Tzouvaras, Dimitrios Karampas</i>	15:15-16:45
	#151 Satellite-derived bathymetry and rock detection for maritime archaeology using VENμS imagery <i>Gerardo Diaz</i>	15:15-15:30
	#152 Navigation, boating and underwater archeology in ancient Iran based on coins and seals <i>Zohreh Baseri</i>	15:30-15:45
	#153 The application of photogrammetry for recording Indonesian vernacular and historical boats and boat miniatures in museum collections <i>Ahmad Ginanjar Purnawibawa, Chiara Zazzaro, Agni Mochtar (ONLINE)</i>	15:45-16:00
	#154 The Potency of Maritime Archaeology (Shipwreck Sites) for Sustainable Marine Tourism Management and Strengthening Historical Narrations in Tidore, North Moluccas, Indonesia <i>Wisnu A. Gemilang, Nia N. H. Ridwan, Guntur A. Rahmawan &amp; Ulung J. Wisha</i>	16:00-16:15
	Discussion	16:15-16:30
	Coffee / tea break	16:30-16:45
	<b>Session 17 : The 2001 Convention: from ‘constructive ambiguities’ to ‘destructive misunderstandings’</b> <i>Chair: Professor Mariano Aznar</i>	16:45-17:45
	#125 Analysis of UNESCO Best Practices of Underwater Cultural Heritage from the perspective of marine sustainable development and challenges in 2022 New Chinese UCH Regulations <i>Liu Lina</i>	16:45-17:00
	#126 Motivating and enabling Pacific States to ratify the 2001 Convention <i>Ellen Lekka, Craig Forrest</i>	17:00-17:15
	#127 The Next Step of Underwater Cultural Heritage Preservation in Taiwan: A Legal Aspect <i>Wen-Yan Chiau</i>	17:15-17:30
	Discussion	17:30-17:45

	<b>Opening Dinner (pre-registered participants only)</b> Venue: Ramada Plaza Chungjang Hotel, 369, Cheonbyeonu-ro, Dong-gu, Gwangju (10 min walk from ACC)	<b>18:00-20:00</b>
--	---	--------------------

Weds, Nov. 15th	<b>Registration</b>	<b>09:00-09:30</b>
	<b>Keynote Talk Closing ceremony (Conference Hall):</b> <b>Moana Nui Rising: Oceanic Activisms and Futurities</b> <i>Nālani Wilson-Hokowhitu</i> <i>Senior Research Fellow, Ngā Wai a Te Tūi, Māori &amp; Indigenous Research Centre, Aotearoa - New Zealand</i>	<b>09:30-10:30</b>
	<b>Coffee / tea break</b>	<b>10:30-10:45</b>
	<b>Session 9: Underwater cultural heritage of the Indian Ocean Region</b> <i>Chairs: Sila Tripathi, Brian Fahy</i>	<b>10:45-12:30</b>
	#68 <del>Effects of Tectonic Activity and Sea Level Changes on the Viability of Ancient Sea Ports: Case Studies from East Coast, South India</del> <del>— K.P.Rao CANCELLED</del>	10:45-11:00
	#69 Ports and Trade Networks of the Tamiraparani Delta of Tamil Nadu <i>V. Selvakumar</i>	11:00-11:15
	#70 Mauritius Maritime Heritage through GIS Mapping of Wrecks for Environmental Impact Assessment. <i>Stefania Manfio</i>	11:15-11:30
	#71 The vernacular boats and the indigenous communities in historical context on the Majuli Island, Assam <i>Debasish Dey, Bina Gandhi Deori</i>	11:30-11:45
	#73 Underwater cultural heritage of India, status quo and prospects <i>Sila Tripathi (ONLINE)</i>	11:45-12:00
	Discussion	12:00-12:15
	<b>**Early Break**</b>	12:15-12:30
	<b>Lunch</b>	<b>12:30-13:30</b>
	<b>Session 9: Underwater cultural heritage of the Indian Ocean Region</b> <i>Chairs: Sila Tripathi</i>	<b>13:30-15:00</b>

Weds, Nov. 15th	#74 Integrating Marine Cultural Heritage into Marine Spatial Planning for SIDS: an Indian Ocean case focused on Mauritius <i>Krish Seetah et al.</i>	13:30-13:45
	#75 Ships which were sunken in east coast during British era. <i>Jinali Ekanayake et al.</i>	13:45-14:00
	#76 Ancient Mediterranean, Red Sea and Afro-Asia links across the Western Indian Seaboard: Recent Underwater Discoveries in Mafia Archipelago, Central coast of Tanzania <i>Caesar Bita</i>	14:00-14:15
	#77 Revisiting the Gulf of Khambhat, west coast of India <i>Mukesh Sharma and Dipanjali Devi</i>	14:15-14:30
	#78 Exploring Maritime Silk Route: A study on the east coast of India <i>Sunil Kumar Patnaik</i> ONLINE	14:30-14:45
	#79 Research on maritime trade between Iran and China: a case study the historical port of Najiroum, the northern shores of the Persian Gulf <i>Hossein Tofghian</i> ONLINE	14:45-15:00
	Discussion	15:00-15:15
	Coffee / tea break	15:15-15:30
	<b>Session 23: Collections-based Research</b> <i>Chair: Dr Jennifer Craig</i>	15:30-17:15
	#167 15th century carnelian bead cargo of the Indian Ocean World <i>Jennifer Craig</i>	15:30-15:45
	#168 Preliminary analysis of the early handheld guns recovered from shipwrecks plying the seas of the pre-colonial Philippines, c.1400 – c.1600 <i>Nero M Austero, BC Orillaneda, LM Neri</i>	15:45-16:00
	#169 Pottery collection of Cu Lao Cham shipwreck (Hoi An, Quang Nam): Introduction to the maritime trade networks of Vietnam in the 15th-16th centuries <i>Phạm Ngọc Uyên</i> ONLINE	16:00-16:15
	#170 Contemporary Maritime Graffiti in Bandar-i Kong: key to comprehend the ancient graffiti?!	16:15-16:30
	#171 Early Modern Japanese Whaling: An Iconographic Study <i>Michelle Damian</i>	16:30-16:45

	Discussion	16:45-17:00
	<b>**Early Break**</b>	17:00-17:15

Thursday, Nov. 16th	Registration (Reception Hall) & Poster Session (Lecture Room 2)	09:00-09:30
		09:30-10:30
	Coffee / tea break	10:30-10:45
	Session 25: Environmental implications of underwater cultural heritage degradation and the conservation of marine ecosystems <i>Chair: Dr. Bishnu Pada Bose</i>	10:45-12:30
	#177 Synergetic management strategy towards sustainable use of the ocean resources and enhance the blue economy <i>Bishnu Pada Bose</i>	10:45-11:00
	#178 Conservation of Marine cultural heritage and associated tribes of Balochistan <i>Tajammal Abbas Rai</i>	11:00-11:15
	#179 Symbiosis: biodiversity surveys on archaeological shipwreck sites, managing for a better future <i>Vishmi Gunasinghe et al.</i>	11:15-11:30
	#180 The Submersion of Heritage Caused by Human Cause Permanent Damage and Destruction to Cultural Heritage <i>Zhang Yue ONLINE</i>	11:30-11:45
	#181 The Fates of Hepingdao and Dashawan: Environmental challenges of coastal archaeological sites in northern Taiwan <i>Ellen Hsieh</i>	11:45-12:00
	Discussion	12:00-12:15
	<b>**Early Break**</b>	12:15-12:30
	Lunch	12:30-13:30

Thursday, Nov. 16th	<b>Session 4: Underwater Cultural Heritage of World War II in the Asia-Pacific Region: Discoveries, Opportunities &amp; Challenges</b> <i>Chair: Dr Alexis Catsambis</i>	13:30-15:00
	#25 Archaeology and Anthropology of World War II Japanese Aircraft in Australia: The Case Study of Hajime Toyoshima's Zero <i>Hiroshi Ishii</i>	13:30-13:45
	#26 The Jaluit Atoll TBD-1 Devastators: Archaeological Analysis and Preservation Assessment of a WWII Site <i>Peter D. Fix and Russell E. Matthews</i>	13:45-14:00
	#27 Discovery of the USS Albacore (SS-218) <i>Ivor Mollema et al.</i>	14:00-14:15
	#28 Submerged Battlefield: Examining the Status and Challenges of World War II Shipwreck Management in the Philippines <i>Rachelle Anne Geline P. Ureta and Bobby C. Orillaneda</i>	14:15-14:30
	#30 Capacity Building in the Time of COVID-19: The case of HMAS Perth (I) <i>Natali Pearson</i>	14:30-14:45
	#31 Examining Underwater Cultural Heritage of World War II around Maui and Lanai through Photogrammetric Modeling <i>Jason T. Raupp, Dominic Bush, Justin Dunnivant</i>	14:45-15:00
	#32 The Galloping Ghost of the Java Coast: Preserving the Story of WWII Heavy Cruiser USS Houston (CA-30) <i>Alexis Catsambis, Jay Thomas</i>	15:00-15:15
	Discussion	15:15-15:30
	<b>Coffee / tea break</b>	15:30-15:45
	<b>Session 4: Underwater Cultural Heritage of World War II in the Asia-Pacific Region: Discoveries, Opportunities &amp; Challenges</b> <i>Chair: Dr Alexis Catsambis</i>	15:45-17:15
	#33 Back from Oblivion - Deep Water Wrecks of World War II - Commemoration and Protection <i>M. Blair Atcheson and Mr. Frank Thompson</i>	15:45-16:00
	#34 The Power of Partnerships: Recent DPAA Partner Field Missions in the Asia-Pacific Region <i>Abigail Bleichner ONLINE</i>	16:00-16:15
	#35 Discovery of the Japanese WWII Super Battleship IJN Musashi in the Sibuyan Sea, Philippines. <i>David L. Mearns</i>	16:15-16:30

	#36 The Montevideo Maru Project and the Australian Army's interest in underwater cultural heritage <i>Mick de Ruyter ONLINE</i>	16:30-16:45
	#37 Interdisciplinary and Community Inclusive Approaches to Submerged WWII Heritage Research in the Pacific <i>Jennifer F. McKinnon et al.</i>	16:45-17:00
	Discussion	17:00-17:15

Friday, Nov. 17th	<b>Registration</b>	<b>09:00-9:30</b>
	<b>Session 26: General session</b> <i>Chair: Carlota Perez-Reverte, Elena Perez Alvaro</i>	<b>09:30-10:45</b>
	#188 Development of New Technology Convergence Contents for the world's first Sea Tomb, the Tomb of Great King Moonmu <i>Jin-hoPark, Si-jung Kim, Sang Gyu Park, Jae Byung park</i>	09:30-09:45
	#185 In-situ preservation of underwater cultural heritage in Taiwan and related issues <i>Jin-Ho Park, Cheng-hwa Tsang and Han-chang Huang</i>	09:45-10:00
	#186 Non-Party State's Experience Implementing the UCH Convention: Taiwan's Perspective <i>Pei-Fu Wu</i>	10:00-10:15
	#189 A study on the analysis of immersive contents based on the Shinan shipwreck <i>Wi Sang-hee, Ahn Hyung-gi</i>	10:15-10:30
	Discussion	10:30-10:45
	<b>Coffee / tea break</b>	<b>10:45-11:00</b>
	<b>Session 26: General session</b> <i>Chair: Carlota Perez-Reverte, Elena Perez Alvaro</i>	<b>11:00-12:15</b>
	#182 Early coins from Kerala: Situating the trade networks with special reference to Pattanam <i>Harisankar B, Dineesh Krishnan</i>	11:00-11:15
Friday, Nov. 17th	#183 Maritime Legacy and Trade Network of Harappans <i>Garima Singh</i>	11:15-11:30
	#184 Religion, Trade and Polity: River Ganga on the Gateway of Bengal <i>Eshan Harit ONLINE</i>	11:30-11:45

	#192 Benthic life and fish composition at historic site of the HMAS Perth's Warship, North Banten Waters, Indonesia <i>Mujiyanto, Y Sugianti, R Rahayu &amp; R.A. Budikusuma (ONLINE)</i>	11:45-12:00
	Discussion	12:00-12:15
	<b>Lunch</b>	<b>12:15-13:15</b>
	<b>Closing ceremony Closing ceremony (Conference Hall)</b> <ul style="list-style-type: none"> <li>• Best Student Paper award, Best Senior Paper award &amp; Acknowledgements</li> <li>• <b>Presentation of APConf 6</b> by Dr. I Nyoman Radiarta, S.Pi., M.Sc., Chairman, Agency for Marine and Fisheries Extension and Human Resources Development, Ministry of Marine Affairs and Fisheries, Republic of Indonesia</li> <li>• Closing remarks</li> </ul>	13:15-14:15
	<b>Closing Dinner (pre-registered participants only)</b> <ul style="list-style-type: none"> <li>- Venue: Lafesta Banquet Hall (15min, 4 stops from ACC subway station)</li> <li>- Arrival: 17:30-18:00</li> <li>- Korean traditional celebration performance: 18:10-18:40 (30min)</li> <li>- Final ceremony: 18:50-19:10</li> <li>- Dinner: 19:10-21:00</li> </ul>	18:30-20:00