



## Working Programme

**Sunday, 26 September**

**Murter on the island of Murter**

**Lateen Sail Regatta (transfer from Zadar at 11:00)**

**Monday, 27 September**

**University of Zadar**

- |               |                                  |
|---------------|----------------------------------|
| 8:00 – 9:00   | Registration of the participants |
| 9:00 – 9:30   | <b>Welcome Speeches</b>          |
| 9:30 – 10:30  | <b>Keynote talks</b>             |
| 10:30 – 11:00 | Coffee break                     |
| 11:00 – 12:30 | <b>Session 1 – Main theme I</b>  |
- Pat Tanner, *The significance of archaeological source data*
  - Aoife Daly, Alicia Van Ham-Meert, Paloma Fernandez Diaz-Maroto, *New analytical methods for ship timber provenance analysis – win some, lose some*

- Marta Domínguez Delmás, Sara Rich, Nigel Nayling, *Dendroarchaeology of shipwrecks in the Iberian Peninsula: 10 years of research and advances*
- Nigel Nayling, *Tradition and Revolution? A Personal Reflection*
- Mateusz Polakowski, Pat Tanner, Giulia Boetto, Vincent Dumas, Pierre Poveda, Henri Bernard-Maugiron, Gilles Chauma, *Past and Present of the Marsala Punic Ship: From construction to exhibition*

12:30 – 14:30                      Lunch

14:30 – 16:00                      Session 2 – Main theme II

- Rafik Khellaf, *Shipbuilding among Muslim Arabs: contribution of sources*
- Mauro Bondioli, Mariangela Nicolardi, Irena Radić Rossi, *Historical Written Sources on Shipbuilding and the Archaeological Study of a Mediterranean Post-Medieval Shipwreck: the Gagliana grossa case study*
- Wouter Waldus, *17<sup>th</sup> century turf shipping in the Dutch Zuyderzee area: historical maritime archaeology*
- Julie Satchell, *The potential of digitised historic archives for the interpretation of shipwrecks: Examining the Flower of Ugie, wrecked 1852*
- Andri Evripidou, Stella Demesticha, *Visualizing shipbuilding features through textual evidence: the case of the 19th century Aegean brigs*

16:00 – 16:30                      Coffee break

16:30 – 18:15                      Session 3 – Main theme III

- David Gal, Hadas Saaroni, Deborah Cvikel, *A New Method for Examining Maritime Mobility on Routes with Contrary Prevailing Winds in Antiquity*
- Smiljko Rudan, Šimun Sviličić, Albert Zamarin, Davor Bolf, Irena Radić Rossi, *Numerical modelling of flooding of an ancient ship*
- Nathan Helfman, *The keelson: An engineering-archaeological analysis of a milestone in medieval maritime architecture*
- John McCarthy, *Ship Shapes: Digitising Historic Ship Model*
- Mick de Ruyter, Enrique Aragon, John McCarthy, *Finding lost dhows in Qatar: Re-imagining the al Jassasiya petroglyphs*
- Fredrik Leijonhufvud, *Developing a craft perspective on the interpretation and reconstruction of boats*

19:30                                      Museum of Ancient Glass:

- Opening of the exhibition *Traditional boats of the Eastern Adriatic*, boat models by Luciano Keber

- Guided visit to the Museum of Ancient Glass

## Tuesday, 28 September

National theatre of Zadar / University of Zadar

9:00 – 10:30

### Session 4 – Ship construction I

- Ekaterina Kashina, Aleksandr Shutikhun, Aleksandr Okorokov, Evgeniy Gak, *Visible and invisible water transport components of the East European Plain and the Trans-Urals in Prehistory*
- Timm Weski, *A Bronze Age Logboat from the Starnberger See near the Roseninsel, Bavaria, Germany*
- Terje Planke, Svein Erik Øya, *Reconstructing the pattern of Iron Age- and vernacular boats*
- Stella Demesticha, Carlos de Juan, *The Mazotos Shipwreck: preliminary results of the hull investigation*

10:30 – 11:00

Coffee break

11:00 – 12:30

### Session 5 – Ship construction II

- Emmanuel Nantet, *The Caesarea Shipwreck: The Remains of a Large Early Imperial Ship in the Eastern Mediterranean*
- Duška Romanović, Katarina Batur, Irena Radić Rossi, Michael Murray, *Reinterpretation of the third sewn boat from the ancient port of Zaton in the vicinity of ancient Nin (Aenona), Croatia*
- Massimo Capulli, *The columns shipwreck of Kamarina (II AD). New data from the Kaukana project (Sicily)*
- Maayan Cohen and Deborah Cvikel, *New Insights into the Ma'agan Mikhael B Shipwreck, Israel*

12:30 – 14:30

Lunch

14:30 – 16:00

### Session 6 – Ship construction III

- Jeroen Vermeersch, *Ships and shipping in medieval Flanders, the case of Hulst*
- Staffan von Arbin, *A 13<sup>th</sup>-century shipwreck with 'cog' features, investigated off Skeppstad, western Sweden*
- Morten Ravn, *A 14<sup>th</sup>-century Boat-Find from Vordingborg Castle, Denmark*

- Niklas Eriksson, *The late medieval Bellevue Ship – new findings concerning the oldest wreck in Dalarö harbour, Stockholm Archipelago*

16:00 – 16:30 Coffee break

16:30 – 18:00 **Session 7 – Ship construction IV**

- Mike Belasus, Jens Auer, Konstantinos Alexiou, *The Jasmund 7 ‘Mukran’ wreck. A mid-16th century carvel built ship off the Island of Rügen, North Germany*
- Thijs Coenen, Alice Overmeer, Heidi Vink, *An early lapstrake-and-carvel ship fragment from Terschelling, the Netherlands*
- Sarah Fawsitt, Marja-Liisa Petrelius Grue, Hilde Vangstad, *Bispevika 8 – Homemade? An early 16th century carvel ship found in Oslo harbour*
- Fred Hocker, *Taking a palace to sea: the great cabin on Vasa (1628)*

18:30 Guided visit to the Forum and the Archaeological Museum

## Wednesday, 29 September

### Šibenik

8:00 – 9:30 Bus transfer from Zadar to Šibenik

10:00 – 11:30 **Session 8 – Ship construction V**

- José L. Casabán, Irena Radić Rossi, *Recording, analysis, and interpretation of the hull remains of Santo Hieronimo (1576), a vessel from the merchant fleet of the Maritime Republic of Ragusa*
- Ligaya Lacsina, Sheldon Clyde B. Jago-on, Bobby Orillaneda, Jose Casabán, Jun Kimura, *Spanish shipbuilding in the Philippines during the 16th and 17th centuries: The re-evaluation of the hull remains of San Diego (1600) and Nuestra Señora de la Vida (1621)*
- Kroum Batchvarov, *Ottoman ships of the Black Sea*
- Dragomir Garbov, *A nearly intact bombarde from the Western Black Sea*
- José Manuel Matés Luque, *Yesterday’s watercraft, tomorrow’s watercraft. Recording the 20th century timber watercraft abandoned on the riverbanks of the Basque intertidal estuaries*

11:30 – 12:00                      Coffe break

12:00 – 13:45                      **Session 9 – Inland navigation**

- Mario Mineo, Niccolò Mazzucco, Laura Caruso, Gerard Remolins, Juan F. Gibaja, *Dugout canoes and maritime technology at the Neolithic site of 'La Marmotta' (Italy). A Proxy for Understanding the Spread of the First Farming Communities in the Mediterranean Basin*
- Wojciech Borkowski, Michal Grabowski, Waldemar Ossowski, *Ship from Czersk. Excavation of the large Vistula River vessel from Medieval Times*
- Petr Sorokin, *Cargo ship from Lake Onega and the Late Medieval shipbuilding tradition in Northern Russia*
- Dmitry Kobaliia, *Shipwreck complex Bakay 1 in Southern Ukraine*
- Tomasz Bednarz, *Shipwrecks of flat-bottom vessels used in local transport in the Gulf of Gdańsk from the 16th to the 19th century*
- Robert Domzal, *Boats from the Silesian coal mine*

13:45 – 15:30                      Lunch

15:30 – 18:00                      **Visit to the Municipal Museum of Šibenik and the fortresses**

18:30 – 20:00                      Bus transfer from Šibenik to Zadar

## Thursday, 30 September

National theatre of Zadar / University of Zadar

9:00 – 10:45                      **Session 10 – Recent discoveries I**

- Alberto Bravo-Morata Rodríguez, Timmy Gambin, *The Phoenician Shipwreck off Xlendi Bay, Gozo – initial observations, size and shipbuilding technologies used*
- Franck Goddio, Alexander Belov, David Honoré, *Shipwreck 5 from Thonis-Heracleion, Egypt*

- Igor Miholjek, Pavle Dugonjić, Giulia Boetto, Anton Divić, Vincent Dumas, Pierre Poveda, Ivan Vidulić, *The Late Hellenistic shipwreck from the Bay of Paržine, island of Ilovik (Kvarner, Croatia)*
- Klaudia Bartolić Sirotić, Gaetano Benčić, Giulia Boetto, Anton Divić, Ida Koncani Uhač, Davor Munda, Marko Uhač, *A newly-discovered Roman sewn boat from Poreč, Istria (Croatia)*
- Irena Radić Rossi, Katarina Batur, David G. Ruff, *Second scuttled ship of Trstenik, Kaštel Sućurac, Croatia*

10:45 – 11:15                      Coffee break

11:15 – 12:45                      Session 11 – Recent discoveries II

- Ilija Danković, Anton Divić, Goran Stojić, Ljubomir Jevtović, *A preliminary report on newly discovered fluvial vessels from Kostolac, Serbia*
- Laurent Grimbart and Marc Guyon, *Villenave-d'Ornon (Gironde, France) - A shipwreck from the early Middle Ages*
- Maili Roio, *The Peeter wreck as an example of exchange and interaction in the Middle Ages*
- Alessandro Ghidoni, *Metal fastenings in the western Indian Ocean during the medieval period: New data from the Islamic site of al-Balid (10th–16th centuries), Oman*

12:45 – 14:30                      Lunch

14:30 – 16:00                      Session 12 – Recent discoveries III

- José Bettencourt, Patrícia Carvalho, Mónica Ponce, Tiago Nunes, Gonçalo Lopes, Tiago Silva, Inês Amélia, *An extraordinary find? Boa Vista 5, a new early modern ship discovered in Lisbon waterfront (Portugal)*
- Daniel Peter Dalicsek, *The shipwrecks of Gothenburg: Nine wrecks from the Royal Mast Harbour*
- Jim Hansson, *A unique ship wreck found with a unique cargo-of osmund iron*
- Daniel Zwick, *An early 17<sup>th</sup>-century 'half-carvel' construction in the North Frisian Wadden Sea: The Japsand wreckage near Hallig Hooge, Germany*

16:00 – 16:30                      Coffee break

16:30 – 18:00                      Session 13 – Recent discoveries / Reconstruction I

- André van Holk, Alice Overmeer, *Waste disposal in the Netherlands as reflected in shipwrecks of the former Zuiderzee*

- Pierre Poveda, Giulia Boetto, Sergey Olkhovskiy, *The Late Hellenistic military ship of Phanagoria (Taman Pensinsula, Black Sea): newdata for the reconstruction of the ship*
- Elisa Costa, Carlo Beltrame, *Virtual reconstruction of the Roman Shipwreck Grado I from archive and legacy data*
- Anton Divić, Giulia Boetto, Kruno Zubčić, *Digital reconstruction hypothesis of the Roman-era fluvial barge from Kamensko, Croatia*

18:00 – 19:00                      Next ISBSA Discussion

20:30                                  Gala Dinner

## Friday, 1 October

National theatre of Zadar / University of Zadar

9:00 – 10:30                      Session 14 – Reconstruction II

- Julian Whitewright, *The Sutton Hoo Ship Reconstruction: Recording the Reconstruction*
- Jens Auer, Massimiliano Ditta, *Visualising a “Big Ship”. The reconstruction of a 12th century cargo vessel found in the harbour of Wismar*
- Tori Falck, Sven Ahrens, Sarah Fawsitt, Terje Planke, Christian Rodum, Lars Stålegård, Hilde Vangstad, *Reconstructions. Between facts and choices*
- Chiara Zazzaro, Agni Mochtar, Ahmad Ginanjar Purnawibawa, Shinatria Adhityatama, *Toward a Virtual Reconstruction of the Punjulharjo Boat in Rembang, Indonesia: 3D Photogrammetry and Analysis of the Hull*

10:30 – 11:00                      Coffee break

11:00 – 12:30                      Session 15 – Iconography

- Aleydis Van de Moortel, *The Adoption of the Sail in the Early Bronze Age Aegean (ca. 2500/2400 – 2200/2150 BCE) and its Impact on Later Minoan, Aeginetan, and Mycenaean Seafaring*
- Ita Praničević Borovac, *Ship Graffiti of the Eastern Adriatic Coast*
- Aleyxandre Monteiro, Tanya Casimiro, Adolfo Miguel Martins, Filipe Castro, *Ships and Boats in the Lisbon View from Leiden*

- Katarina Dellaporta, *Sailing through Lepanto's history: Reading the Ships of the greatest naval battle of XVIth c. in the Mediterranean from unknown Greek iconography*

12:30 – 14:30                      Lunch

14:30 – 16:30                      **Session 16 – Ethnography**

- Ziad M. Morsy, Mai Ghanem, Sarah Wagdy, *Stuck on the Nile bank: preliminary results on recording and analysis of the last surviving traditional wooden fishing sailboat and its community*
- Lucy Blue, John P. Cooper, Alessandro Ghidoni, *Conceiving shell; conceiving frame: switching and blurring in the building of the ngwanda, Zanzibar, Tanzania*
- John P. Cooper, Alessandro Ghidoni, Chiara Zazzaro, Shadi Kalantar, *Contextualising the 'baggāra', sewn fishing boat of the Persian Gulf coast, Iran*
- Morgan Breene, *Frankenstein's Boat: The Masula-Whaleboat-Lifeboat of Madras*
- Joana Baço, Gonçalo Correia Lopes, *The dugout canoe from São Tomé and Príncipe. The results of an archaeo-anthropological mission*
- Brad Duncan, *Strange Craft in the Murray River - Characterizing the Archaeological Signatures of River Vessel in Australia's Largest River System*

16:30 – 17:00                      Closing Session

19:00                                      Night in the port (carousel of Lateen sail rigged boats)

**List of posters** (in alphabetical order of first author's surname):

- Rita Auriemma, Alessio Calantropiob, Filiberto Chiabrandob, Luigi Colucciaa, *Photogrammetric techniques for 3D underwater record of the Late-Imperial Torre Santa Sabina's shipwreck*
- Karen Balayan, *Traditional sailing boats of the Sevan Lake, Armenia – From archaeology and manuscripts to navigation*
- Manuel Berenguel, Emmanuel Nantet, *Auge's Boat on the Pergamon Telephos Frieze: A Rare Representation of a Shipyard from the Hellenistic Period*
- Hélène Botcazou, *Boats of Corsica: a study of several maritime Ex-Voto*
- Geke Burger, Rik Lettany, *The Scheurrak SO1 Shipwreck in the Maritime Cultural Landscape of the Early Modern Netherlands, 1550-1650*



- Kostas Damianidis, Gelina Harlaftis, Spyros Vosinakis, Eleni Bintsi, Georgios Tzavaras, Vasiliki Nikolakopoulou, Nikolaos Politopoulos, Alexis Tourtas, *3D digital study of the historic ship-model "Aris" from the 19<sup>th</sup> century -VHSS*
- Nesreen El-Galy, *Ancient Egyptian ship & boat models between theory & simulation*
- Timmy Gambin, Alberto Bravo-Morata Rodríguez, *The remote sensing survey off Malta – approaches to the mapping of an island's territorial waters*
- Ana Catarina Garcia, Brígida Baptista, Filipe Vieira de Castro, *Traditional vessels and cargo boats in the context of Tagus river and Lisbon harbor (19th century)*
- Déjla Garmi, Emmanuel Nantet, *The sails of the Lyon Mummy*
- Aya Mohamed Helmy, *Shipyards in Egypt between antiquity, nowadays, and the future*
- Anita Jelić, Mladen Pešić, *Condura Croatica – A Revision of the Structural Drawings*
- Grgo Jerat, Smiljko Rudan, Albert Zamarin, Irena Radić Rossi, *Uncertainty in the reconstruction of the ancient ship hull and its impact on sailing characteristics*
- Michael Jones, *Shipbuilding Costs in the Late Antique and Early Medieval Mediterranean: An Assessment of Evidence from Shipwrecks and Texts*
- Maja Kaleb, *Potkamenica Bay Shipwreck*
- Tea Katunarić Kirjakov, *Using 3D technology for documentation and interpretation of new discovered shipwrecks and underwater sites near by islands of Šćedro and Hvar*
- Maria Ktori, *Paphos harbour and vernacular shipbuilding in Cyprus: proposing a new approach on examining its condition in the Middle Ages (12th-16th century)*
- Paweł Litwinienko, *The digital reconstruction of the P3 wreck hull*
- Yomna Mohamed Awad, Aya Omar, Ahmed Gamal, *Fishing boat in El Max, An historical and Ethnographic study*
- Michael Murray, Duška Romanović, *Experimental results of a low-cost, diver deployed underwater laser scanning system and its efficacy of use on the third Zaton sewn boat compared to photogrammetry in maritime archaeology*
- Constantinos Nicolaou, Stella Demesticha, Kostas Damianidis, Irene Katsouri, Massimiliano Secci, Georgios Tzavaras, Marina Faka, Dante Abate, *Documenting a 20<sup>th</sup> century wooden vessel at risk: the Agios Spyridon project*
- Mariangela Nicolardi, Mauro Bondioli, Irena Radić Rossi, *The Contribution of Historical Sources in the Reconstruction of the Nin 1 Original Hull Form*
- Andrea Podestà, Rita Auriemma, Fernando Zongolo, *The Galea Magna Shipwreck. Archaeological Evidences and Archival Sources of a Venetian War Galley of 1598*
- Mario Radaljic, *St Nikola's Bay on Island Pag*
- Eric Rieth, Marine Sadania, Hervé Alfonsi, *The Sanguinaires C wreck, Corsica : an early 16<sup>th</sup> century clinker ship of Atlantic or Northern origin*
- Graham Scott, Robert MacKintosh, Paolo Croce, Toby Gane, Hefin Meara, *An ROV revolution? Using the new generation of low-cost battery powered ROVs for subsea archaeological work*
- Stefanos Spanos, *Ship representations on Mycenaean pottery. The rare depiction of a shipwreck from Koukounaries on Paros*
- Maik-Jens Springmann, *The paddle wheel steamer FRIEDRICH FRANZ II – one of the first archaeological verifications of a fully iron built ship in the Baltic*

- Dino Taras, Ines Šelendić, *18<sup>th</sup> century wreck in the bay of Sv. Nikola, island of Pag, Croatia*
- Darina Tully, *Reed and Rush Bundle Rafts in Ireland – Ethnographic and Experimental Nautical Archaeology*
- Marko Uhač, *Last Austro-Hungarian Navy Rettungskutter I KI*
- Sarah Wagdy, Ziad Morsy, Mai Ghanem, Yomna Mohamed, *Traditional boats of the Egyptian coastal lakes (Manzala, Burullus and Edku) documental project (TBCL-EGY)*
- Sarah Ward, *Sino-Cambodian Connections: the archaeology of maritime exchange in the Koh Sdach archipelago*
- Krzysztof Zamoscinski, *Expanded logboats in the world – the ethnological perspective*

**Saturday, 2 October / Sunday, 3 October**

**Sailing in front of Zadar in the Lateen sail rigged boats (optional)**

**Post Conference Excursions (optional)**