



**13th scientific conference Methodology and  
Archaeometry**

Zagreb, 27th and 28th of November 2025

<https://metarh.ffzg.unizg.hr/>

## PROGRAMME:

### Thursday, 27<sup>th</sup> of November

9:00 – 9:10

Conference opening

**Key-note lecture:**

*Chair: Ina Miloglav*

9:10 -9:55

**Cristina Barrocas Dias**

*Meat in the Pots, Plants in the Bones: Integrating Organic Residues, Isotopes, and Proteins in Paleodietary Reconstruction*

### 10:00-10:20 Coffee break

**Session 1**

*Chair: Miroslav Vuković*

10:20-10:35

**Dimitrij Mlekuž Vrhovnik & Tomaž Fabec**

*Prehistoric Hunting Megastructures in the Adriatic Hinterland*

10:40-10:55

**Ivor Kranjec, Jelena Behaim & Miljenko Jurković**

*New LiDAR-Based Insights into Post-Roman Landscape Transformations of the Northern Adriatic: Three Case Studies from Istria and the Quarnero Islands*

11:00-11:15

**Tino Leleković**

*Boundaries Without Borders: What LiDAR and Magnetometry Revealed About the Croatian Limes*

11:20-11:35

**Srđan Beck & Katarina Šprem**

*Roman centuriation of ager Polensis in southern Istria (Croatia)*

11:40-11:55

**Marin Buble & Lujana Paraman**

*Data sharing and the protection of archaeological heritage - possibilities of the intersectoral cooperation on mitigating the risk of wildfire damage to the archaeological heritage. The example of the Trogir area*

## 12:00-12:20 Coffee break

### **Session 2**

*Chair: Jacqueline Balen*

12:20-12:35

**Kyriakos Sgouropoulos, Dushka Urem-Kotsou & Apostolos Sarris**

*Combining Field-Based and Remote Digital Approaches in Archaeological Surface Survey*

12:40-12:55

**Martina Naso, Arthur Leck, Rémy Chapoulie, Gabriele Gattiglia, Francesca Anichini, Bruno Dutailly, Claudia Sciuto, Théophane Nicolas, Ariane Menu, Amala Marx, Kai Salas Rossenbach, Nevio Dubbini, Ivan Radman Livaja, Jana Kopackova & Filomena Sirovica**

*Integrating 3D digitisation and archaeometric analyses in ceramics and lithics: automated workflows in the AUTOMATA project*

13:00-13:15

**Marko Porčić**

*A new approach to quantifying vessel shapes from profile drawings*

13:20-13:35

**Andreja Kudelić, Natali Neral, Dinko Tresić Pavičić, Filomena Sirovica, Ana Maričić, Mia Marijan & Dalibor Branković**

*Archaeology and Geology in Ceramic Studies: Towards an Integrated Framework for Interdisciplinary Pottery Technology Research in Croatia*

## 13:40 – 14:40 Lunch break

### **Session 3**

*Chair: Jasna Vuković*

14:40-14:55

**Katja Kavkler, Elena Leghissa, Miran Pflaum, Peter Turk, Maja Gutman Levstik, Lidija Korat Bensa & Sabina Dolenec**

*Preliminary Results of Archaeometric Analyses of White Incrustations on Third Millennium BC Pottery – A Case from the Ljubljansko barje area*

15:00-15:15

**Atanas Tsurev & Nikolina Nikolova**

*Beyond Red and White: Archaeometric Perspectives on Early Neolithic Pottery at Chavdar*

15:20-15:35

**Bogdan Manea, Valentin Radu, Daniela Dimofte, Ioana Poroșnicu, Adrian Sima, Florin Vlad, Ion Tiseanu & Cătălin Lazăr**

*Born by Nature, Shaped by Man: Archaeometric Insights into Shell-Tempered Chalcolithic Pottery from Săveni-La Movile*

15:40-15:55

**Massimiliano Puntin**

*Protocol for investigating ancient colours: a multi-analytical non-destructive approach to the study of Roman painted plasters*

**16:00-16:15 Coffee break**

**Session 4 - Poster presentation**

16:15-17:00

**Jelena Bulatović, Ivana Dimitrijević, Ina Miloglav, Jacqueline Balen & Krešimir Filipec**

*Animal Exploitation in the Copper Age of Eastern Slavonia: Zooarchaeological Evidence*

**Izaskun Egilegor Uranga**

*Beyond Prehistory: Towards a Methodology for Contemporary Archaeology of Megaliths*

**Marija Kostić, Nejra Omerović, Jugoslav Pendić, Maja Kokanović, Tamara Blagojević & Jelena Jovanović**

*The use of micro computer tomography (mCT) in scientific purposes and preservation of cultural heritage*

**Ante Lozina & Andrej Bašić**

*Digitization of the Sacred: Initiating a Digital Database of Saints' Archaeological Remains and Relics in Dalmatia – Interdisciplinary Approach and Knowledge Transfer*

**Anna Nicolussi & Diana Dobрева**

*Late Antique Coarse Ware from Negrar di Valpolicella (Verona, Italy): Local Production and Regional Exchange*

**Petra Nikšić & Krešimir Filipec**

*Reassembling the past: four methods used for determining the minimum vessel number at the early medieval site Stari Perkovi – Debela šuma (Eastern Croatia)*

**Almir Olovčić & Katarina Šprem**

*Chert samples from the Istrian peninsula (Croatia) and their chemical signatures: can we make a distinction based on the results?*

**Franka Ovčarić & Janja Mavrović Mokos**

*Shaping the Edge: Late Bronze Age Fortifications of Northwestern Croatia*

**Ivana Pandžić & Milica Tapavički Ilić**

*Salt Through Time - A Multidisciplinary Approach to Understanding Salt, Life, and the Earth System*

**Maarten Peels**

*An epistemology for prehistoric filmmaking*

**Milica Tapavički-Ilić, Theodora Moullou & Barbara Care**

*COST action GameTable (CA 22145) computational techniques for tabletop games heritage*

**Milica Tapavički-Ilić, Ivan Radman Livaja & Gabriele Gattiglia**

*COST action MAIA (CA 23141) - managing artificial intelligence in archaeology*

## **Friday, 28<sup>th</sup> of November**

### **Session 5**

*Chair: Marko Banda*

10:00-10:15

**Boris Rozić**

*Spatial Analysis of Mousterian Sites in Bosnia and Herzegovina*

10:20-10:35

**Petar Minkov, Zheni Vasileva, Denitsa Sandeva, Yana Dimitrova, Hanna Aleksandrova & Nadezhda Karastoyanova**

*Unveiling the Past: Interdisciplinary Methods Applied to the Late Bronze Age Site of Kamenovo, Northeast Bulgaria*

10:40-10:55

**Katarina Šprem, Damir Pocrnić & Damir Palenik**

*Veli Brijun quarries, Istria, Croatia – historical and geological context*

11:00-11:15

**Marta Rakvin & Jacqueline Balen**

*Developing Interdisciplinary Strategies for Public Engagement with Iron Age Heritage*

**11:20-11:40 Coffee break**

### **Session 6**

*Chair: Goran Tomac*

11:40-11:55

**Mario Novak, Valentina Martinoia, Mario Carić, Natalija Čondić, Domagoj Perkić, Dinko Tresić Pavičić, Morana Vuković, Joško Zaninović, Emily Zavodny & Sarah McClure**

*Comparative regional stable isotope analysis reveals fluctuations in millet consumption during the Bronze and Iron Ages in Croatia*

12:00-12:15

**J. Marla Toyne, Donovan Adams, Andrea Rimpf, Mario Carić & Mario Novak**

*Unpacking 'Fuzzy' Diets: Using Fuzzy Clustering Analytical Methods of Stable Isotopes to Examine Community Identity in Late Avar Period Šarengard, Croatia*

12:20-12:35

**Valentina Lončarić, Mafalda Costa, Domagoj Perkić, Hrvoje Potrebica & Marko Dizdar**

*Threads of Glass: Production and Provenance of Iron Age Adornments from the Zakotorac and Nakovana tumuli*

12:40-12:55

**Marin Šoufek & Iva Kaić**

*The use of SEM-EDS in the analysis of 13 green-coloured Roman engraved gems from Sisak, Croatia*

### **13:00-13:20 Coffee break**

#### **Session 7**

*Chair: Petra Nikšić*

13:20-13:35

**Selena Vitezović & Gordana Jeremić**

*Technology and function of bone objects from the Roman period: some preliminary results*

13:40-13:55

**Zheni Vasileva, Petar Minkov, Vanya Petrova, Denitsa Sandeva, Hanna Aleksandrova & Yana Dimitrova**

*Caught in Arachne's net: Old Artefacts and New Discoveries from the Chalcolithic Period through Interdisciplinary Methods*

14:00-14:15

**Tena Karavidović, Janja Mavrović Mokos & Tajana Sekelj Ivančan**

*Technological Insights into Iron Age Ironworking: Evidence from the Late Hallstatt Settlement of Sveti Križ (North-West Croatia)*