



PROGRAMME OF THE 10TH SCIENTIFIC CONFERENCE METHODOLOGY AND ARCHAEOOMETRY:

Thursday, 1st of December 2022

10:00 – 10:15

Opening

Key-note lecture:

Chair: Ina Miloglav

10:15 -10:55

Patrick Sean Quinn

Scientific analysis of archaeological ceramics: Findings and thoughts from a quarter century of research

11:00-11:30 Coffee break

Session 1

Chair: Jacqueline Balen

11:30-11:45

Ana Fundurulić, Ana Manhita, Sérgio Martins, Leonor Rocha, Dora Teixeira, Alessandra Celant & Cristina Barrocas Dias

Organic residue analysis of funerary vessels from the Great Dolmen of Zambujeiro, Portugal

11:50-12:05

Andreja Kudelić, Natali Neral & Lujana Paraman

Bronze Age Pottery from central Dalmatia – archaeometric approach

12:10-12:25

Maja Miše & Jelena Jovanović

Potters and painters: Application of geochemical analysis to Greek and Hellenistic painted vases

12:30-12:45

Benjamín Cutillas-Victoria & Anno Hein

Non-invasive protocol for the study of the post-firing painted ware from the Iberian Peninsula

12:50-13:10 Coffee break



Session 2

Chair: Predrag Novaković

13:10-13:25

Dimitrij Mlekuž Vrhovnik

Modelling long-term demographic patterns of the area of Slovenia

13:30-13:45

Zoran Čučković

Digital landscapes: new algorithms for archaeological site detection and mapping on the basis of Lidar data

13:50-14:05

Domagoj Tončinić, Miroslav Vuković, Joško Zaninović & Domagoj Bužanić

The transformation of the cultural landscape between the Krka and Cetina rivers: Preliminary analysis of potential archaeological structures recognized on LiDAR images

14:10-14:25

Jerko Luka Gašpar

Viewshed analysis of Late Antique fortresses of eastern Adriatic coast and the methodological questions it raises

14:30-14:45

Andrej Janeš, Palma Karković Takalić & Valerija Gligora

The construction history of the Ledenice castle: application of the archaeology of standing structures

14:50-15:05

Michael Doneus, Bernhard Höfle, Dominic Kempf, Gwydion Daskalakis & Maria Shinoto
AFwizard – Human-in-the-loop development of spatially adaptive ground point filtering pipelines

15:10-15:15

Valentina Lončarić – best poster award (SAS)

Image-based low-powered technological analysis of archaeological ceramics and its potential on-site and educational applications

15:15-16:00 Lunch break

Session 3

Chair: Dimitrij Mlekuž Vrhovnik



16:00-16:15

Luka Gruškovnjak, Agni Prijatelj, Petra Vojaković & Matija Črešnar

A smithy revealed by the micro-refuse analysis in the Late Halstatt Building 24 at the hillfort of Pungrt above Ig, Slovenia

16:20-16:35

Agni Prijatelj, Luka Gruškovnjak, Petra Vojaković & Matija Črešnar

From a house to a stable: a micromorphological study of the Late Hallstatt Building 21 at the proto-urban hillfort of Pungrt above Ig, Slovenia

16:40-16:55

Luka Gruškovnjak

The influence of topography and soil geomorphology on the archaeological record within the landscape

17:00-17:15

Katarina Jerbić

Assessing the archaeological and paleo-environmental potential of a submerged prehistoric site: A case study from Zambratija Bay

17:20-17:35

Tena Karavidović & Tomislav Brenko

Reconstruction of bog iron ore deposits in the lowland landscape: a case study predictive model for the analysis of exploitation in archaeological periods

Session 4 - Poster presentation

17:40-18:00

Mila Andonova-Katsarski

Bio-archaeology of the pit-fills of Sexaginta Prista (2BC - 1AD)

Dario Hruševar, Koraljka Bakrač, Božena Mitić, Ivona Baniček & Rajna Šošić-Klindžić

The Neolithic site Gorjani-Topole – preliminary results of palynological analysis from the Slavonia region (eastern Croatia)

Valentina Lončarić

Image-based low-powered technological analysis of archaeological ceramics and its potential on-site and educational applications

Dunja Martić Štefan



Sickle gloss on knapped flint artefacts recovered at the Galovo Site in Slavonski Brod and the Dužine site in Zadubravlje

Emilija Nikolić, Ivana Delić-Nikolić, Ljiljana Miličić, Nevenka Mijatović, Mladen Jovičić & Snežana Vučetić

Searching for elements – creating a composition: from archaeometry to conservation of Roman constructions on the Danube in Serbia

Tosho Spiridonov & Svilen Stoyanov
DAGIS 4.0 – Balkan Information System

Katarina Šprem, Lana Blažinić, Elena Orbanic & Adriana Sponza
Lithic analysis of finds from the field surveys of Lovas Municipality, Eastern Croatia

Selena Vitezović, Danica Mihailović, Vidan Dimić & Dragana Antonović
Tracing prehistoric mines and quarries: preliminary results of the field survey of Rudnik area (central Serbia), campaign 2021

Katarzyna Zdeb & Maciej Sierakowski
Food biomarkers in glazed pottery

Veronika Gencheva
Geospatial archaeological database of Eastern Rhodopes, Bulgaria

Milica Tapavički-Ilić & Timka Alihodžić
All soul is immortal (Plato)

Pio Domines Peter
More than shells and shrapnels: Approaching the materiality of Second World War in karst landscape - Case study of battlefield site on Kozjak hill (Senj, Croatia)

Sara Igljić, Igor Kulenović & Šime Vrkić
Community, archaeology and modern conflicts - example of Obrovac, Croatia



Friday, 2nd of December 2022

Session 5

Chair: Selena Vitezović

10:00-10:15

Petros Chatzimpaloglou

Provence investigation of stone tools and its archaeological application

10:20-10:35

Vidan Dimić

The use of polished stone axes and adzes in the Neolithic of Serbia - experimental research

10:40-10:55

Kata Szilágyi, György Szakmány, Sági Tamás, Józsa Sándor, Szilágyi Veronika, Oláh István, Anett Osztás & Katalin T. Biró

Preliminary results of provenance studies on the polished stone material at the Neolithic site of Alsónyék, Hungary

11:00-11:15

Tamás Sági, György Szakmány, Sándor Józsa, Veronika Szilágyi, Kristóf Fehér, István Oláh & Anett Osztás

Polished stone tools from the Bátaszék-Alsónyék Neolithic settlement (Hungary)

11:20-11:50 Coffee break

Session 6

Chair: Maja Miše

11:50-12:05

Meghna Desai & Thilo Rehren

Carbon content determination of hypereutectoid wootz steel using image analysis

12:10-12:25

István Fórizs & Kata Dévai

New data on the cage cup fragments from Gorsium/Herculia, Pannonia (Hungary)

12:30-12:45

Mila Andonova-Katsarski

The archaeological softwoods of ancient Serdica (Sofia, Bulgaria)



12:50-13:05

Katarina Botić, Tena Karavidović, Tajana Sekelj Ivančan & Metka Culiberg
Between technological choices and resource availability: an insight into wood exploitation strategies for iron production and common use

13:10-13:25

Ana Đuričić

Late Neolithic Vinča culture hearths – location identification and function

13:30-14:00 Coffee break

Session 7

Chair: Nikola Vukosavljević

14:00-14:15

Tina Bareša, Ivan Jerković, Anita Adamić Hadžić, Mario Šlaus, Mislav Čavka, Željana Bašić & Ivana Kružić

Visibility of epigenetic cranial traits on multi-slice computed tomography (MSCT) scans and dry bones

14:20-14:35

Lia Vidas, Sara Silvestrini, Matteo Romandini, Federico Lugli, Cristina Real Margalef, Siniša Radović, Ivor Janković & Stefano Benazzi

Filling in the blanks: the application of palaeoproteomics in faunal analysis

14:40-14:55

Kyriaki Tsirtsis & Evi Margaritis

Plants and people in Classical/early Hellenistic Sikyon: what we got through the analysis of archaeobotanical material

15:00-15:15

Andreja Sironić, Alexander Cherkinsky, Damir Borković, Jadranka Barešić & Ines Krajcar Bronić
International radiocarbon mortar dating intercomparison - MODIS2

15:20-15:35

Marija Krečković Gavrilović, Mihailo Radinović, Marko Porčić, Jugoslav Pendić, Lidija Milašinović & Sofija Stefanović

Absolute and relative chronology of the Early Bronze Age necropolis in Mokrin, Serbia

15:40 – 15:55

Predrag Novaković

How much and what STEM are we teaching in archaeology?

16:00 Closing