

# POSTER SESSION 2

Wednesday 18 September  
11:00-12:00

Posters need to be hanging up on Tuesday 17th from 15.15h. The poster session 2 will be on Wednesday at 11:00. Posters need to be removed in the afternoon.

## Development of new methods and techniques

**1\_12 MeV Proton Activation Analysis combined to IBA techniques for compositional studies of various archeological artefacts from Roman and Merovingian sites (Ostia Antica, Artena, Nevers)**

Chêne Grégoire<sup>1</sup>, Defeyt Catherine<sup>1</sup>, Dienst Simon<sup>1</sup>, Herens Elodie<sup>1</sup>, Van Wersch Line<sup>1</sup>, Holsbeek Aymeric<sup>1</sup>, Bischops Kevin<sup>1</sup>, Strivay David<sup>1</sup>, Morard Thomas<sup>1</sup>

<sup>1</sup>University of Liège

**3\_Ceramics of city Bolgar: first results of NAA researches**

Vladimir Koval<sup>1</sup>, Andrey Dmitriev<sup>2</sup>

<sup>1</sup>Institute of archaeology Russian Academy of Sciences

<sup>2</sup>Joint Institute for Nuclear Research

**4\_COMBINING X-RAY MICRODIFFRACTION WITH OPTICAL MICROSCOPY: SURPLUS FOR THIN SECTION PETROGRAPHY OF ANCIENT MATERIALS**

Christoph Berthold<sup>1</sup>, Silvia Amicone<sup>1</sup>, Tobias Kiemle<sup>2</sup>, Klaus G. Nickel<sup>2</sup>

<sup>1</sup>Competence Center Archaeometry – Baden-Wuerttemberg (CCA-BW), Universität Tübingen, Wilhelmstrasse 56, D-72074 Tübingen

<sup>2</sup>Competence Center Archaeometry – Baden-Wuerttemberg (CCA-BW), Universität Tübingen, Wilhelmstrasse 56, D-72074 Tübingen

**5\_Developing a tool to trace shell-tempered ceramics: A case study from the Yazoo Basin (Mississippi, USA)**

Evan Peacock<sup>1</sup>, Virginie Renson<sup>2</sup>, Brenda Kirkland<sup>1</sup>, Simon Sherman<sup>1</sup>

<sup>1</sup>Mississippi State University

<sup>2</sup>University of Missouri

## **6\_Features of microstructure and chemical composition on historical glazed tiles in conservation studies (as exemplified by 18th Century Dutch tiles)**

Anatoly Kovalev<sup>1</sup>, Dmitry Wainstein<sup>1</sup>, Vladimir Vakhrushev<sup>1</sup>, Andrey Amezhnov<sup>2</sup>, Tatiana Shlykova<sup>3</sup>, Oksana Stepanova<sup>3</sup>

<sup>1</sup>*Surface Phenomena Researches Group*

<sup>2</sup>*I. P. Bardin Central Research Institute for Ferrous Metallurgy*

<sup>3</sup>*Saint-Petersburg State Institute of Culture*

## **7\_Firing conditions of LBK and SBK pottery from Eythra (Germany) using high-temperature analytics**

K. Bente<sup>1</sup>, S. Durini<sup>2</sup>, S. Küsel<sup>2</sup>, I. Kunert<sup>3</sup>, H. Hölzig<sup>4</sup>

<sup>1</sup>*Universität Tübingen, CCA-BW and Universität Leipzig, Institut für Mineralogie, Kristallographie und Materialwissenschaft (IMKM)*

<sup>2</sup>*Universität Leipzig, Institut für Anorganische Chemie*

<sup>3</sup>*Anorganische Chemie, TU Dresden*

<sup>4</sup>*Universität Leipzig, Institut für Mineralogie, Kristallographie und Materialwissenschaft (IMKM)*

## **8\_Iranian Glazed Ceramics from the Alchemist's Workshop in Bilyar**

Svetlana Valiulina<sup>1</sup>

<sup>1</sup>*Kazan Federal University*

## **9\_New frontiers for 3D surface analyses of archaeological pottery: developing new procedures for measuring traces of manufacture, use-wear and post recovery degradation through CLSM (confocal laser scanning microscope)**

SIMONA TODARO<sup>1</sup>, PAOLO SFERRAZZA<sup>1</sup>, Flavia Giacoppo<sup>2</sup>

<sup>1</sup>*UNIVERSITY OF CATANIA*

<sup>2</sup>*University of Catania*

## **10\_The effect of wood-ash and charcoal on the elemental composition of ceramic bodies and their material properties.**

Gardner Carlotta<sup>1</sup>, Noémi S. Müller<sup>1</sup>, Evangelia Kiriati<sup>1</sup>, George Vekinis<sup>2</sup>, Vassilis Kilikoglou<sup>2</sup>

<sup>1</sup>*Fitch Laboratory, British School at Athens*

<sup>2</sup>*Institute of Nanoscience and Nanotechnology, NCSR Demokritos*

## **11\_Use of quantification of the orientation of aplastic components of a ceramic body for a study of the introduction of the potter's wheel in the La Tène period in Central Europe**

Richard Thér<sup>1</sup>, Tomáš Mangel<sup>1</sup>

<sup>1</sup>*University of Hradec Králové*

## **12\_Wine economy in Picton territory (IInd century BC – Ist century AD) 2. Archaeometrical study of content**

Charlotte Saint-Raymond<sup>1</sup>, Camille Frugier<sup>2</sup>, Nadia Cantin<sup>2</sup>, Christelle Absalon<sup>3</sup>, Severine Lemaître<sup>4</sup>, Isabelle Pianet<sup>2</sup>

<sup>1</sup>*Université Bordeaux Montaigne*

<sup>2</sup>*IRAMAT-CRP2A, UMR5060, CNRS, Université Bordeaux Montaigne*

<sup>3</sup>*CESAMO, ISM, Université de Bordeaux*

<sup>4</sup>*HERMA, Université de Poitiers*

## **Technical ceramics**

### **14\_Preliminary archaeometrical approach on Glass fragments from Maadabad Hill**

Farahnaz Bayatnejad<sup>1</sup>, Hamidreza Rahamidehsheikhi<sup>2</sup>, Mohammadamin Emami<sup>3</sup>, Ahmadali Asadi<sup>4</sup>

<sup>1</sup>*Art University Of Isfahan*

<sup>2</sup>*Islamic Azad University of Yazd*

<sup>3</sup>*Art University of Isfahan*

<sup>4</sup>*Art University of Shiraz*

### **15\_Study of degradation processes of 16th century distillation apparatus**

Maria Kavanova<sup>1</sup>, Alexandra Klouzokova<sup>1</sup>, Ljuba Svobodova<sup>2</sup>, Martina Kohoutkova<sup>1</sup>, Pavla Vuorakova<sup>1</sup>

<sup>1</sup>*University of Chemistry and Technology Prague*

<sup>2</sup>*Institute of Archaeology of the CAS, Prague, v. v. i.*

### **16\_Technical Ceramics from the Jewelry Workshops of Saray al-Jedid of the 14th century.**

Svetlana Valiulina<sup>1</sup>, Alsou Nuretdinova<sup>1</sup>

<sup>1</sup>*Kazan Federal University*

### **17\_The silversmithing ceramic crucibles of the islamic period (8th century) at Barcelona**

Marta Valls Llorens <sup>1</sup>, Jaume Buxeda i Garrigós <sup>1</sup>, Marisol Madrid <sup>1</sup>, Julia Beltran de Heredia Bercero <sup>2</sup>

<sup>1</sup>*Cultura Material i Arqueometria UB (ARGUB, GRACPE). Dept. d'Història i Arqueologia, Universitat de Barcelona*

<sup>2</sup>*Universitat Antoni Gudí*

## **18\_Ychma ceramics production technologies (1250 AD - 1530 AD), the case study of the site of Armatambo and the Sanctuary of Pachacamac**

Pareja Anyosa Reynaldo Dante <sup>1</sup>, Chapoulie Rémy <sup>2</sup>, Iñañez Javier <sup>3</sup>, Díaz Luisa <sup>4</sup>, Ben Amara Ayed <sup>1</sup>, Cantin Nadia <sup>2</sup>, Eeckhout Peter <sup>5</sup>

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<sup>3</sup>*Ramón y Cajal Researcher, GPAC, C. I. Micaela Portilla, University of the Basque Country (UPV/EHU)*

<sup>4</sup>*Grupo de Investigación Sociedades Prehispanicas del Litoral-Yungas, Escuela de Arqueología, Universidad Nacional Mayor de San Marcos, Avenida Universitaria s/n, Cercado de Lima, Perú*

<sup>5</sup>*Dpt Histoire, Arts et Archéologie CP133/01 Faculté de Philosophie et Sciences Sociales, Université libre de Bruxelles*

## **Vessel function and vessel use**

### **19\_Food in context: preliminary interdisciplinary research on the dolia from the so called “wine-cellar” of thermopolium V 4, 6-8 at Pompeii**

A. Pecci <sup>1</sup>, S. Mileto <sup>1</sup>, S. Ritodale <sup>2</sup>, D. Cottica <sup>3</sup>

<sup>1</sup>*ERAAUB, Universitat de Barcelona*

<sup>2</sup>*Suola Interateneo di Specializzazione in Beni Archeologici - SISBA*

<sup>3</sup>*Università Ca' Foscari di Venezia*

### **20\_Secondary use and reuse of roman pottery – case study of local and imported forms in Viminacium**

Angelina Raičković Savić <sup>1</sup>, Ana Mitić <sup>1</sup>

<sup>1</sup>*Institute of Archaeology*

### **22\_Structural modeling of ceramic vessels - Understanding Function, Assessing Design**

Anno Hein <sup>1</sup>, Vassilis Kilikoglou <sup>1</sup>

<sup>1</sup>*N.C.S.R. Demokritos*

### **23\_Use and function of ceramic vessels from a larder of roman tabernae in Emporiae. A set originating from sector 25000 of Insula 30.**

Joaquim Tremoleda Trilla<sup>1</sup>, Pere Castanyer Masoliver<sup>1</sup>, Marta Santos Retolaza<sup>1</sup>, Jaume Puigredon Boixadera<sup>2</sup>

<sup>1</sup>*Museu d'Arqueologia de Catalunya - Empúries*

<sup>2</sup>*Universitat de Girona*

## Production centres and raw materials studies

### **25\_Archaeological and archaeometric studies on Sub-Koan amphorae from Akrai/Acrae, SE Sicily**

Germana Barone<sup>1</sup>, Roksana Chowanec<sup>2</sup>, Claudio Finocchiaro<sup>1</sup>, Maura Fugazzotto<sup>1</sup>, Marcin Matera<sup>2</sup>, Paolo Mazzoleni<sup>1</sup>, Antonio Stroschio<sup>1</sup>

<sup>1</sup>*Università di Catania*

<sup>2</sup>*University of Warsaw*

### **26\_Archaeometric Characterisation of the Roman Pottery from the Workshop of Felanitx (Mallorca, Balearic Islands)**

Miguel Ángel Cau Ontiveros<sup>1</sup>, Leandro Fantuzzi<sup>2</sup>, Evanthia Tsantini<sup>3</sup>, Catalina Mas Florit<sup>3</sup>, Sebastià Munar Llabrés<sup>4</sup>

<sup>1</sup>*Institució Catalana de Recerca i Estudis Avançats (ICREA) and Equip de Recerca Arqueològica i Arqueomètrica de la Universitat de Barcelona (ERAAUB)*

<sup>2</sup>*Universidad de Cádiz and Equip de Recerca Arqueològica i Arqueomètrica de la Universitat de Barcelona (ERAAUB)*

<sup>3</sup>*Equip de Recerca Arqueològica i Arqueomètrica de la Universitat de Barcelona (ERAAUB)*

<sup>4</sup>*IBEAM and Equip de Recerca Arqueològica i Arqueomètrica de la Universitat de Barcelona (ERAAUB)*

### **28\_Ceramic oil lamps from the Agora of Nea Paphos: integrated results of multidisciplinary research on Hellenistic-Roman local production**

Malgorzata Kajzer<sup>1</sup>, Edyta Marzec<sup>2</sup>, Noémi S. Müller<sup>2</sup>, Evangelia Kiriatzi<sup>2</sup>, Anno Hein<sup>3</sup>

<sup>1</sup>*Institute of Archaeology, Jagiellonian University*

<sup>2</sup>*Fitch Laboratory, British School at Athens*

<sup>3</sup>*Institute of Nanoscience and Nanotechnology N.C.S.R. 'Demokritos'*

### **29\_Characterising Cetina ceramic technology: Comparing pottery making recipes in Bronze Age Central Mediterranean**

Maja Gori<sup>1</sup>, Silvia Amicone<sup>2</sup>, Emil Podrug<sup>3</sup>, Giulia Recchia<sup>4</sup>, Joerg Rambach<sup>5</sup>, Helena Tomas<sup>6</sup>, Ivan Šuta<sup>7</sup>

<sup>1</sup>*Ruhr-University of Bochum*

<sup>2</sup>*Competence Center Archaeometry-Baden Württemberg, Eberhard-Karls-Universität Tübingen*

<sup>3</sup>*Museum of Šibenik*

<sup>4</sup>*University of Foggia*

<sup>5</sup>*OREA, Austrian Academy of Sciences*

<sup>6</sup>*University of Zagreb*

<sup>7</sup>*Museum of Kaštel*

## **30\_Compositional characterisation of Roman pottery production at Municipium Claudium Iuvavum (Salzburg), Austria**

Barbara Borgers<sup>1</sup>, Corina Ionescu<sup>2</sup>, Volker Höck<sup>3</sup>, Franz Neubauer<sup>3</sup>, Felix Lang<sup>4</sup>

<sup>1</sup>(1) *University of Salzburg, Department of Geography and Geology*

<sup>2</sup>(2) *Babe-Bolyai University, Department of Geology*

<sup>3</sup>(3) *University of Salzburg, Department of Geography and Geology*

<sup>4</sup>*University of Salzburg, Department of Classics and Early Aegean Archaeology*

## **31\_Export blue-and-white porcelain from the Witte Leeuw Shipwreck**

Ruiqi Zhang<sup>1</sup>

<sup>1</sup>*University of Liverpool*

## **32\_Features of the chemical composition of monochrome glazed ceramics 14-16 centuries Iske-Kazan (Russia)**

Polina Kaplan<sup>1</sup>, Rezida Khamchenkova<sup>1</sup>, Airat Sitdikov<sup>1</sup>

<sup>1</sup>*Tatarstan Academy of Science*

## **33\_From prayers to traders. Changes in ceramic technology and their social implications at the Vinalopó and low Segura valleys from mid-6th to 1st millennia cal BC**

Miguel del Pino Curbelo<sup>1</sup>, Gabriel García Atiénzar<sup>2</sup>, Alberto Lorrio Alvarado<sup>1</sup>, Peter M. Day<sup>3</sup>, Irene Vinader Antón<sup>1</sup>

<sup>1</sup>*Universidad de Alicante*

<sup>2</sup>*Universidad de Alicante*

<sup>3</sup>*University of Sheffield*

## **34\_ Investigation into the industrial production of porcelain in the Vieillard and Cie manufactory (Bordeaux, France, 19th century)**

Emmie BEAUVOIT<sup>1</sup>, Nadia CANTIN<sup>1</sup>, Rémy CHAPOULIE<sup>1</sup>, Quentin LEMASSON<sup>2</sup>, Valérie MARACHE<sup>3</sup>, Christophe SIREIX<sup>3</sup>, Ayed BEN AMARA<sup>1</sup>

<sup>1</sup>*IRAMAT-CRP2A, UMR 5060 CNRS, UNIVERSITÉ BORDEAUX MONTAIGNE*

<sup>2</sup>*C2RMF and FR3506 New AGLAE, CNRS/Ministère de la Culture*

<sup>3</sup>*Centre Archéologie Préventive de Bordeaux Métropole*

## **35\_ Investigation of Late Roman Pottery from Gadara of the Decapolis, Jordan Using Multi-Methodic Approach**

Atef shiyab<sup>1</sup>

<sup>1</sup>*Yarmouk University*

## **36\_MULTIFACETED ANALYSIS OF GLAZED CERAMICS FROM JORDAN:RAW MATERIALS AND TECHNOLOGICAL ASPECTS**

Firas Alawneh<sup>1</sup>

<sup>1</sup>*Hashemite University*

## **37\_Open Fabric 3.0: collecting, geo-referencing and characterizing archaeological ceramics from Tuscany in an open-access and open-source online database**

Eleonora Odelli<sup>1</sup>, Federico Cantini<sup>1</sup>, Simona Raneri<sup>2</sup>

<sup>1</sup>*University of Pisa, Department of Civilization and Forms of Knowledge*

<sup>2</sup>*Department of Earth Sciences, University of Pisa*

## **38\_Overview of the ceramic technology from Late Neolithic to Copper Age in the Southern Carpathians, Romania**

Alexandra Enea-Giurgiu<sup>1</sup>, Corina Ionescu<sup>1</sup>, Volker Hoeck<sup>2</sup>, Tudor Tamas<sup>1</sup>, Cristian Roman<sup>3</sup>

<sup>1</sup>*Babes-Bolyai University, Department of Geology*

<sup>2</sup>*Paris Lodron University, Division Geography and Geology,*

<sup>3</sup>*Corvin Castle*

## **39\_Petrographic and X-ray diffraction analysis of the ceramic body of late Roman glazed ceramics found at Környe (Hungary)**

Dorottya Györkös<sup>1</sup>, Bernadett Bajnóczi<sup>2</sup>, György Szakmány<sup>3</sup>, Máté Szabó<sup>2</sup>, Sándor Petényi<sup>4</sup>, Mária Tóth<sup>2</sup>

<sup>1</sup>*Institute for Nuclear Research, Hungarian Academy of Sciences*

<sup>2</sup>*Institute for Geological and Geochemical Research, Research Centre for Astronomy and Earth Sciences, Hungarian Academy of Sciences*

<sup>3</sup>*Department of Petrology and Geochemistry, Eötvös Loránd University*

<sup>4</sup>*Kuny Domokos Museum*

## **40\_Roman and Late Roman Common Wares from the rural site of Sa Mesquida (Mallorca, Balearic Islands): local production?**

Miguel Ángel Cau Ontiveros<sup>1</sup>, Catalina Mas Florit<sup>2</sup>, Evanthia Tsantini<sup>2</sup>, Leandro Fantuzzi<sup>3</sup>

<sup>1</sup>*Institució Catalana de Recerca i Estudis Avançats (ICREA), and Equip de Recerca Arqueològica i Arqueomètrica de la Universitat de Barcelona (ERAAUB)*

<sup>2</sup>*Equip de Recerca Arqueològica i Arqueomètrica de la Universitat de Barcelona (ERAAUB)*

<sup>3</sup>*Universidad de Cádiz and Equip de Recerca Arqueològica i Arqueomètrica de la Universitat de Barcelona (ERAAUB)*

## **41\_Setting the technological patterns in the Neolithic pottery production of central Apulia**

Italo Maria Muntoni <sup>1</sup>, Martina Torre <sup>2</sup>, Giacomo Eramo <sup>3</sup>

<sup>1</sup>*Soprintendenza Archeologia, Belle Arti e Paesaggio per le Province di BAT e FG*

<sup>2</sup>*Dipartimento di Storia, Culture e Civiltà, Università di Bologna*

<sup>3</sup>*Dipartimento di Scienze della Terra e Geoambientali, Università di Bari Aldo Moro*

## **43\_Technological transfer in pottery making, Neolithic Northwest China.**

Dammer Evgenia <sup>1</sup>

<sup>1</sup>*University of Oxford*

## **44\_Tempering with white marbles: implications on the provenance and production technology of ancient pottery**

Lara Maritan <sup>1</sup>, Fabrizio Antonelli <sup>2</sup>, Manuel Rigo <sup>1</sup>, Giovanna Ganzarolli <sup>3</sup>, Chiara Coletti <sup>1</sup>, Alejandra Chavarria Arnau <sup>4</sup>, Lorenzo Lazzarini <sup>2</sup>, Claudio Mazzoli <sup>1</sup>

<sup>1</sup>*Department of Geosciences, University of Padova*

<sup>2</sup>*LAMA – Laboratory for the Analysis of Ancient Materials, University Iuav of Venice*

<sup>3</sup>*LAMA – Laboratory for the Analysis of Ancient Materials, University Iuav of Venice*

<sup>4</sup>*Aix-Marseille Université*

<sup>4</sup>*Department of Cultural Heritage: Archaeology and History of Art, Cinema and Music, University of Padova*

## **45\_The chemical composition of the Migration period hand-made ceramics from the excavations of the medieval city of Bolgar (Russia)**

Vera Bakhmatova <sup>1</sup>, Rezida Khramchenkova <sup>2</sup>, Leonid Vyazov <sup>2</sup>

<sup>1</sup>*Institute of Archaeology, Tatarstan Academy of Science,*

<sup>2</sup>*Archeotechnologies & Archeological Material Sciences Lab., Inst. Intern. Relations, History and Oriental St., Kazan (Volga Region) Federal University (Tatarstan)*

## **47\_The modern ceramics from Manises (Valencia). A reassessment from the new excavations at Barri d'Obradors**

Mirieia Pinto Monte <sup>1</sup>, Jaume Buxeda i Garrigós <sup>1</sup>, Marisol Madrid i Fernández <sup>1</sup>, Jaume Coll Conesa <sup>2</sup>

<sup>1</sup>*Cultura Material i Arqueometria UB (ARGUB, GRACPE). Dept. d'Història i Arqueologia, Universitat de Barcelona*

<sup>2</sup>*Museo Nacional de Cerámica y Artes Suntuarias González Martí*

## **48\_The study of medieval pottery: the case of Torrentejo in the northwestern Iberian Peninsula**

Edurne Aguirrezabala Lizarazu <sup>1</sup>, Josefina Pérez-Arantegui <sup>2</sup>, Juan Antonio Quirós Castillo



<sup>1</sup>UPV/EHU

<sup>2</sup>Universidad de Zaragoza

## **49\_Think globally, act locally: global requirements and local transformation in sugar pots manufacture in Sicily in the medieval and post-medieval periods.**

Roberta Mentésana<sup>1</sup>, Anno Hein<sup>2</sup>, Vassilis Kilikoglou<sup>2</sup>, Giuseppe Montana<sup>3</sup>, Marisol Madrid i Fernández<sup>1</sup>, Jaume Buxeda i Garrigós<sup>1</sup>

<sup>1</sup>Departament d'Història i Arqueologia, Universitat de Barcelona

<sup>2</sup>Institute of Nanoscience and Nanotechnology, N.C.S.R. Demokritos

<sup>3</sup>Dipartimento di Scienze della Terra e del Mare, Università degli Studi di Palermo

## **50\_Tinkering with Terra Sigillata production: The case of Marzuolo, a Roman rural multi-craft site**

N. S. Müller<sup>1</sup>, E. Kiriati<sup>1</sup>, E. Marzec<sup>1</sup>, I. Tescione<sup>2</sup>, A. van Oyen<sup>3</sup>, G. Tol<sup>4</sup>

<sup>1</sup>Fitch Laboratory, British School at Athens

<sup>2</sup>Dipartimento di Scienze, Università degli Studi di Roma TRE

<sup>3</sup>Department of Classics, Cornell University

<sup>4</sup>School of Historical and Philosophical Studies, University of Melbourne

## **51\_Petrography variability of domestic vessels from Tel Akko**

Marta Weclawska<sup>1</sup>

<sup>1</sup>Adam Mickiewicz University in Poznan, Institute of Geology

## **Statistics and databases in ancient ceramic studies: paper in honour of Mike Baxter**

## **52\_A Compositional EDMA approach for developing of a typology for the Majolica products from Barcelona**

Jaume Buxeda i Garrigós<sup>1</sup>, Judith Peix Visiedo<sup>1</sup>, Eva Miguel Gascón<sup>1</sup>, Marisol Madrid i Fernández<sup>1</sup>

<sup>1</sup>Universitat de Barcelona

## **53\_Correlating Mleiha Pottery**

Atta Gaffar Attaelmanan<sup>1</sup>

<sup>1</sup>University of Sharjah

## **54\_Developing an expert system for a preliminary automatic evaluation of chemical and mineralogical data in provenance studies**

Jaume Buxeda i Garrigós<sup>1</sup>, Miguel del Pino Curbelo<sup>2</sup>, Marta Valls Llorens<sup>1</sup>

<sup>1</sup>*Universitat de Barcelona*

<sup>2</sup>*Universitat d'Alacant*

## **55\_Sampling strategies via statistical exploitation of morphometric data: Maximizing the assets of petrographic examination for a chronological review at the medieval town of Martorell (Barcelona, Spain)**

Esther Travé Allepuz<sup>1</sup>, Alfred Mauri Martí<sup>2</sup>, Rosario Navarro Sáez<sup>2</sup>, Pablo del Fresno Bernal<sup>3</sup>

<sup>1</sup>*Universitat de Barcelona*

<sup>2</sup>*Centre d'Estudis Martorellencs*

<sup>3</sup>*Sistemes de Gestió de Patrimoni SCCL*

## **56\_Statistical approach to pottery quantification as ways to explore chronology, economy and culture of Roman and Late Antique settlements: the case of Artena (province of Rome)**

Simon Dienst<sup>1</sup>

<sup>1</sup>*University of Liège*

## **57\_The Levantine Ceramics Project (LCP, <https://www.levantineceramics.org>)**

David Ben Shlomo<sup>1</sup>, Andrea Berlin<sup>2</sup>

<sup>1</sup>*Ariel University*

<sup>2</sup>*Boston University*