



## BRINGING ROMAN COARSE WARE TO THE POINT: THE CHALLENGE OF A COMMON APPROACH

Session #346

### ABSTRACT

**Caterina Paola Venditti, Maria Taloni** (Ministry of Culture, Italy, Directorate-General for Education, research and cultural institutes/Archaeological Park of Cerveteri and Tarquinia), **Thomas Fröhlich** (German Archaeological Institute), **Eugenio Polito** (University of Cassino and Southern Lazio)

**Material culture** impacts the world in which people live, their interactions with each other and the social structure they build and coarse wares, with their **enormous informative potential** for the reconstruction of social-economic changes, are among the most interesting indicators. Despite being the most attested class in excavations of every regional and temporal horizon, they still represent a challenge, especially because of the preponderance of the local productions, that are prevalent in the contexts.

Nevertheless, researches carried out in the Mediterranean area show that the morphological repertoire is also composed of forms that can be traced back to a craft tradition of medium to wide range, in a horizon that goes beyond the chronological and territorial barriers and is based on strictly functional characteristics, linked to usages.

**An integrated approach** includes morphological classification, distinction of mixtures, selection for analysis and the recognition of production areas with a distinction between local and external production centers. Each step implies criticalities and the amount of potential data is enormous. The time is ripe for a management based on automatic systems of recognition that exploit **complex algorithms**, so far developed to recognize similar shapes and therefore very well applicable to highly standardized productions.

The **new technologies** and the **collaborative work approach** impose a reflection and **sharing of best practices**, guiding principles, lexicons, structures.

The aim of this session is to **create a moment of dialogue** in which the traditional typological approach can find a synthesis with the modern technologies of AI and the new frontiers opened by Social Network Analysis.

Expected papers may include but are not limited to:

- **Presentation of excavations and findings;**
- **Analysis of traditional typological classifications;**
- **Use of AI in Roman coarse wares classifications;**
- **The contribution of Social Network Analysis to the study of Roman coarse wares.**



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### 8:30 OPENING SESSION

#### 8:35 ROMAN COARSE WARES IN FABRATERIA NOVA. AN ATTEMPT OF CLASSIFICATION

**Venditti**, Caterina Paola - **Taloni**, Maria (Ministry of Culture, Italy, Directorate-General for Education, research and cultural institutes, Archaeological Park of Cerveteri and Tarquinia)

#### 8:50 ROMAN COARSE WARE FROM AN ARCHEOLOGICAL AREA NEAR MILVIO BRIDGE. VIA CAPOPRATI (ROME)

**Ciarrocchi**, Barbara (Ministry of Culture, Italy)

#### 9:05 THE USE OF DEEP LEARNING ALGORITHMS FOR THE STUDY OF ROMAN POTTERY FABRICS (FABRICAI)

**Willems**, Sonja (Royal museums of Art and History, Brussels/Université Catholique de Louvain) - **Chaidron**, Cyrille (Uni-versité de Picardie Jules Verne; Artéka; Arkéocéra) - **Borgers**, Barbara (Universität Wien)

### 9:20 DISCUSSION SLOT

#### 9:25 COARSE AND ROUGH AND IRRITATING: COARSE WARE OF DOLENJSKA

**Stemberger Flegar**, Kaja (PJP d.o.o.) - **Kovačič**, Ana (Independent researcher)

#### 9:40 POTTERY TRADITION IN THE NORTHWEST OF THE IBERIAN PENINSULA. TIMES OF CHANGE DURING THE ROMAN EMPIRE

**Hernández-Tórtoles**, Alicia - **Romero-Perona**, Damian (Spanish National Research Council)

#### 9:55 COARSE WARE'S STRATIGRAFICAL EVOLUTION IN THE WESTERN ATLANTIC SHORE OF HISPANIA (V-VI C. AD): THE CASE OF ALMOÍNHAS (LOURES, LISBON)

**Quaresma**, José Carlos - **Lopes**, Martim (Universidade Nova de Lisboa)

#### 10:10 POSTER - INVESTIGATING ROMAN COARSE WARES IN NORTHERN ITALY: METHODS AND FIRST RESULTS FROM THE CASE STUDY OF AQUILEIA

**Riccato**, Anna (Università degli studi di Padova)

### 10:25 DISCUSSION SLOT

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Friday 2 Sept,  
8:30 - 10:30

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