

SEMINAR

Archaeology and Geosciences: the study of traditional materials

September 21, 2022 | 15:00

**Laboratory of History - Institute of Social Sciences, Gualtar Campus,
University of Minho, Braga**

Format: Hybrid



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15:00 — Opening

Francisco Mendes | Department of History Director, University of Minho, Portugal

Jorge Correia | Lab2PT Director, University of Minho, Portugal

15:15 — *Traditional materials of Bracara Augusta: archaeology, conservation and sustainability*

Jorge Ribeiro | Lab2PT, University of Minho, Portugal

Ana Fragata | GeoBioTec, University of Aveiro, Portugal

15:30 — *Archaeology and Geosciences for the reconstruction of the processes involved in historic construction*

Antonio Pizzo | EEHAR-CSIC, Spanish Institute of Roman Archaeology, Italy

15:45 — *Dating the early Christian baptisteries from Idanha-a-Velha*

Adolfo Fernández | GEAAT, University of Vigo, Spain

16:00 — *Dating traditional materials*

Jorge Sanjurjo | IUX, University of A Coruña, Spain

16:15 — Discussion

16:45 — Closing

Fernando Rocha | GeoBioTec Coordinator, University of Aveiro, Portugal



Adolfo Fernández
GEAAT, University of Vigo, Spain

Adolfo Fernández Fernández obtained his PhD in Archaeology from the University of Vigo, specializing in Economy and Trade in Roman world. He is currently a Ramón y Cajal contract holder at the Faculty of History of the University of Vigo. He participates in several research projects, some of them international, such as the "Archaeology in Somaliland" or the "Lechaion" project in the port of Corinth (Greece). He is also PI of the project "Economy and trade in the Mauritania Tingitana province during the Late Antiquity" in collaboration with INSAP and also leads the excavations at the site of Tahaddart (Tangier, Morocco).

He is also the PI of projects such as research in the Roman city of Armea (2011-2022), archaeological excavations in the Atlantic islands of Ons and Sálvora and is leading the current research project at the site of Adro Vello. He has directed two doctoral theses and is the author of more than 100 scientific articles, including several monographs.



Ana Fragata
GeoBioTec, University of Aveiro, Portugal

Ana Fragata is researcher at GeoBioTec research unit at Geosciences Department from University of Aveiro. She holds a European PhD from the University of Aveiro with Technical University of Denmark (DTU) and an Advanced Training Diploma in Rehabilitation and Conservation of the Built Heritage from Instituto Superior Técnico (IST). Invited assistant professor at Universidade Portucalense Infante D. Henrique (UPT). She was researcher and member of the Scientific Council of the National Civil Engineering Laboratory (LNEC). She was awarded with the best doctoral presentation at HMC10 in Prague, given by RILEM TC 203-RHM Repair Mortars for Historic Masonry, in 2010. She was Sustainability intern at UNOPS – United Nations Office for Project Services in 2014-2015. She is founder and director of FICIS – International Forum of Smart and Sustainable Communities since 2015. She has participated in several FCT Research Projects and LNEC Programmed Research Projects. She is researcher in the project "Smart Cities and Law, E.Governance and Rights: Contributing to the Definition and implementation of the Global Strategy of Smart Cities" (NORTE-01-0145-FEDER-000063) coordinated by the University of Minho, since 2020. She is author of more than 40 publications in scientific journals, national and international conferences and scientific reports and has been invited as guest speaker at several national and international conferences and seminars. Her research area has been developed in the conservation of historic mortars and in the sustainability of built heritage and territories/smart cities, with methodological approaches supported by the mineralogy and geochemistry of materials and the statistical treatment of analytical data.



Antonio Pizzo

EEHAR-CSIC, Spanish Institute of Roman Archaeology, Italy

Antonio Pizzo, PhD in Archaeology, specialised in Archaeology of Construction and Archaeology and Roman Architecture, director of the Spanish School of History and Archaeology in Rome of the Spanish National Research Council (EEHA-CSIC).

Since 2010, he is associate researcher at the Département des Sciences de l'Antiquité, Unité de Recherche du CNRS UMR 8546 "Archéologue d'Orient et d'Occident », Archéologie du Bâti de l'École Normale Supérieure de Paris. Since 2014, is member of the Scientific Committee of the "Cuadernos de Prehistoria e Arqueología" (Autonomous University of Madrid - CUPUAM) and "Arqueologia da Arquitectura" (CSIC) journals.

He is involved, since its foundation, in the scientific activities of the Archaeology Institute of Merida (IAM), where he developed the research area "Archaeology of Construction".

In the last 20 years, he directed several archaeological excavations (theatre and amphitheatre of Merida, Contributa Iulia Ugultunia, Arch of Janus in Rome) and developed several studies about construction processes of ancient buildings, particularly from the Roman period, in Spain, Italy, France, Belgium, Luxemburg, among others. He edited 12 books and is author of around 100 scientific works, including five books, 32 book chapters, 29 journal articles and 21 conference papers. He is one of the researchers and editors of the series "Arqueología de la Construcción", published in five volumes, in Anejos de Archivo Español de Arqueología. In recent years, he has directed and been part of several research projects related to the study of urbanism and Roman and medieval construction in Spain, with emphasis on the city of Emerita Augusta (Arquitectura residencial y espacio urbano en Augusta Emerita), Italy (Tusculum – Excavaciones Arqueológicas 2020), Portugal (La arquitectura romana de la Lusitania. Producción y economía de los procesos de perduración, transformación e innovación técnica) and Morocco (Ricerche archeologiche nella città romana de Thamusida).



Jorge Ribeiro

Lab2PT, University of Minho, Portugal

Jorge Ribeiro is a contracted researcher at the Landscape, Heritage and Territory Laboratory (Lab2PT), a R&D unit of the University of Minho. He holds a PhD in Archaeology, from the same university (2010/11), a degree in Archaeology (2005), a degree in History - variant of Archaeology (2003) and a Bachelor in Tourism (1997). He is or has been involved in twelve national and three international projects, related to the study of Bracara Augusta (Architecture, society and economy). He co-edited two books and he is author/ co-author of fifty scientific works, including five books, seventeen book chapters, ten conference papers and twelve international journal articles. He organized eleven scientific meetings and nineteen research seminars, mainly related to Roman ceramics and construction processes. In the last 20 years, he has been collaborating with the Archaeology Unit of the University of Minho, having participated in several excavations (Roman theatre, Domus of Carvalheiras, Roman aqueduct of Gualtar, Santiago Seminary...). At the same time, he has taught several disciplines in the Degree and Master courses at the University of Minho, especially Classical Archeology, Roman Civilization, Medieval Archeology, Practical Work, Practical Internship and Research Seminars. He integrates three research networks, one of them focused in the study of architectural terracotta from Antiquity to Modern period. He has been keeping a regular activity in master thesis orientation with three completed and four ongoing theses. As regards to research, he has been working on different topics, namely the ancient construction theme, economics of construction, ancient architecture and archaeological materials (ceramics, tiles and bricks).



Jorge Sanjurjo
IUX, University of A Coruña, Spain

Jorge Sanjurjo-Sánchez is Professor at the Department of Physics and Earth Sciences and Researcher at the University Institute of Geology Isidro Parga Pondal (IUX) – University of A Coruña (Spain). Since 2010, he is responsible for the Unity of Geochronology of the same university, which is equipped with a luminescence dating laboratory. He is the author of more than 100 scientific articles and book chapters, and more than 60 articles in indexed journals in the Journal Citation Reports. He has also worked in several national and international projects on climate change, geomorphology and geoarchaeology in Europe, South America, Antarctica and Middle East. His research is focused on geochronology and dating techniques, namely by luminescence, radioisotopes geochemistry, geomorphology, geoarchaeology and archaeometry.



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Organizing Committee:

Jorge Ribeiro – Lab2PT, University of Minho

Ana Fragata – GeoBioTec, University of Aveiro

António Pereira – University of Minho

Organization:

