

Summer School



Bordeaux, 3-10 July 2023

List of Speakers

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Pair-Non-Pair Cave



Monday, July 3rd, 2023
 Departure (Bus): 14h

Meeting point: Allée Geoffroy Saint-Hilaire, in front of the B8 building, on the side of the parking lot.

The Pair-non-Pair cave is home to an exceptional bestiary dating back nearly 32,000 years, with representations of horses, bison, ibex, deer and mammoths, as well as an exceptional megaceros figuration, making it a must-see prehistoric site.

The participants will be divided in three alternating groups, the first will acquire some photogrammetric data in the cave, the second will stay outside acquiring surface scanner data, and the last will experience mixed reality in the museum.

Pair-Non-Pair Cave (Prignac et Marcamps, Gironde)
Engraving of a horse with its head turned.
 © Philippe Berthé/Centre des monuments nationaux



Monday, 3 July 2023

Core Curriculum Introduction

Location: Building B5, Amphitheater PABA	
8h30 - 9h	Registration
9h - 9h30	Welcome Speech [Christine Couture-Veschambre, Patrice Courtaud, Adeline Le Cabec]
9h30 - 11h	Introductory Lecture [Priscilla Bayle, Xavier Granier]
11h -12h30	Digitization in Archaeology: From the Physical to the Virtual Object [Bruno Dutailly, Adeline Le Cabec, Antoine Souron, Nicolas Vanderesse]
12h30 -14h	Lunch Break
14h - ~18h	Visit of the Pair-Non-Pair Cave [Bruno Dutailly, Loïc Espinasse, Vincent Baillet] (Bus: Be on time!! Meeting point: Allée Geoffroy Saint-Hilaire in front of the B8 building, on the side of the parking lot) Estimated return time: ~18h-18h30

Tuesday, 4 July 2023

Core Curriculum 3D Archaeology at a macroscopic scale

Location: Building B5, Amphitheater PABA	
9h - 10h	Segmentation of Micro-Tomographic Data [Nicolas Vanderesse, Adeline Le Cabec]
10h - 12h	Digital Archaeology: Theory [Bruno Dutailly]
12h -14h	Lunch Break
14h -15h30	Referenced Information System in 3D: a Digital Workflow to Solve Archaeological Issues? [Vincent Baillet]
15h30 - 17h	3D Mapping in Complex Natural Environment: from LiDAR Data to Multiscale Models [Kim Genuite]
17h - 18h	Keynote: Application of 3D to an Archaeological Excavation Site [Eneko Hiriart, potentially in French]
18h - 19h	Aperitive

Wednesday, 5 July 2023

Core Curriculum Geometric Morphometrics

Location: Building B8, 1st floor, computer room	
9h - 12h	Segmentation - Practicals [Priscilla Bayle, Adrien Thibeault]
12h - 14h	Lunch Break
Location: Building B5, Amphitheater PABA	
14h - 17h	Theory of Geometric Morphometrics: Concepts, History, Tools and Methods [Floriane Remy, Allowen Evin]
17h - 18h	Keynote: Tracking Domestication and the Evolution of Domestic Species [Allowen Evin]
18h - 19h	Aperitive

Thursday, 6 July 2023

Core Curriculum 3D Archaeology at a microscopic scale

Location: Building B5, Amphitheater PABA	
9h - 10h	Good Practices for an Eco-Responsible Data Management in an Open Science Context? (partially in French) [Alain Queffelec, Stéphanie Vincent]
10h - 11h	Surface 3D Microscopy: Tools and Methods [Alain Queffelec]
11h - 12h	3D Surfaces: What for? [Luc Doyon, Antoine Souron]
12h - 14h	Lunch Break
14h - 15h30	Confocal Microscopy Demonstration [Luc Doyon]
15h30 - 17h	Practising Confocal Microscopy [Alain Queffelec, Luc Doyon]
17h - 18h	Keynote: Digitize. Quantify. Standardize. Why it Matters in Traceology? [Ivan Calandra, by Zoom]

Friday, 7 July 2023

Practicals

	3D Archaeology at a microscopic scale	Geometric Morphometrics
Location	Building B2, 4th floor, Room 443	Building B8, 1st floor, computer room
9h - 12h	Processing, Handling and Analysing Data [Alain Queffelec, Luc Doyon]	2D and 3D Landmarks Acquisition [Floriane Remy, Antoine Souron, Yann Heuzé, Frédéric Santos]
12h - 14h	Lunch Break (Closing Speech)	
14h - 16h	Processing, Handling and Analysing Data [Alain Queffelec, Luc Doyon]	Statistical Analysis of Morphometrical Data [Floriane Remy, Antoine Souron, Frédéric Santos]

Friday, 7 July 2023

Practicals

3D Archaeology at a macroscopic scale	
Location: Archéopôle	
9h - 12h	Photogrammetry by Dense Correlation, from Theory to Field Practice [Vincent Baillet]
12h - 14h	Lunch Break (Closing Speech)
14h - 15h	Processing, Cleaning and Editing LiDAR Pointclouds [Kim Genuite]
15h - 16h	From 3D to 2D: making Digital Elevation Models for Archaeology [Kim Genuite]

Monday, 10 July 2023

Bonus Day

Location: Building B5, Amphitheater PABA	
9h - 12h	Workshop Morphometrics [<i>Floriane Remy, Antoine Souron, Yann Heuzé</i>]
12h -14h	Lunch Break (not provided)
14h -16h	Tour of the Micro-CT Scanner Facility at PLACAMAT [<i>Nicolas Vanderesse, Adeline Le Cabec</i>] Meeting point: in front of the B5 Building

NOTES

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Meeting Venues

