UNIVERSITÉ PARIS 1
PANTHÉON SORBONNE

FRANCE 2030

ANR

Technical gesture in archaeology

Tuesday 21st – Friday 24th May 2024,
Centre CNRS d'Aussois

Astrid Amadieu

ArChal

Challenge 4: Technology & Innovation

Marianne Christensen (Assistant Professor of Prehistory, Paris 1) – Challenge 4
François Giligny ((Professor in methods and theories in archaeology, Paris 1) – Methods

Tuesday 21 May - *Technical gesture and apprenticeship*

(13:45 – Arrival at the centre)   *14:00 – 15:00 Lunch*

15:00 – 15:30 – Welcome note, introduction and presentation of the teaching session *Technical gesture and apprenticeship* by Haris PROCOPIOU (Professor of Aegean Prehistory, Paris 1, Director of the EUR ArChal)

Workshop part 1 – Methods

15:30 – 19:00 – Filming the *chaînes opératoires* and technical gesture. Adrienne LO CARMINE (Documentary film director, Association *ClapClapCinoeil*), François GILIGNY (Professor in methods and theories in archaeology, Paris 1) and Cyrille GALINAND (Specialist in imaging and digital technologies, Paris1)

16:45 – 17:15 – Coffee break

1) Choosing the set-up according to the movie's objective
   ▪ The film as a medium for analysis
   ▪ The *camera-stylo*
   ▪ The film as a record of research
2) Narrative cinema: the object in transformation
   ▪ The perfect *chaîne opératoire* / search for the technical gesture
   ▪ Time and rhythm
   ▪ Image constraints / Sound constraints
3) Exercises: Editing the shot and uncluttering the image

Wednesday 22 May - *Technical gesture and apprenticeship*
Workshop part 2 – Methods

08:30 – 12:30 – Filming the *chaînes opératoires* and technical gesture.

10:30 -10:45 Coffee break

▪ Preparing for filming: Camera and sound equipment, shooting instructions
▪ Shooting
▪ Viewing the rushes and discussion

12:30 – 14:00 Lunch

Closing lecture of the technical gesture and apprenticeship session

14:00 - 15:00 – *Le geste technique et son apprentissage: Théorie et Méthode.* Blandine BRIL (Research director emeritus in Psychology and Cognitive Sciences at EHESS)

Workshop part 3 – Methods

15:00 – 19:00 – Filming the *chaînes opératoires* and technical gesture.

16:00 - 16:30 Coffee break

▪ Presentation of the editing software and the different stages of video editing
▪ Image and sound editing
▪ Exporting

Thursday 23 May – *Lectures on technologies and innovation*

09:00 – 10:00 – Iron metallurgy as an example of technological innovation and adoption. Gonzalo RUIZ ZAPATERO (Professor of Prehistory, UCM)

10:00 – 11:00 – (by videoconference) **A new product, new production methods, new practices and know-how: the technological innovation of the indirect iron-making process in the late Middle Ages.** Danielle ARRIBET-DEROIN (Lecturer in Medieval archaeology, Paris 1) and Philippe DILLMANN (Research director, CNRS; head of the *Archéomatériaux et prévision de l'altération* laboratory, University Paris-Saclay)

11:00 – 11:30 Coffee break

11:30 – 12:30 – **The Significance of Practice to Understand the Manufacture and Use of Copper Alloy Tools. A Cross-craft Perspective between Experimental Bronze and Wood Working.** Valentin LOESCHER (PhD student, Paris 1)

12:30 – 14:00 Lunch

14:00 – 15:00 – (by videoconference) **Towards the technical gesture in archaeology: a brief history of ordinary behaviour.** Nathan SCHLANGER (Professor of archaeology at the École Nationale de Chartes)

A different technology: Alphabet and Writing Session

15:00 – 16:00 – (by videoconference) **The invention of Egyptian writing: ideas and technologies.** Marco ZECCHI **(**Associate Professor in Egyptology and Coptic Civilization, UNIBO)

16:00 -16:30 Coffee break

16:30-18:30 - Alphabet and writing in Iron Age Italy: an innovative technology and its practice. Andrea GAUCCI **(**Associate Professor in Etruscology and Italic Antiquities, UNIBO)

Closing lecture

18:30 - 19:30 – Ce que nous dit la Préhistoire du feu sur les innovations techniques. Catherine PERLÈS (Professor emeritus of archaeology and prehistory at the University Paris Nanterre, UMR 8068 TEMPS)

Friday 24 May – Master students' projects

08:30 – 11:30 – Presentation of the collaborative M1 & 2 students' projects.

11:45 – 12:45 Lunch

(12:45 – Departure)

Reading list

Bril B. 2015, Chapter 5. Learning to Use tools: a functional approach to action, In Filliettaz L., Billett S. (eds)*, Francophone Perspectives of Learning Through Work. Professional and Practice-based Learning*, vol 12, Springer, p. 95-118.

Bril B. 2020, Geste technique et apprentissage : une perspective fonctionnelle, In Pion P., Schlanger N. (eds), *Apprendre. Archéologie de la transmission des savoirs.* La Découverte, p. 59-72.

Perlès C. 2023, Ce que le feu a vraiment changé, *L'Histoire*, Collection, N°101, p. 61-66.

Sigaut F. 1991, Un couteau ne sert pas à couper mais en coupant. Structure, fonctionnement et fonction dans l'analyse des objets, In *25 ans d'études technologiques en préhistoire. XIe Rencontres Internationales d'Archéologie et l'Histoire d'Antibes*, Juan-les-Pins, APDCA, p. 21-34.

Van der Leeuw S. 2011, The archaeology of Innovation: lessons for our times, In *Innovation Perspectives for the 21st Century*, Madrid, BBVA, p. 33-53.

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