

# ArChéoM 2025

## Artificial Intelligence for Archaeology: Potential and Challenges

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Date

**12.02.2025**  
**H09:30–19:30**

Location

**Via Liguria 20**  
**Roma**

**Istituto Svizzero**

Information

**Free entry**

Category

**Workshop**

istitutsvizzero.it

Each year, Istituto Svizzero hosts the archaeology departments of Swiss universities, providing a platform for work and discussion to raise the profile of Swiss archaeological research in the Mediterranean region.

Advancements in the field of artificial intelligence are progressing fast. The question of its applications in the humanities and its integration with established methods has therefore been a topic of growing interest. Recent developments are also unveiling a wide range of potential uses in archaeology—spanning from AI-supported image processing to computer-aided reconstruction. Currently, particular attention is being paid (though not exclusively) to innovations in visual data analysis.

#### Programme

H09:30

*Institutional greetings*

**Joëlle Comé**, Istituto Svizzero

**Ilyas Azouzi**, Istituto Svizzero

**Martin Guggisberg**, Basel

**Corinna Reinhardt**, Zurich

H09:45–10:45

**Ronak Kostl**, Erlangen-Nürnberg

*An Introduction to Computer Vision for Visual Data in Archaeology*

H10:45–11:15

Coffee break

H11:15–11:45

**Gabriele Gattiglia**, Pisa

*From ArchAIDE to AUTOMATA. AI applications for archaeological pottery*

H11:45–12:15

**Corinna Reinhardt**, Zurich

*Different ways of looking at Greek Vases?*

*Computer Vision approaches and image studies*

H12:15–12:45

**Valentine Bernasconi**, Bologna

*Computer vision on cultural artefacts: a digital art history perspective*

H12:45–14:15

Break

The workshop will be held in English and Italian

For more information, please contact [press@istitutosvizzero.it](mailto:press@istitutosvizzero.it)

Guests are welcome

New challenges and opportunities often arise only through practical implementation and interdisciplinary collaboration with computer science. This highlights the importance of fostering dialogue about both the possibilities and limitations of these technologies—a goal that this workshop seeks to address.

The event brings together input lectures from the fields of computer vision, archaeological projects, and related disciplines, while providing opportunities for discussion and exchange. The workshop invites especially also early-career researchers who want to explore and engage with this pioneering field.

H14:15–14:45

**Isabelle Marthot-Santaniello**, Basel

*AI and Digital Paleography of Greek Papyri: what is already possible, what is at hand?*

H14:45–15:15

**Rahel Ackermann**, Basel/Bern

*Digital Turn in Numismatics and AI*

H15:15–15:45

**Sylvian Fachard / Maria Elena Castiello**, Lausanne

*LiDAR-based remote sensing and Machine Learning modeling: the case of Eretria, Central Greece*

H15:45–16:15

Coffee break

H16:15–16:45

**Sabine Lang**, Erlangen-Nürnberg

*Processing Data with Machine Learning:*

*Potential applications in Art History and Provenance Research*

H16:45–17:15

Final Discussion

H17:15–17:30

Short break

#### Insights in Swiss Classical Archaeology

H17:30–18:30

*News from Swiss classical archaeology (excavations, research, and exhibitions)*

H18:45–19:30

**Keynote lecture**

**Lorenz Baumer**, Geneva

*Ritorno ad Anticitera – Nuovi metodi, dati e scoperte su un noto relitto antico*

19:30

Aperitif