

## Events

# UIDSS2024\_UID\_Summer School 2024, Drawing for the Gods: Selinunte, Temple F

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This year too, UID promoted a new doctoral workshop which, as usual, focused on a specific theme, that is, an intensive training activity carried out over the course of a week, and in which doctoral students from various parts of Italy participated and were guided during the study days by various professors.

For the year 2024, the CTS of UID organized a Summer School (fig. 1) [1] with the collaboration of the Department of Architecture of the University of Palermo and the Archaeological Park of Selinunte (TP) [2]. The Director of the Archaeological Park of Selinunte, Dr. Felice Crescente, immediately expressed the willingness of the Park to host the study and research activities, signing a Memorandum of Understanding with UID to establish the desire to develop joint activities aimed at the knowledge and enhancement of the archaeological heritage, also contributing to cover part of the expenses for the realization of the workshop. The UID paid for the registration, food and accommodation expenses of the working group, made up of PhD students enrolled in doctoral courses in the disciplines of Drawing. Furthermore, the participation of two PhD students from the École Nationale d'Architecture et d'Urbanisme (ENAU) of the University

of Tunis, whose expenses were fully covered by the UID [3], contributed to creating an international climate and restored the Sicilian context as a center of gravity and meeting place for multiple Mediterranean cultures. The theme of the advanced training course, which took place from 17 to 21 June 2024, focused on learning advanced technologies for the knowledge and representation of ancient architecture, well exemplified by the typology of the Greek temple. Among the remains of the ancient Siceliot city, Temple F was identified as the field of application of the training activities. Located on the eastern hill of the Park together with two other temples (E and G) (fig. 2), it is not only the oldest and smallest of the three but also the one that has suffered the most looting. Starting from classroom lessons, the students were reminded of how Greek temples established direct relationships with the surrounding landscape and, at the same time, how the blocks of which they are made still retain visible traces of processing, albeit of a few millimeters.

Specifically, the field phase and the analysis of the ruined Temple F became opportunities not only to imagine the complexity of the factory and its relationships with the environmental

context but also to propose a conjectural reconstruction. In this sense, equipped with their own laptop suitable for the processing of digital models, resulting from laser scanner and photogrammetric surveys, the participants had the opportunity to compare different technologies and methodologies for the survey, arriving at several proposals for reconstructive models and the development of critically evaluated solutions for their visualization and dissemination.

The workshop opened on the afternoon of June 17, 2024 with institutional greetings from the Deputy Pro-Rector (Enrico Napoli) and the Director of the Department of Architecture of the University of Palermo (Francesco Lo Piccolo), the Director of the Archaeological Park of Selinunte, Pantelleria and Cave di Cusa (Felice Crescente), the President of the Italian Union for Drawing (Francesca Fatta) and the member of the CTS UID (Francesco Maggio), who illustrated the purposes and motivations that guided the scientific and organizational committee in setting up the activities.

The workshop was divided into several focuses: Archaeological Studies, with essential contributions to contextualize both the more general theme of study (edited by Martine Fourmont, CNRS)



Fig. 1. Banner of the event.

and the construction techniques of the Greek world (edited by Carlo Zoppi, University of Eastern Piedmont); Historical and design dimension of the archaeological landscape, with contributions from Marcella Aprile and Maria Sofia Di Fede (University of Palermo); Survey/Reconstruction/Visualization, with practical lessons by the company MicroGeo, with whose contribution a day was organized dedicated to technological experimentation and 3D acquisition with integrated digital technologies, using both the static Faro Focus scanner and the dynamic Faro Orbis scanner.

At the end of the first two days of preparation for the design phase, in which theoretical studies and practical experiments were addressed, the doctoral students were divided into five working groups, each dedicated to a

specific topic (rapid prototyping; augmented reality; equirectangular images; motion tracking; serious game). At the end of the days of work, the results of the conjectural reconstruction of Temple F highlighted a renewed ability of the participants to tackle complex problems, adopt scientifically recognized solutions, experimenting with new analysis and representation tools. Specifically, the group: 'rapid prototyping' explored the use of 3D printing technologies for the reproduction of archaeological models, highlighting the critical issues and potential of these tools in research and dissemination contexts; 'augmented reality' developed an interactive application to superimpose digital information on real finds, improving knowledge of the historical-cultural context; 'equirectangular images' produced high-resolution

immersive paths, useful for the documentation and enhancement of archaeological sites; 'motion tracking' experimented with motion tracking techniques to develop a video on the conjectural reconstruction of a corner of Temple F; 'serious game' scientifically designed a game with educational purposes to raise public awareness of the fundamental construction elements of a Greek temple.

The seminar concluded on the morning of June 21, 2024 with a presentation by the students of the works produced. Retracing the thematic division of work, each of the five groups presented the first results of the experience conducted, demonstrating a rigorous and innovative methodological approach, enhanced both by the use of advanced technologies and by critical reflections on their applications in their respective thematic areas. At the end of the session and regardless of the specific outcomes, Francesco Maggio thanked and greeted the participants and members of the organizing committee, underlining how the interaction between different knowledge and skills represented the added value of the initiative and, at the same time, how from the verification of the results it clearly emerged that the experience of the Summer School 2024, promoted by UID on the theme Drawing for the Gods: Selinunte, Tempio F, favored the integration between theoretical knowledge and practical skills, contributing significantly to the disciplinary training of the participants. The results of the doctoral workshop, Drawing for the Gods: Selinunte, Tempio F, were then presented during the UID 2024 conference in Padua/Venice (13 September) by Francesco Maggio with the participation of the doctoral students.



Fig. 2. The Selinunte Archaeological Park.

### Notes

[1] Coordinating Committee: F. Fatta, E. Ippoliti, F. Maggio, A. Sdegno, O. Zerlenga.

[2] Organizing Committee: F. Agnello, F. Avella, M. Cannella, F. Di Paola, V. Garofalo, A. Garozzo, G. Girgenti, F. Maggio, M. Milone, S. Morena.

[3] PhD Students: Davide G. Abbate (University of Palermo); Pietro Azzola (University of Bergamo); Gianluca Barile (University of Naples Federico II);

Caterina Borrelli (University of Salerno); Emanuela Borsci (University of Basilicata); Alessandra Coppola (University of Naples Federico II); Stefano Costantini (Sapienza University of Rome); Angelo De Cicco (University of Campania Luigi Vanvitelli); Barbara De Nitto (Roma Tre University); Virginia Droghetti (University of Parma); Marco R. Geraci (University of Palermo); M. Isabella Grammauta (University of Palermo); Rosina Iaderosa (University of Campania Luigi Vanvitelli); Ali Yaser

Jafari (University of Basilicata); Stella Lolli (University G. D'Annunzio Chieti-Pescara); Olfa Mellouli (ENAU Tunis); Federica Miconi (University of Molise); Lorella Pizzonia ('Mediterranea' University of Reggio Calabria); Nicola Rimella (Polytechnic of Turin); Nicola Rossi (Polytechnic of Bari); Andrea Sias (University of Sassari); Francesco Stilo ('Mediterranea' University of Reggio Calabria); Giorgia Strano (Sapienza University of Rome); Alim Wiem (ENAU Tunis).

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