

Final Announcement

“Advanced Summer School: Close-Range Remote Sensing in Geospatial Applications”

5-Day Intensive Program | 6-10 July 2026 | Romanos, Greece

Organized by: Remote Sensing Lab, NKUA

Curriculum Highlights

Day 1	Lectures: <i>Theoretical Background, Fundamental Concepts of Close-Range Remote Sensing</i>
	Content: Introduction to close-range remote sensing, principles of UAS, TLS, and GNSS
	Duration: 6 hours (in-person)
Day 2	Lectures: <i>Fieldwork Planning</i>
	Content: Mission planning and data acquisition protocols. Regulatory framework for flight operations.
	Duration: 6 hours (2 hours in-person theory, 4 hours flight planning workshop and practical exercises)
Day 3	Lectures: <i>Data Collection with TLS, UAS, and GNSS</i>
	Content: Practical training with TLS, real-world scanning, GNSS data acquisition for accuracy control, hands-on exercises with multirotor UAS equipped with various sensors, and fixed-wing UAS. Fieldwork will be organized in three groups of five participants, rotating among the three equipment categories (TLS, multirotor UAS, and fixed-wing UAS). The practical exercises will take place in an active fault zone in the Voidokilia area, on the sand dunes of the same region, and at the Gialova Lagoon.
	Duration: 8 hours (field practice)
Day 4	Lectures: <i>Laboratory Data Processing Exercise</i>
	Content: Generation of point clouds from photogrammetry and TLS, data cleaning and merging, production of DSM, DTM, and orthophotos.
	Duration: 8 hours (in-person)
Day 5	Lectures: <i>Applications and Presentations</i>
	Content: Integration of data into GIS, participant project presentations, discussion of best practices.
	Duration: 4 hours (in-person)

Learning Outcomes

The summer school addresses the need to combine theoretical training with hands-on practice under real field conditions, offering participants working in the fields of environment, archaeology, geology, and surveying:

- Specialized knowledge for planning and executing data collection missions.
- Skills in operating state-of-the-art equipment and processing software.
- Capability to integrate generated products into research and professional projects.

The program's rationale lies in the necessity to strengthen the scientific and technological capacity of professionals, enabling them to meet modern requirements for accuracy, detail, and innovation in geospatial applications.

Upon successful completion of the program, participants will receive a Certificate of Attendance from National and Kapodistrian University of Athens (Centre for Continuing Education and Lifelong Learning).

Venue

Indoor: All participants will be hosted at the **Navarino Environmental Observatory (NEO)** Research Facility, which provides integrated spaces for accommodation, lectures, and meals, fostering a collaborative learning environment.

Outdoor: Field activities will take place in the **Voidokilia Natura 2000 protected area**, a stunning coastal dune landscape featuring active fault zones, a lagoon ecosystem, and diverse geomorphological formations — ideal for hands-on training in UAS, LiDAR, GNSS surveying, and photogrammetry.

Participants

The summer school will host up to 15 individuals with a degree in environmental studies, archaeology, geology, and surveying.

Pricing

Full participation fee: **1,250€***

Including:

- **Accommodation:** 5 nights in 2-bed or 4-bed rooms (at NEO)
- **Meals:** Full boarding (breakfast, light-lunch, and dinner) for 5 days
- **Transportation:** Round-trip transfers from Kalamata and to all practical fieldwork sites

**Discounts available for special categories (early bird 10% etc.)*

Important dates

15/3	Application opening
20/4	Application ending
5/5	Application acceptance
31/1	Early bird fee (10% discount) or Down-payment (300€)
20/6	Final payment

Contact & Registration

For expressing interest for participating, please contact: evasilak@geol.uoa.gr