

Advanced Technologies for Hydrological Monitoring

Naples, 16 - 23 October 2024



UNIVERSITY
OF TWENTE.



Blended Intensive Programme



Erasmus+

For info:

angelo.avino@unina.it

cristinacaramiello80@gmail.com

Advanced Technologies for Hydrological Monitoring Naples, 16 - 23 October 2024

	Wednesday 16 October 2024	Thursday 17 October 2024	Friday 18 October 2024	Saturday 19 October 2024
Time				
10:00 - 10:30	Registration	Dr. Dariia Strelnikova - CUAS Theory and methods for river monitoring with drones	Dr. László Bertalan - UD Hydromorphological River Erosion	Field Activities
10:30 - 11:30	Ice Breaker Round of the table	Coffe Break	Coffe Break	
12:00 - 13:30	Prof. Salvatore Manfreda - UNINA Innovations in Hydrological Monitoring	Prof. Gernot Paulus - CUAS Real case application and standard protocols in river monitoring	Prof. Sorin Herban - PUT Structure from Motion photogrammetry	
13:30 - 14:30	Lunch break	Lunch break	Lunch break	
15:00 - 16:30	Dr. Seifeddine Jomaa - UFZ Water Quality Monitoring	Dr. László Bertalan - UD Planning hydrological surveys: systems and tools	Structure from Motion photogrammetry practice	
16:30 - 18:00	Prof. Sorin Herban - PUT Introduction on Positioning Systems and Geo-referencing	Dr. Seifeddine Jomaa - UFZ Multisectorial Water Management		
20:30			Social Dinner	
in presence lecture (1h lecture + 30min discussion with students)			online lecture	practical lecture

Time	Monday 21 October 2024	Tuesday 22 October 2024	Wednesday 23 October 2024
10:00 - 10:30	Prof. Anette Eltner - TUD Velocimetry and bathymetry monitoring with drones	Ing. Khim Cathleen Saddi - UNINA Plastic Monitoring with Camera Systems	Final project presentation
10:30 - 11:30	Coffe Break	Coffe Break	
12:00 - 13:30	Prof. Anette Eltner - TUD Stationary camera gauging (water level, AI)	Ing. Domenico Miglino - UNINA Water Turbidity Monitoring with Camera Systems	
13:30 - 14:30	Lunch break	Lunch break	
15:00 - 16:30	Prof. Yijian Zeng - UT Soil-Plant Digital Twin	Prof. Salvatore Manfreda - UNINA UAS Tools and Applications	
16:30 - 18:00	Prof. Yijian Zeng - UT Soil-Plant Digital Twin practical applications		
in presence lecture		online lecture	practical lecture



UNIVERSITY
OF TWENTE.

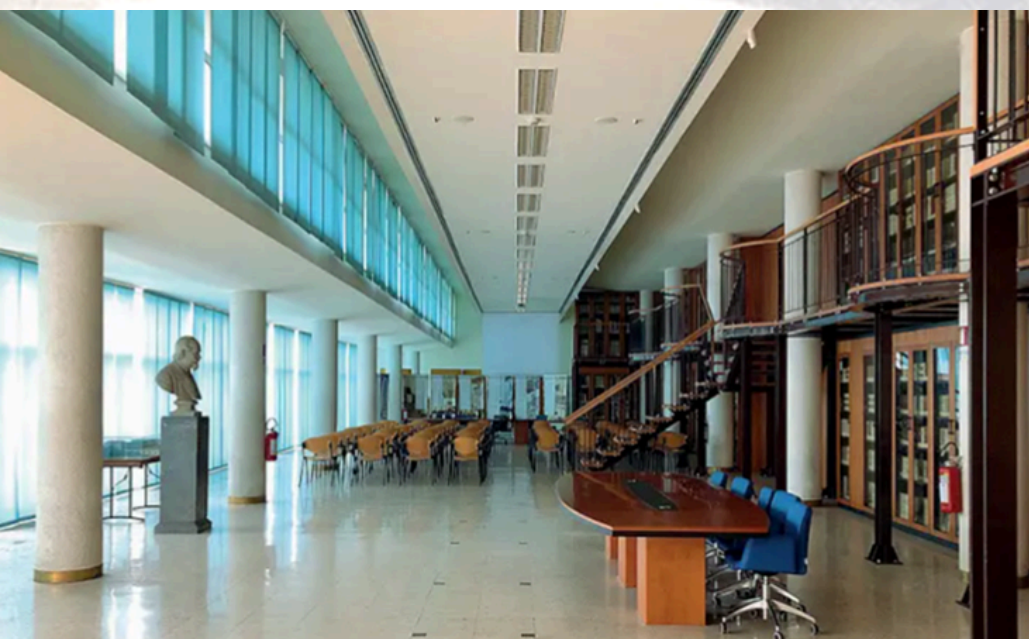


Natural
Tracers

(a)

(b)

The event will take place at the Historical Library of the Faculty of Engineering in Piazzale Tecchio, Fuorigrotta, Naples.



The library's collection spans a vast timeframe, encompassing key eras and significant historical events. It houses over 6,000 ancient books and documents related to Engineering and Architecture. This extensive bibliographic archive reflects the ongoing technical and scientific advancements of Neapolitan engineers from the seventeenth century through to the post-World War II period.

By train:

- **Railways: Napoli Campi Flegrei Station**
- **City train line Cumana: stop Mostra Station**
- **Subway Metro Line 6: stop Mostra Station**
- **Subway Metro Line 2: stop Campi Flegrei Station.**

By bus:

- **151 ANM Line: from Piazza Garibaldi, Molo Beverello or Piazza Vittoria to Piazzale Tecchio.**

For further information, visit:

<https://www.costharmonious.eu/2024/09/06/bip-advanced-technologies-for-hydrological-monitoring/>

