25 SEPTEMBER

Hydrology WEBINAR

Organized by IMSA

NUIST - IMSA

Discover how drones, satellites, cameras and AI are transforming the way we observe rivers, assess floods and manage water resources.

Observing Rivers from Above Drones, Satellites, Cameras and AI for Hydrology

Prof. Salvatore Manfreda

Full Professor of Water Management & Hydrology, DICEA
University of Naples Federico II, Italy
Chair, MOXXI Working Group (IAHS)

About the Speaker

Prof. Salvatore Manfreda is a Full Professor of Water Management and Hydrology at the Department of Civil, Architectural and Environmental Engineering (DICEA), University of Naples Federico II, Italy, and Chair of the MOXXI Working Group of the International Association of Hydrological Sciences (IAHS). His research lies at the intersection of hydrology, environmental monitoring and emerging observation technologies, with expertise spanning hydrological modelling, soil-moisture dynamics, eco-hydrology, flood-risk assessment, satellite and drone-based remote sensing, and image-based river monitoring using computer vision and artificial intelligence.

Why this Webinar?

This webinar offers NUIST students an opportunity to explore how remote sensing, UAVs, artificial intelligence and advanced hydrological observation techniques are transforming modern water science. Participants will gain insights into emerging approaches for river monitoring, flood assessment, water-resource management and environmental observation, followed by an interactive Q&A session.

ON-CAMPUS PARTICIPANTS

Building : Mingde Building
Room : N215
Time : 5:00 PM CST / 11:00 AM CEST

OFF-CAMPUS PARTICIPANTS

Platform : Microsoft Teams
Meeting ID : 318 589 279 375 110
Passcode : sr9mr7iN

Scan to Join the Group

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MOXXI Measurements & Observations in the 21st Century
Working Group - International Association of Hydrological Sciences

HydroLAB

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