



Stage #2

September 6, 2024



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www.safetour.massimilianolega.it

Science Tour
2024-2025

Situational Awareness for the Environment: see the unseen ... beyond perception

This event will explore the crucial distinction between knowledge and awareness, particularly in the context of environmental challenges. By defining "situational awareness," the discussion will delve into how we progress from merely understanding phenomena to fully recognizing the complexities of related situations. The event will highlight humanity's drive to enhance sensory perception, demonstrating how advanced technologies like remote sensing and environmental forensics enable us to "see the unseen" and make informed decisions. Through interdisciplinary approaches and real-world case studies, the talk will showcase the importance of integrating applied intelligence across various fields. Kicking off with a keynote speech by Prof. Massimiliano Lega, followed by a presentation from Prof. Roberta Teta, the event will introduce innovative techniques and methodologies for tackling environmental issues. Inspired by Prof. Lega's collaboration with Fulbright program and National Geographic, this event marks Stage #2 of the SAfE Tour.

The interactive talk at Stage #2 is designed for the entire scientific and academic community, including students, researchers, and professors. The discussion will explore advanced strategies for safeguarding human health and the environment, with a focus on integrating remote, proximal, and in situ sensing techniques with bioindication and environmental forensics. It will address both global and local challenges, such as harmful algal blooms. The session also aims to foster new collaborative opportunities, including joint research and educational programs. Finally, speakers will highlight the importance of cultural exchange and community engagement.

STAGE#2 main info



date:
September 6, 2024



time:
11:00 AM to 1 PM



location:
Monell Auditorium - Lamont Campus, Columbia University,
61, Rte 9W, Palisades, NY 10964
as well as online (the link will be published on the website)



website:
www.safetour.massimilianolega.it



Host Institution:
Columbia University in the City of New York
Lamont - Doherty Earth Observatory

Speakers on stage



**KeyNote
Speaker**

Massimiliano Lega, PhD
Professor
Dept. of Engineering
University of Naples Parthenope - Italy



**Invited
Speaker**

Roberta Teta, PhD
Professor
Dept. of Pharmacy
University of Naples Federico II - Italy



**Chair
Speaker**

Christopher J. Zappa, PhD
Professor
Lamont - Doherty Earth Observatory
Columbia University - USA