

## SEMINAR ANNOUNCEMENT

FRIDAY, FEBRUARY 6, 2026

# 4D LANDSLIDE SENSING & AI HAZARD CLASSIFICATION

### EVENT DETAILS

Speaker: **Dr. Stratis Karantanellis**

Date: Friday, February 6, 2026

Time: 1:00 to 2:00 pm

Location: Holmes Hall 244

### ABSTRACT

This presentation examines the integration of traditional geotechnical mapping with 4D remote sensing (UAV, LiDAR, and satellite data) to address the spatial complexities of landslide hazards. By leveraging AI and machine learning, we can automate hazard classification and identify critical precursors to slope failure. Case studies will demonstrate how merging field-based ground-truthing with multi-modal data improves predictive accuracy and disaster resilience.



### ABOUT THE SPEAKER

Dr. Stratis Karantanellis is an Assistant Professor at CSU Fullerton and Vice President of the IAEG. His research, supported by a Ph.D. from Aristotle University and fellowships at the University of Michigan and UC Berkeley, focuses on AI-driven geohazard classification and quantitative risk assessment to protect global infrastructure.



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