ARTIFICIAL INTELLIGENCE FOR BIG SATELLITE DATA

GREECE AT THE FOREFRONT OF EUROPEAN RESEARCH

Online Workshop Agenda, 25 February 2021

Time slot (CET)	Presentation topic
09:00 – 09:10	**Introduction to the Workshop** Ioannis Papoutsis, National Observatory of Athens
09:10 – 09:30	**Integrating machine learning and system modelling for Earth System understanding** Markus Reichstein, Max Planck Institute for Biogeochemistry
09:30 – 09:50	**Fitting is just a tiny bit: Towards Interpretability and Causality in Earth sciences** Gustau Camps-Valls, University of Valencia
09:50 – 10:10	**Deep Learning in Remote Sensing: The Challenge of Labeled Data** Lorenzo Bruzzone, University of Trento
10:10 – 10:30	Q&A Session
10:30 – 10:45	Coffee Break
10:45 – 11:00	**DeepCube – Explainable AI pipelines for big Copernicus data** Ioannis Papoutsis, National Observatory of Athens
11:00 – 11:15	**Big Earth Data for Urban Climate and Resilience** Nektarios Chrysoulakis, Foundation for Research and Technology Hellas
11:15 – 11:30	**Learning to Detect Changes from Multi-temporal EO Data** Konstantinos Karantzalos, National Technical University of Athens
11:30 – 11:45	**Semantic technologies for big Copernicus data** Manolis Koubarakis, National and Kapodistrian University of Athens
11:45 – 12:00	**AI4Copernicus - integrating AI4EU AI-on-demand platform with DIAS platforms** Vangelis Karkaletsis, National Center for Scientific Research “Demokritos”
12:00 – 12:15	**Multimodal fusion of EO and non-EO data for Big Data analytics** Stefanos Vrochidis, Information Technologies Institute - Centre for Research and Technology Hellas
12:15 – 12:45	Q&A Session

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