

HIGHLIGHT

KIOS Director received the highest-level award in the field of Artificial Intelligence for his pioneering research contributions



Marios Polycarpou, Professor in the Department of Electrical and Computer Engineering and Director of the KIOS Center of Excellence at the University of Cyprus, was honored with the prestigious 2023 IEEE Frank Rosenblatt Technical Field Award, which is the highest-level distinction for scientists conducting groundbreaking research in the field of Artificial Intelligence.

The award ceremony took place on July 2, 2024, in Japan, within the context of the prestigious IEEE World Congress on Computational Intelligence (IEEE WCCI 2024), which attracted more than 2,500 scientists from across the globe.

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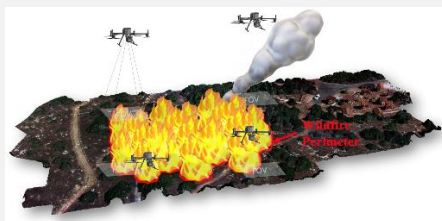
KIOS Center of Excellence received the “Digital Water Award” 2024 by Water Europe



The KIOS Center of Excellence is among the winners of the 2024 Water Europe Innovation Awards, receiving the “Digital Water Award” 2024 (<https://watereurope.eu/>) for the research, development, and demonstration in field exercises of an innovative software tool for investigating pathogen contamination events in water systems, “PathoINVEST”.

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GLIMPSE project outcomes: Innovative autonomous multi-agent systems for enhancing emergency response



The GLIMPSE project has pioneered the development of an innovative multi-drone framework for search-and-rescue missions, addressing numerous challenges in disaster response, including intelligent decision-making, accurate state estimation in uncertain environments, and efficient multi-agent cooperative control and planning for emergency response missions.

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IDEATION, a new European project set to advance technologies to integrating inland waters and ocean in a unique digital twin



On the 25th & 26th of June, the IDEATION (Inland watErS in the digitAl Twin Ocean) project officially kicked-off its activities. This aspiring new Horizon Europe project, funded by the European Climate, Infrastructure, and Environment Executive Agency, aims to provide the fundamentals for a digital twin, a real-time virtual representation of a physical system, for inland waters that will be integrated in the Digital Twin Ocean, creating a unified model of the hydrosphere.

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New research projects related to mobility

EvoRoads: Evolutionary Solutions for Realizing a Holistic Safe System Approach for All Road Users

The project aims to accelerate the attainment of the EU’s “Vision Zero” goal through a holistic framework of innovative models, tools and services that enable data-driven evolution of safety assessment frameworks, facilitate dynamic monitoring of cyber-physical infrastructures, and promote the proactive warning for safety risks in complex environments.

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AutoTRUST: Novel autonomous AI solutions to support safe, resilient and smart mobility

The project aims to develop and demonstrate a novel AI-leveraged self-adaptive framework of advanced vehicle technologies and solutions which optimize usability, perception, and experience on-board, and when boarding/off-boarding, in terms of security, privacy, well-being, health and assistance.

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KIOS CoE organizes the 6th Graduate Training School on Intelligent Systems and Control



The KIOS CoE in collaboration with Imperial College London, organizes the “6th KIOS Graduate Training School” on intelligent systems and control, from 2 – 5 September 2024 at the University of Cyprus Campus. Three world-recognized experts in their fields, Prof. Jalal Kazempour (Technical University of Denmark), Prof. Awais Rashid (University of Bristol, UK) and Prof. Florian Dörfler (ETH Zürich), will lecture at the Training School.

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