A R I S T O T L E U N I V E R S I T Y O F T H E S S A L O N I K I
P R E S S O F F I C E

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PRESS RELEASE

Three Key Courses at the Symposium and Summer School on Artificial Intelligence "AIDA AICET2025"

Thessaloniki, July 3, 2025

Three high-value, targeted courses on modern applications of Artificial Intelligence and Machine Learning will be offered as part of the international Symposium and Summer School on Artificial Intelligence ("AIDA AICET2025 – AI/ML Cutting Edge Trends Symposium & Summer School").

The International Symposium is organized by the International AI Doctoral Academy (AIDA), in collaboration with Aristotle University of Thessaloniki, and will take place from July 14 to 18, 2025, at the AUTH Research Dissemination Center (KEDEA).
The three courses are addressed to symposium participants with different levels of experience in Artificial Intelligence, as follows:

1. Introductory Foundation Course in AI/ML: Deep Learning – July 13, 2025
Instructor: Professor Ioannis Pitas (AUTH)
Offered one day prior to the official opening of the Symposium, this course aims to quickly enhance participants' foundational knowledge of Deep Learning concepts. It is intended for students, scientists, and professionals without prior experience in the field. For more information, please follow the link: https://icarus.csd.auth.gr/pre-symposium-introductory-short-course-on-deep-learning/

2. Deep Learning and Computer Vision for Industrial Infrastructure Inspection – July 15, 2025
This course focuses on the use of AI and Computer Vision for automatic inspection and damage detection in industrial infrastructures such as bridges, pipelines, and large-scale structures. It includes real-world applications and cutting-edge approaches in the field

of Industrial Monitoring. For more information, please follow the link: https://icarus.csd.auth.gr/short-course-on-deep-learning-and-computer-vision-for-industrial-infrastructure-inspection-2/

3. Big Visual Data Analytics for Natural Disaster Management (NDM) – July 18, 2025
This course focuses on using AI and large-scale visual data analytics (Big Visual Data) for the prevention, monitoring, and response to natural disasters. It presents cutting-edge Computer Vision and Machine Learning techniques that enable automatic processing of data from satellites, drones, and ground sensors for hazard detection, damage assessment, and crisis management optimization.
It is suitable for engineers, researchers, and civil protection professionals seeking to leverage AI in the field of resilience and natural hazard management.
For more information, please follow the link: https://icarus.csd.auth.gr/big-visual-data-analytics-for-natural-disaster-management-2/

The courses will be conducted in English. Basic knowledge of Mathematics is very helpful for a proper understanding of the material. Attendance can be either in person (at KEDEA, Aristotle University) or online.

These courses are held within the framework of AIDA AICET2025 – AI/ML Cutting Edge Trends Symposium & Summer School.
The official website of the Symposium, where registration is also available, is: https://icarus.csd.auth.gr/aida-auth-ai-cutting-edge-trends-aicet2025-summer-symposium-and-school/

We kindly request that this event be published, broadcast, and covered by the media.