AIIA.CVML research group

Prof. Ioannis Pitas
Aristotle University of Thessaloniki
pitas@csd.auth.gr
www.aiia.csd.auth.gr
Version 1.2
Date: 15/11/2024

**Artificial Intelligence &
Information Analysis Lab**

AUTH/AIIA Lab

Machine Learning

Computer Vision

Multimedia & Social Media

Computer Graphics

❑ *Computer Vision*
  ➢ Semantic image/video analysis
  ➢ Multi-view & stereoscopic image/video analysis

❑ *Machine Learning*
  ➢ Deep Learning & Neural Networks
  ➢ Kernel Machines
  ➢ Embedded AI for Robotics

❑ *Multimedia & Social Media*
  ➢ Semantic Multimedia & Social Media Analysis
  ➢ Multimedia Protection and Forensics
  ➢ Intelligent Cinematography

❑ *Computer Graphics*

Artificial Intelligence & Information Analysis Lab

Computer Vision and Machine Learning

Autonomous Systems
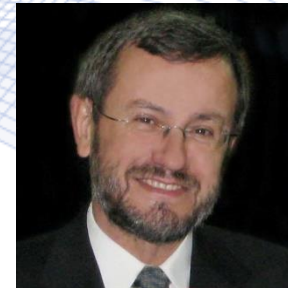
AUTH/AIIA Lab

Statistics

- ❑ 1300+ papers in academic conferences and journals
- ❑ 54 book chapters
- ❑ 15 books
- ❑ 38000+ citations (source: Google Scholar)

Personnel

- ❑ 5 Faculty Members
- ❑ 1 Post-Doc
- ❑ 20+ researchers

Overall: 75 RTD projects (EU and national)

- ❑ TEMA, Trusted Extremely Precise Mapping and Prediction for Emergency Management, HE (Coordinator), (ongoing)
- ❑ SIMAR, Safe Inspection and Maintenance supporting workers with modular robots, Artificial intelligence, and augmented Reality, HE, (ongoing)

Prof. Ioannis Pitas   Dr. Vasileios Mygdalis

Artificial Intelligence Information Analysis

Artificial Intelligence & Information Analysis Lab

What is on store

- **Coordinator of the International AI Doctoral Academy**
https://www.i-aida.org/
- **232 CVML web lectures: http://icarus.csd.auth.gr/cvml-web-lecture-series/**

- ICARUS http://icarus.csd.auth.gr/
- AI4Media (https://ai4media.eu/)
- TEMA (https://tema-project.eu/)
- CVML email list and resources https://aiia.csd.auth.gr/gr/cvml/

Artificial Intelligence &
Information Analysis Lab

R&D cooperation opportunities in AIIA Lab

- **Many open Postdoc, PhD, MSc research positions.**
  - Computer Vision and Machine Learning
  - Applications in:
    - Natural Disaster Management
    - Industrial Surveillance

- **Short young researcher visits.**

Artificial Intelligence &
Information Analysis Lab

International AI Doctoral Academy (AIDA)

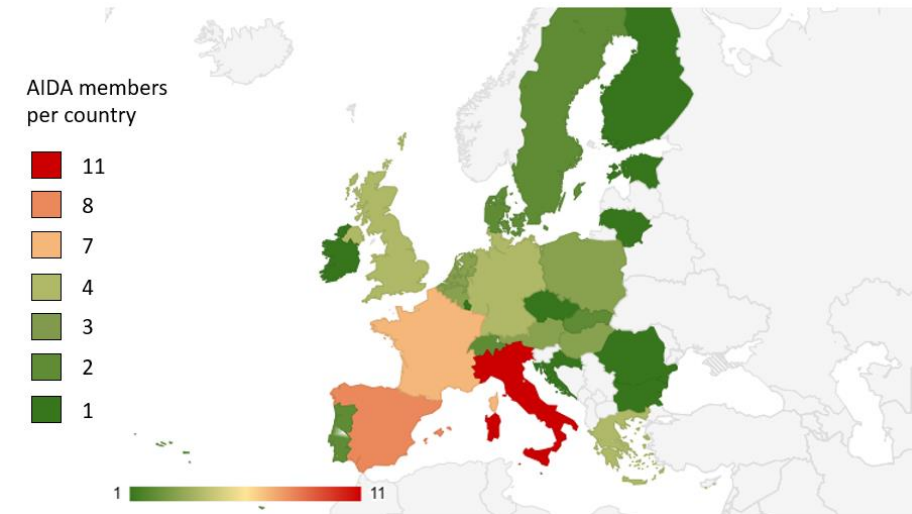**Excellence in AI PhD research and education.**

Membership:

80 members (60 AI Universities, and 20 R&D centers, companies).

Geographical coverage of almost the entire Europe.

Operation highlights:

- **AIDA Lecturers**: 160.

- **AIDA Students**: 243 (226 PhD and 17 Post Docs).

- **Junior fellows exchange program**: **88 secondments,** involving 65 organizations across Europe and beyond.

- **AIDA courses**: 82 delivered courses in total.

- **AIDA courses** have attracted a total of **3300+ participants.**

- **AIDA email list registrants**: 1100+.

- **51 Lectures** in AI Excellence Lecture Series attracting ~110 attendees on average.

- **329 AIDA AI educational resources.**

- **22 AIDA educational material curators** (15 from AI4Media).

AIDA members per country

🟥	11
🟧	8
🟧	7
🟩	4
🟩	3
🟩	2
🟩	1

Artificial Intelligence & Information Analysis Lab

International AI Doctoral Academy (AIDA)

More infos on AIDA activities: https://www.i-aida.org/

- BSc/MSc/PhD students or graduates on CS/ECE or any scientific discipline from all over the world can join the AIDA courses or attend AIDA AI Excellence Lectures: https://www.i-aida.org/phd-studies/short-courses/
https://www.i-aida.org/event_cat/ai-lectures/

University Professors and/or PhD holders from any Institution worldwide can offer AIDA courses or seasonal schools.

- Procedure and application from in: https://www.i-aida.org/phd-studies/short-courses/

Universities/R&D centers from all over the world can join as AIDA members:

- Procedure and application from in: https://www.i-aida.org/about/members/

Artificial Intelligence & Information Analysis Lab

Q & A

Thank you very much for your attention!

More material in
http://icarus.csd.auth.gr/cvml-web-lecture-series/

Contact: Prof. I. Pitas
pitas@csd.auth.gr

Artificial Intelligence &
Information Analysis Lab