

RECENT RESEARCH PROJECTS

<https://dossier-project.eu/>



Domain Specific Systems for Information Extraction and Retrieval

Duration: 2019 – 2023

Funding: Marie Skłodowska-Curie, EU Horizon 2020
Scientist in charge: Michail Salampasis

<https://dsplab.feri.um.si/en/cost-ca18231-multi3generation/>



Multi3Generation: Multi-task, Multilingual, Multi-modal Language Generation

Duration: 2019 – 2023

Funding: European Cooperation Soft carriage Return in Science and technology
MC members: Michail Salampasis and Konstantinos Diamantaras

<https://nlp-theatre.freecluster.eu/?i=1>



NLP-Theatre : Innovative Applications of Natural Language Processing and Digital Media in Theatre and Performing Arts

Duration: 2019 – 2023

Funding: ESPA - 2014-2020,
Action "Research-Create-Innovate"
Scientist in charge: Konstantinos Diamantaras

<https://www.fres-project.gr/>



FRES : Flexible REcommendation Systems for Big Data

Duration: 2018 – 2022

Funding: ESPA - 2014-2020,
Action "Research-Create-Innovate"
Scientist in charge: Konstantinos Diamantaras

<https://draive.gr/>



**draive:
Putting the AI in drive**

Duration: 2021 – Today

Funding: Self-funding by ISLAB and Students Machine Learning Team
Scientist in charge: Konstantinos Diamantaras

The ISLAB's is mostly involved in the emerging and interdisciplinary field of Data Science that deals with vast volumes of data using modern tools and techniques to find unseen patterns, derive meaningful information, and make business decisions. Typically data science uses complex machine learning algorithms to build predictive models. Some areas that we conduct research and collaborate in research projects are: information retrieval, recommender systems, natural language processing and understanding, computation intelligence, semantic web, image and signal processing, knowledge management, pattern recognition and intelligent tutoring systems.

+ Contact Details

Mailing Address:

International Hellenic University
Department of Information and Electronic Engineering
P.O Box 141, GR – 57400, Thessaloniki, Greece

Contact Person

Professor Michail Salampasis

Tel: +30 2310 013061

Website: <https://islab.iee.ihu.gr>



Research | Education | Innovation | Application

THE INTELLIGENT SYSTEMS LABORATORY

The Intelligent Systems Laboratory (ISLAB, islab.ieee.ihu.gr) is one of the four research laboratories in the Department of Information and Electronic Engineering (www.iee.ihu.gr/en) at the International Hellenic University.

+ The objectives of the lab:

- The implementation of national and international research programs
- The provision of high-quality M.Sc. and Ph.D. programmes
- The organization of scientific lectures, meetings, seminars, conferences, and other events related to Intelligent Systems and Data Science
- The publication of high-quality scientific papers and articles
- The promotion of cooperation with industry, public and private organizations to promote education and research in the scientific areas of the lab



Department of Information and Electronic Engineering



INTERNATIONAL HELLENIC UNIVERSITY

PhD Candidates

Ph.D. research programme:
Interoperability enhancement in the «Internet of Things», through utilization of «Semantic Web» technology.



Charalampos C. Charalampidis
B.Sc., M.Sc.

Ph.D. research programme:
Explainable Machine Learning for Intelligent Systems



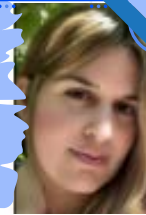
Pantelis I. Kaplanoglou
B.Sc., M.Sc.

Ph.D. research programme:
Predicting Student Performance Using Machine Learning Methods and Recommending Educational Content



Marina Delianidi
B.Sc., M.Sc.

Ph.D. research programme:
"Graph-based Machine Learning methods for providing personalized recommendations"



Ifigenia Karaveli
B.Sc., M.Sc.

Ph.D. research programme:
Fault Detection in industrial processes with Deep Learning



Georgios Gravanis
B.Sc., M.Sc.

Ph.D. research programme:
Machine learning methods for Natural Language Processing and Generation



Alkis Katsalis
B.Sc., M.Sc.

Ph.D. research programme:
Computational Humor in Greek



Antonis Kaloniatis
B.Sc., M.Sc., M.Sc.

Ph.D. research programme:
End-to-End Neural Retrieval for Patent Prior Art Search



Vasilis Stamatis
B.Sc., M.Sc.

Ph.D. research programme:
Intelligent and Multilevel Patent Classification



Eleni Kamateri
B.Sc., M.Eng., M.Sc.

Research Areas:

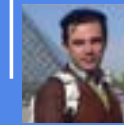
Machine Learning, Explainable ML, ML Engineering, Deep Learning, Recommender systems, NLP, NLG, NLU, Graph Neural Networks, Knowledge Graphs, Computer Vision, Technology Enhanced Learning, Fault Detection, Information Retrieval, Industry 4.0, XAI, Internet of Things, Semantic Web, Instrumentation, Industrial automation

Faculty members



Prof. Panagiotis Adamidis,
people.iee.i.hu.gr/~adamidis

Dr. Katerina Asdre
iee.i.hu.gr/staff/asdre-katerina



Prof. Michail Salampasis
(Lab Director)
www.salampasis.gr



Prof. Konstantinos Diamantaras
people.iee.i.hu.gr/~kdiamant

Prof. Demosthenes Stamatis
people.iee.i.hu.gr/~demos



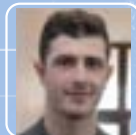
Research Collaborators



Prof. Ph.D. George Stalidis



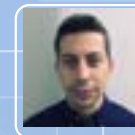
Ph.D. Dimitrios Tektonidis



M.Sc. Theodosios Siomos



M.Sc. Evgenia Papadopoulou



M.Sc. Konstantinos Christantonis

Machine Learning Team Students

Makris Giorgos, Chasanidis Dimitrios, Mersinis Christos, Tsakiris Nikolaos, Toufexis Stefanos, Daras Ioannis, Karakasidis Dimitrios, Soulakis Giorgos, Agorastos Vasilis, Osmantzikidou Elli, Miaris Dionisios, Architektonidou Anna, Architektonidou Valentina, Artemiadis Moisis, Rigoutsou Leonarda