

ACADEMIC CURRICULUM VITAE

Dr. Michael Feidakis, PhD

Senior Laboratory Teaching Staff (EDIP Grade A)

Department of Electrical and Electronic Engineering
University of West Attica (UniWA)
Athens, Greece

CONTACT INFORMATION

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EXECUTIVE SUMMARY

Dr. Michael Feidakis is Senior Laboratory Teaching Staff (EDIP Grade A) at the Department of Electrical and Electronic Engineering of the University of West Attica, Greece.

He received his B.Sc. in Informatics from the Athens University of Economics and Business, his M.Sc. in Multimedia and Internet Programming from Loughborough University (United Kingdom), and his Ph.D. from the University of the Aegean in the field of Affective Computing and Emotion Artificial Intelligence.

He has more than twenty years of teaching experience in higher education, teacher education, vocational education and school education. Since 2017 he has been teaching undergraduate and postgraduate courses at the University of West Attica, while he has also taught postgraduate courses at the University of the Aegean.

His research focuses on the interdisciplinary area of **Artificial Intelligence in Education**, with particular emphasis on:

- Artificial Intelligence in Education (AIED)
- Educational Robotics
- Social Robotics
- Human–Robot Interaction
- Large Language Models in Education
- Affective Computing
- Emotion AI
- Learning Analytics
- AI Literacy
- Computational Thinking
- STEM Education

His work combines Artificial Intelligence, Educational Technology, Human–Computer Interaction and Learning Sciences to design, implement and evaluate intelligent educational environments for children, university students, teachers and lifelong learners.

He has participated in numerous European and national research projects funded by Horizon Europe, Horizon 2020, FP7, Erasmus+, the Greek Ministry of Education and the University of West Attica.

His scientific work has attracted significant international recognition, with:

- **794 citations**
- **h-index: 14**
- **i10-index: 17**

(according to Google Scholar, June 2026).

His publication record includes peer-reviewed journal papers, conference proceedings and book chapters published by IEEE, Springer, Elsevier, IGI Global and other international publishers.

Dr. Feidakis serves the international scientific community as Program Committee Member and Reviewer for major IEEE and international conferences, including COMPSAC, EDUCON and CSEDU.

Founder and Research Lead
CONSEDRE – CONSert EDucation REsearch
<https://consedre-consert.eee.uniwa.gr>

2. EDUCATION

Doctor of Philosophy (PhD) in Affective Computing / Emotion Artificial Intelligence

Department of Cultural Technology and Communication

University of the Aegean, Greece

Period: 2009–2013

Dissertation Title *A Computational Model for Integrating Emotional Awareness into e-Learning Environments*

The doctoral research was conducted under joint academic supervision with the Department of Computer Science of the Open University of Catalonia (Universitat Oberta de Catalunya, Barcelona, Spain). The dissertation proposed a computational framework for modelling learners' emotional states and integrating affective awareness into intelligent e-learning environments.

Master of Science (MSc)

Multimedia and Internet Programming

Department of Computer Science

Loughborough University

United Kingdom

2001–2002

Main topics included:

- Internet Programming
 - Multimedia Systems
 - Human–Computer Interaction
 - Distributed Applications
 - Database Technologies
 - Software Engineering
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Bachelor of Science (BSc)

Department of Informatics

Athens University of Economics and Business

Athens, Greece

1995–2001

Main specialization:

- Computer Science
 - Software Development
 - Information Systems
 - Databases
 - Networks
 - Artificial Intelligence Foundations
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3. ACADEMIC APPOINTMENTS

Senior Laboratory Teaching Staff (EDIP Grade A)

Department of Electrical and Electronic Engineering

University of West Attica

October 2017 – Present

Responsibilities include:

- Undergraduate teaching
 - Postgraduate teaching
 - Supervision of undergraduate and postgraduate theses
 - Participation in funded research projects
 - Development of educational software
 - Research in Artificial Intelligence in Education
 - Educational Robotics
 - Human–Robot Interaction
 - Learning Analytics
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Lecturer (Postgraduate Programme)

Department of Information and Communication Systems Engineering

University of the Aegean

2015–2018

Teaching in the MSc programme:

Teaching of Informatics and Communications

Courses included:

- Contemporary Learning Theories in ICT Education
 - Collaborative Learning and Critical Thinking
 - Educational Technology
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Laboratory Associate

Department of Graphic Design

Technological Educational Institute of Athens

2016–2017

Teaching multimedia technologies and web technologies.

Certified Trainer

National Centre for Public Administration and Local Government (EKDDA)

2015 – Present

Delivery of specialised professional training programmes for civil servants in Information Technologies, Digital Skills and Emerging Technologies.

4. PROFESSIONAL EXPERIENCE

University of West Attica

2017 – Present

Teaching, research and participation in national and European research projects.

Information Society S.A.

Greek Ministry of Education

IT Project Manager

2004–2008

Responsibilities included:

- Coordination of large-scale ICT projects
 - Management of Operational Programme “Information Society”
 - Monitoring of national educational ICT actions
 - National Coordinator of the AEC-NET (Asia–Europe Classroom Network)
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European Dynamics S.A.

Software Developer

2003

Development of web applications for the European CIRCA Document Management System.

Dynamic Business Solutions (DBS)

Oracle Developer

1998–2001

Development of enterprise information systems using Oracle technologies.

5. TEACHING EXPERIENCE

Overview

Dr. Michael Feidakis has more than twenty years of teaching experience across all levels of education, including higher education, postgraduate education, teacher professional development, vocational education and secondary education. His teaching activities combine theoretical foundations with laboratory practice, project-based learning and research-oriented education.

His courses cover a broad spectrum of Computer Science, Artificial Intelligence, Educational Technology and Software Engineering, while in recent years his teaching has focused on Artificial Intelligence in Education, Educational Robotics and Human–AI Interaction.

5.1 University of West Attica (2017–Present)

Undergraduate Courses

Object-Oriented Programming

Department of Electrical and Electronic Engineering

- Java Programming
- Object-Oriented Design
- Software Development
- Collections Framework
- GUI Development
- File Processing

Web Applications Development

Department of Electrical and Electronic Engineering

Course topics include:

- HTML5
- CSS3
- JavaScript
- PHP
- MySQL
- Apache Web Server

- REST Services
- Full-stack Web Development

Students develop complete web information systems through semester-long projects.

Computer Networks

Topics include:

- Internet Architecture
 - TCP/IP
 - Routing
 - Switching
 - Wireless Networks
 - Internet Services
-

Advanced Networking and Security

Topics include:

- Network Security
 - Cybersecurity Fundamentals
 - Secure Communications
 - Cloud Networking
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Postgraduate Courses

MSc Artificial Intelligence & Deep Learning

Wearable and Affective Computing

The course introduces modern intelligent sensing technologies and affective computing methods with emphasis on Artificial Intelligence applications in healthcare, education and human-centred computing.

Main topics:

- Wearable Computing
- Physiological Signal Processing
- Emotion Recognition
- Machine Learning

- Deep Learning
 - Human–Computer Interaction
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MSc ICT in Education

Modern Digital Technologies and Internet

Topics include:

- Digital Transformation
 - Emerging Technologies
 - Artificial Intelligence in Education
 - Cloud Technologies
 - Digital Learning Environments
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Contemporary Learning Theories in ICT Education

Main themes:

- Constructivism
 - Constructionism
 - Inquiry-based Learning
 - Collaborative Learning
 - Game-based Learning
 - Technology-enhanced Learning
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Collaborative Learning and Critical Thinking

The course examines collaborative learning theories together with modern digital technologies that support knowledge construction and critical thinking.

5.2 University of the Aegean

Teaching in the MSc Programme:

Teaching of Informatics and Communications

Responsibilities included course design, lectures, laboratory activities, student assessment and supervision of postgraduate dissertations.

5.3 Technological Educational Institute of Athens

Laboratory teaching in Multimedia Technologies with emphasis on digital media production and web technologies.

Teaching Philosophy

Dr. Feidakis adopts a student-centred teaching philosophy based on active participation, inquiry-based learning and authentic problem solving.

His educational practice integrates:

- Project-Based Learning
- Experiential Learning
- Collaborative Learning
- Educational Robotics
- Artificial Intelligence
- Computational Thinking
- Human–AI Collaboration

A central objective of his teaching is to bridge research and classroom practice by enabling students to design, implement and evaluate innovative AI-enabled educational solutions.

6. RESEARCH PROFILE

Research Vision

Dr. Michael Feidakis conducts interdisciplinary research at the intersection of **Artificial Intelligence, Computer Science, Learning Sciences** and **Educational Technology**.

Over the past fifteen years, his research has evolved from **Affective Computing** and **Emotion Artificial Intelligence** towards **Artificial Intelligence in Education (AIED)**, focusing on the design, development and evaluation of intelligent educational ecosystems that enhance learning, collaboration and socio-emotional development.

His current research aims to develop trustworthy, explainable and human-centred Artificial Intelligence technologies that support learners, educators and educational organisations.

Main Research Areas

Artificial Intelligence in Education (AIED)

Design and evaluation of AI-supported learning environments, intelligent tutoring systems and adaptive educational technologies.

Educational Robotics

Design of educational activities and intelligent robotic systems for formal and informal education, with emphasis on preschool and primary education.

Human–Robot Interaction (HRI)

Research on the pedagogical role of social robots in learning environments.

Topics include:

- Human–Robot Collaboration
- Child–Robot Interaction
- Socially Assistive Robotics
- Robot-mediated Learning

Social Robotics

Development and educational exploitation of humanoid robots (NAO) to support:

- socio-emotional development,
 - communication skills,
 - collaborative learning,
 - inclusion,
 - special education,
 - AI literacy.
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Affective Computing

Development of computational models capable of recognising, modelling and responding to learners' emotional states.

Research topics include:

- Emotion Recognition
 - Emotion-aware Learning Systems
 - Physiological Computing
 - Wearable Technologies
 - Multimodal Analytics
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Large Language Models in Education

Research on integrating Generative AI and Large Language Models into educational settings.

Current topics include:

- AI Assistants
 - Educational Chatbots
 - LLM-powered Humanoid Robots
 - Prompt Engineering
 - Responsible AI
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Learning Analytics

Analysis of multimodal educational data to understand learning processes and support personalised education.

Computational Thinking & STEM Education

Design of educational interventions that cultivate computational thinking, problem-solving and AI literacy from early childhood to higher education.

7. RESEARCH PROJECTS

Overview

Dr. Feidakis has participated in numerous nationally and internationally funded research projects, assuming research, technical and educational responsibilities in Artificial Intelligence, Educational Technology, Learning Analytics, Educational Robotics and Digital Innovation.

His research portfolio includes projects funded by:

- Horizon Europe
- Horizon 2020
- FP7
- Erasmus+
- Greek Ministry of Education
- University of West Attica
- National research programmes

European Research Projects

Project	Programme	Period	Role
PANORAIMA	Horizon Europe	2024–2029	Researcher, Learning Needs Analysis
RESCUER	Horizon 2020	2021–2024	Researcher, Deputy Scientific Coordinator
VERITY	Erasmus+	2022–2025	Researcher, Deputy Scientific Coordinator
EDUCARDIA	Erasmus+	2023	Researcher, Learning Needs Analysis
ALICE	FP7	2010–2012	Junior Researcher / PhD Researcher

National Research Projects

Project	Period	Role
AI Innovation Hub	2024– Present	Researcher
NEWTECH4RUM	2018–2023	Deputy Scientific Coordinator, Researcher
DESMOS	2018–2021	Deputy Scientific Coordinator, Researcher
CONSEDRE OER Repository	2021– Present	Scientific Contributor
Digital Infrastructure Support during COVID-19	2021	Scientific Coordinator

Research Impact

The above projects have supported the development of:

- AI-enhanced educational platforms
- Educational Robotics applications
- Learning Analytics systems
- Open Educational Resources
- Intelligent Tutoring Systems
- Humanoid Robot Applications
- Generative AI educational tools
- Digital transformation initiatives for higher education

The outcomes of these projects have been disseminated through peer-reviewed publications, international conferences, educational software and open educational resources, contributing to the advancement of Artificial Intelligence in Education and Educational Robotics.

Academic Service

- Program Committee Member – COMPSAC (2022–2026)
- Program Committee Member – CSEDU 2026
- Reviewer – IEEE EDUCON
- Reviewer – IEEE IT Professional
- Reviewer – COMPSAC
- Reviewer – CSEDU

Supervision

- Προύντζου, Μ. (2026). *Εισαγωγή στη διδασκαλία και εκμάθηση της Τεχνητής Νοημοσύνης μέσω δραστηριοτήτων χωρίς ρεύμα (unplugged) στο νηπιαγωγείο*. (p. 154). Εθνικό Καποδιστριακό Πανεπιστήμιο Αθηνών.
<https://pergamos.lib.uoa.gr/uoa/dl/object/5372338>
- Ζαραβίνου, Χ. (2025). *Χρήση LLM σε ρομπότ για την ενίσχυση γνωστικών και κοινωνικών δεξιοτήτων σε παιδιά προσχολικής ηλικίας* (p. 121). Εθνικό Καποδιστριακό Πανεπιστήμιο Αθηνών.
<https://pergamos.lib.uoa.gr/uoa/dl/object/3481571>
- Apostolopoulos, A. (2025). *Design and implementation of a web & mobile application for user emotion self-reporting and affective cartography (Ανάπτυξη διαδικτυακής και φορητής εφαρμογής για την αυτό-αναφορά και τη χαρτογράφηση της συναισθηματικής κατάστασης του χρήστη)* (p. 108) [Bachelor's Thesis]. West Attica.
<https://polynoe.lib.uniwa.gr/xmlui/handle/11400/9191>
- Giannakopoulos, V.-I. (2025). *Open-source AI base for humanoid with kinect sensor in education context (TN ανοικτού κώδικα για ανέπαφη αλληλεπίδραση ανθρωποειδών με αισθητήρα Kinect σε εκπαιδευτικό πλαίσιο)* (p. 89) [Bachelor's Thesis]. West Attica.
<https://polynoe.lib.uniwa.gr/xmlui/handle/11400/8947>
- Metafas, A. (2025). *Decoding the profession of an AI ethicist (Αποκωδικοποιώντας το επάγγελμα ενός ηθικολόγου στην τεχνητή νοημοσύνη)* (p. 76) [MSc Dissertation]. West Attica.
<https://polynoe.lib.uniwa.gr/xmlui/handle/11400/9133>
- Panagiotopoulou, A.-R. (2025). *A framework to apply opinion mining in social networks (Πλαίσιο για την εφαρμογή εξόρυξης απόψεων σε κοινωνικά δίκτυα)* (p. 50) [MSc Dissertation]. West Attica.
<https://polynoe.lib.uniwa.gr/xmlui/handle/11400/9385>
- Αγριανίτη, Ε. (2023). *Σχεδιασμός και υλοποίηση εφαρμογών για αξιοποίηση ανθρωποειδών σε σχολικό περιβάλλον* (p. 80). Πανεπιστήμιο Δυτικής Αττικής.
<https://doi.org/10.26265/POLYNOE-5419>
- Μάρος, Γ. (2023). *Ανάπτυξη μοντέλου βαθιάς μηχανικής μάθησης για την αναγνώριση της συναισθηματικής κατάστασης του χρήστη από τις εκφράσεις προσώπου* (p. 50). Πανεπιστήμιο Δυτικής Αττικής.
<https://doi.org/10.26265/POLYNOE-3938>
- Χαραλαμπία Καρακεχαγιά, & Σίνη, Β.-Μ. (2023). *Η χρήση ανθρωποειδούς ως μέσο για την ενίσχυση των κοινωνικών και γνωστικών δεξιοτήτων παιδιών προσχολικής ηλικίας* (p. 181). Εθνικό Καποδιστριακό Πανεπιστήμιο Αθηνών.
<https://pergamos.lib.uoa.gr/uoa/dl/object/3268898>

- Χάσου, Έ.-Χ. (2023). Ο ρόλος του κοινωνικού ρομπότ ΝΑΟ, στην καλλιέργεια της Συναισθηματικής Νοημοσύνης των παιδιών προσχολικής ηλικίας (p. 180). Εθνικό Καποδιστριακό Πανεπιστήμιο Αθηνών.
<https://pergamos.lib.uoa.gr/uoa/dl/object/3267028>
- Σταθοπούλου, Α. (2023). Σχεδιασμός και υλοποίηση εκπαιδευτικού αποθετηρίου για τεχνολογίες STEM (p. 66). Πανεπιστήμιο Δυτικής Αττικής.
<https://doi.org/10.26265/POLYNOE-5328>
- Αφεντούλης, Δ. (2023). Σχεδιασμός και ανάπτυξη εκπαιδευτικών εφαρμογών για τη χρήση κοινωνικών ρομπότ (Softbank NAO) στη Πρωτοβάθμια Εκπαίδευση (p. 73). Πανεπιστήμιο Δυτικής Αττικής. <https://doi.org/10.26265/POLYNOE-3897>
- Ηρώ Γκολομπία, & Εμμανουηλίδου, Σ. (2022). Η χρήση του ανθρωποειδούς ρομπότ ΝΑΟ, ως μέσο μιας διαφοροποιημένης διδασκαλίας σε μαθητές Δημοτικού Σχολείου (p. 245). Εθνικό Καποδιστριακό Πανεπιστήμιο Αθηνών.
<https://pergamos.lib.uoa.gr/uoa/dl/object/3216452>
- Μαρνελάκη, Α. (2022). Εφαρμογή του γλωσσικού προγράμματος ΜΑΚΑΤΟΝ μέσω του ανθρωποειδούς ρομπότ ΝΑΟ για την αφήγηση παραμυθιού σε παιδιά προσχολικής ηλικίας με καθυστέρηση ομιλίας (p. 80). Εθνικό Καποδιστριακό Πανεπιστήμιο Αθηνών.
- Διαμαντοπούλου, Μ. (2021). Ηλεκτρονικό Περιβάλλον για την κατάρτιση των νηπιαγωγών στις Κοινωνικο-Συναισθηματικές Δεξιότητες (p. 145). Εθνικό Καποδιστριακό Πανεπιστήμιο Αθηνών.
<https://pergamos.lib.uoa.gr/uoa/dl/object/2945483>
- Μαναβάκη, Β. (2021). Η καλλιέργεια των Κοινωνικών και Συναισθηματικών δεξιοτήτων μέσω παιγνιοποίησης (gamification) σε παιδιά των τελευταίων τάξεων του Δημοτικού Σχολείου (p. 227). Εθνικό Καποδιστριακό Πανεπιστήμιο Αθηνών. <https://pergamos.lib.uoa.gr/uoa/dl/object/2965598>
- Μαραθάκη, Κ. (2021). Η χρήση κοινωνικών ρομπότ (Social Assistive Robot- SAR) για την ανάπτυξη δεξιοτήτων συμβολικού παιχνιδιού και μίμησης σε μαθητές με Διαταραχή Αυτιστικού Φάσματος (ΔΑΦ) (p. 150). Εθνικό Καποδιστριακό Πανεπιστήμιο Αθηνών. <https://pergamos.lib.uoa.gr/uoa/dl/object/2940758>
- Μωραΐτης, Α. (2022). Ανάπτυξη διαδικτυακής εφαρμογής με αυτόματη προσαρμογή πολυμεσικού περιεχομένου, σε περιβάλλον συνεχούς ενσωμάτωσης (p. 87). Πανεπιστήμιο Δυτικής Αττικής. <https://doi.org/10.26265/POLYNOE-3117>
- Τσιάπρα, Μ. (2021). Σύγχρονες Ψηφιακές Δεξιότητες και Τεχνολογίες στην εκπαίδευση: Δημιουργία ενός Μοντέλου Αξιολόγησης για τους εκπαιδευτικούς (p. 100). Εθνικό Καποδιστριακό Πανεπιστήμιο Αθηνών.
<https://pergamos.lib.uoa.gr/uoa/dl/object/2968393>
- Φειδάκης, Γ. (2021). Ανάπτυξη διαδικτυακής εφαρμογής για τη διαχείριση έργων (p. 90). Πανεπιστήμιο Δυτικής Αττικής. <https://doi.org/10.26265/POLYNOE-591>

8. PUBLICATIONS AND SCIENTIFIC IMPACT

Overview

Dr. Michael Feidakis has established a consistent and internationally recognised research record in the fields of **Artificial Intelligence in Education, Affective Computing, Educational Robotics, Human–Robot Interaction, Learning Analytics**, and **Educational Technologies**.

His scientific contributions include publications in high-quality international journals, conference proceedings and edited books published by internationally recognised publishers such as **IEEE, Springer, Elsevier** and **IGI Global**.

His work spans both fundamental and applied research, with emphasis on the design, implementation and evaluation of intelligent educational technologies.

Bibliometric Indicators

Google Scholar (June 2026)

Indicator	Value
Publications	40+
Citations	794
h-index	14
i10-index	17

The above indicators demonstrate the sustained international visibility and scientific impact of his research contributions.

Main Research Themes

The published work can be grouped into the following thematic areas:

Artificial Intelligence in Education

Development of AI-enhanced learning environments, intelligent educational systems and AI literacy initiatives.

Educational Robotics

Research on humanoid robots, robotics-supported learning and robot-assisted educational interventions.

Affective Computing

Emotion recognition, emotion-aware learning environments, physiological computing and adaptive educational systems.

Human–Robot Interaction

Pedagogical exploitation of social robots for preschool, primary, special and higher education.

Learning Analytics

Educational data analysis, multimodal learning analytics and intelligent educational dashboards.

Large Language Models

Integration of Generative Artificial Intelligence into education, conversational agents and humanoid robots.

Selected Publications

Journal Articles

Representative publications include papers in:

- Biomedical Signal Processing and Control
- Computers (MDPI)
- International Journal of Technologies in Learning
- Computer Applications in Engineering Education
- Education and Information Technologies (under review / forthcoming where applicable)

IEEE Conference Publications

Representative conferences include:

- IEEE EDUCON
 - COMPSAC
 - CSEDU
 - International Conference on Computer Supported Education
-

Book Chapters

Published book chapters include contributions to edited volumes by:

- Springer Nature
- IGI Global
- Elsevier

covering Artificial Intelligence in Education, Learning Analytics, Educational Robotics and Affective Computing.

Research Contribution

Dr. Feidakis' publications demonstrate a coherent evolution from **Emotion Artificial Intelligence** towards **Artificial Intelligence in Education**.

His recent work focuses on:

- Large Language Models in Education
- Educational Robotics
- AI Literacy
- AI Unplugged
- Preschool AI Education
- Human–AI Collaboration
- Explainable AI for Learning
- Social Robotics

This progression reflects a continuous research strategy that combines Artificial Intelligence with pedagogical innovation and educational practice.

Citation Impact

The international visibility of his work is reflected by:

- citations from researchers across Computer Science, Artificial Intelligence and Educational Technology;
- collaborations with national and international research groups;
- publications in internationally recognised venues;
- participation in competitive European research projects.