



Christos-Nikolaos Anagnostopoulos

Curriculum Vitae – September 2025

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GENERAL INFORMATION

Christos-Nikolaos Anagnostopoulos (<https://orcid.org/0000-0002-4496-275X>) holds a Mechanical Engineering Diploma and PhD in Electrical & Computer Engineering from National Technical University of Athens. He is Professor of Informatics, Director of the Intelligent Systems lab and Intelligent Computer Systems MSc Program in the Cultural Technology and Communication Dpt, University of the Aegean. His research interests include computer vision, computer graphics, 3D Reality Modeling/Digitization, Mixed Reality and Artificial Intelligence for the development of applications in Cultural Informatics and Digital Culture. Since 2003, he is academic tutor for a number of courses related to the subject of Digital Culture at undergraduate level, as well as in Postgraduate Programmes, such as the MSc "Cultural Informatics" (University of the Aegean), "Digital Culture" (University of Piraeus) and "Monuments Management" (National Kapodistrian University of Athens).

So far, he has participated in 21 European and National funded research projects, in ten of them as university project leader. He has extensive experience in multimodal geometric documentation of monuments, management and promotion of Cultural Heritage, working and leading projects related to:

- Management, preservation, and promotion of cultural/religious heritage and heritage at risk.
- Digital documentation of excavation research, using new technologies of sensors (aerial/terrestrial scanning) and mixed reality.
- 2D/3D digitization of tangible and intangible cultural heritage using modern technologies and methods such as portable 3D scanners, photogrammetry, and super-resolution photography.
- Development of cultural/tourist routes, digital storytelling applications, personalized user experience and serious games.
- Mixed Reality applications, including Virtual Reality and Augmented Reality.
- Development of cultural portals and repositories.

He has published more than 250 papers in scientific journals and conferences, in the above subjects as well as other related fields in informatics (Google Scholar h-index 32, citations>6000). Under his supervision, seven students completed successfully their PhD thesis in the fields of computer vision, artificial intelligence and 3D visual representation using Deep Learning. In addition, he served as external reviewer and Evaluator in National and International Research and Development Calls and Projects.

He has received significant recognition from the international research community for his contributions to computer vision, AI, and cultural informatics. In 2018, he was awarded the Werner-Weber Prize for a pioneering work on 3D reassembly of fragmented artefacts. As of 2020, he is listed among the top 2%

of the world's most influential researchers in Artificial Intelligence and Image Processing (Stanford University/Elsevier).

Moreover, his paper entitled "A License Plate-Recognition Algorithm for Intelligent Transportation System Applications", published in IEEE Transactions on Intelligent Transportation Systems, is recognized internationally as one of the most influential works in computer vision for Intelligent Transportation Systems (over 1000 citations), as it established a benchmark methodology for license-plate recognition. It was nominated as a classic paper on Google Scholar, since it is a highly cited, field-defining publication, recognized for its enduring influence on subsequent research.

He also served for many years as Associate Editor of IEEE Transactions on Intelligent Transportation Systems and acted as Guest Editor for special issues in Sensors and Big Data and Cognitive Computing. He was invited speaker in international conferences on Digital Heritage and has chaired sessions at events such as EuroMed Digital Heritage and Transdisciplinary Multispectral Modelling and Cooperation for the Preservation of Cultural Heritage (TMM-CH). He also served as evaluator and reviewer for Greek and EU research programmes, reflecting trust in his expertise and leadership within the interdisciplinary domain connecting computer science and cultural heritage.

RECENT PUBLICATIONS

List of scientific journals (last 5 years)

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- <https://scholar.google.gr/citations?user=H5ikkF8AAAAJ&hl=en>
- <https://www.scopus.com/authid/detail.uri?authorId=8966682200>

RELEVANT PROJECTS IN THE LAST TEN YEARS

Project Title	Funding source	Period
Digital Herodotus – Digitization of audiovisual and historical content of North Aegean and Cyprus	INTERREG GR-CY 2007-2013	2013-2017
Travelogue with Augmented Cultural and Contemporary Experience	General Secretariat of Research & Technology	2017-2021
Religious Culture: Management of Tangible and Intangible Cultural and Religious Heritage in Greece and Cyprus	INTERREG GR-CY 2014-2020	2018-2022
Cultural Digital Arc: Rescue and promotion of Medieval Cultural Heritage in Aegean Sea and Cyprus	INTERREG GR-CY 2014-2020	2018-2022
Advanced multimodal system for the recording, documentation and promotion of Excavations	General Secretariat of Research & Technology	2019-2023
Subscription platform for analyzing a large number of online reports, finding insights and business opportunities in a multilingual environment	General Secretariat of Research & Technology	2017-2020
Innovative Methodology for Integrated Diagnosis, Maintenance, Documentation and Enhancement of Mycenaean Walls	General Secretariat of Research & Technology	2020-2023
3D Clermont: 3D mapping and production of audiovisual content for the medieval Clermont castle	INTERREG ADRION, EMOTional technology for the Cultural Heritage valorization within transnational UNDERGROUND S	2022-2023

3D geometric documentation of the Corinth Canal and digitization of the cultural content of the Museum of the Corinth Canal Company	Operational Programme Competitiveness, Entrepreneurship and Innovation 2014-2020	2023- 2024
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COURSES IN THE LAST SIX YEARS

Course	Department/University
3D Digitization and Visualization	BSc Cultural Technology and Communication, University of the Aegean, Greece
Computer Graphics – Image Processing	BSc Cultural Technology and Communication, University of the Aegean, Greece
Information Visualization	MSc Cultural Informatics and Communication, University of the Aegean, Greece
2D Graphics	MSc Cultural Informatics and Communication, University of the Aegean, Greece
3D Graphics	MSc Cultural Informatics and Communication, University of the Aegean, Greece
Mixed Reality and e-Culture	MSc Digital Culture, University of Piraeus, Greece
WWW and Digital Collections Management	MSc Digital Culture, University of Piraeus, Greece
Advanced Information Technologies for Monument Management	MSc Digital Culture, University of Piraeus, Greece
Digital Cultural Management and New Technologies I	MSc Monument Management: Archaeology, City and Architecture, University of Athens, Greece.
Digital Cultural Management and New Technologies II	MSc Monument Management: Archaeology, City and Architecture, University of Athens, Greece.

Special Topics in Cultural Informatics	MSc Monument Management: Archaeology, City and Architecture, University of Athens, Greece.
IT applications for studying and recording of monuments	MSc Monument Management: Archaeology, City and Architecture, University of Athens, Greece.
Advanced Computational Intelligence and Computer Vision Topics	MSc Intelligent Computer Systems, University of the Aegean, Greece.

ADMINISTRATIVE EXPERIENCE

Role	Department/University
Department Head (2015-2020)	Cultural Technology and Communication, University of the Aegean, Greece
Director (2020-now)	MSc Intelligent Computer Systems, University of the Aegean, Greece
Director (2013-now)	i-lab – Intelligent Systems lab, University of the Aegean, Greece
Member of Senate (2015-2020)	University of the Aegean
Chairman of the University Technical Council	University of the Aegean
Associate Editor, IEEE ITS (2010-2017)	IEEE, USA