CURRICULUM VITAE

Dr. DIMITRIOS C. MAKRIS

ASSOCIATE PROFESSOR

DEPARTMENT OF CONSERVATION OF ANTIQUITIES AND WORKS OF ART UNIVERSITY OF WEST ATTICA

OCTOBER 2025

CURRICULUM VITAE

Academic Details

Institution: University of West Attica Faculty: Applied Arts and Culture

Department: Conservation of Antiquities and Works of Art

Position: Associate Professor

3D Documentation and Promotion of Cultural Goods through Modeling and

Artificial Intelligence

Personal Information

Scientific Object:

Surname: Makris **Dimitrios** Name: Father's name: Christos

E-mail: demak@uniwa.gr

Doctoral Studies

Scientific domain Information Technology

"Etude et realization d'un système declaratif de modélisation et de génération de

styles par algorithmes génétiques. Application à la creation architecturale".

["Study and implementation of a declarative system for modeling and generating

style with genetic algorithms. Application to architectural creation"]

Ecole Doctorale Science – Technologie – Sante, Faculté des Sciences et

Techniques. University of Limoges

Date Received 18/10/2005

No. An. DOATAP 31 - 2514 - 24/05/2006

Postgraduate

Institution

Title

Architecture "Computing and Design" [Architecture "Computer Science and Master of Science

Design"

Job Title "Evolutionary Design Environments - EDEN"

Faculty of Design and the Built Environment, School of Architecture -Institution

University of East London UK.

Date Received 01/10/1999

No. An. DIKATSA 1 - 420 - 25/09/2000

Degree

Degree Title Interior Design

Institution Graphic Arts and Artistic Studies – TEI of Athens

Date Received 07/07/1995

RESEARCH INTERESTS

Culture, Design and Computing Reverse Engineering / 3D Modeling Semantic Knowledge Modeling Artificial intelligence **Digital Aesthetics**

SCIENTIFIC COMMITTEES

2022 – today [Member of physical/economic object verification committee]

- Project "Digitizing Art and Cultural Heritage for experiential experience through innovative technologies". Action "Special Actions "AQUACULTURE"-"INDUSTRIAL MATERIALS"-"OPEN INNOVATION IN CULTURE"". Operational Program "Competitiveness-Entrepreneurship & Innovation" NSRF.
- Project "Participatory and Experiential Workshops for the Production and Promotion of Contemporary
 Art". Action "Special Actions "AQUACULTURE"-"INDUSTRIAL MATERIALS"-"OPEN INNOVATION IN
 CULTURE"" Operational Program "Competitiveness-Entrepreneurship & Innovation" NSRF.

2020 – 2021 [Member of physical/economic object verification committee]

 Project "Conceptual Design of Fashion Products with the help of Artificial Intelligence". Action "RESEARCH-CREATE-INNOVATE". Operational Program "Competitiveness - Entrepreneurship & Innovation" NSRF.

2019 – 2021 [Member of physical/economic object verification committee]

- Project "Modeling groups of visitors in museums through artificial vision and machine learning for the provision of targeted educational content and augmented reality games". Action "RESEARCH-CREATE-INNOVATE" Operational Program "Competitiveness - Entrepreneurship & Innovation" NSRF.
- o Project " *Innovative Museum Applications* ". RESEARCH-CREATE-INNOVATE Action. Operational Program "Competitiveness-Entrepreneurship & Innovation" NSRF.

2014 [Member of the on-site physical/economic object verification committee]

 Project ""System for Documentation - Promotion - Exploitation of Cultural Heritage Monuments through Integrated Three-Dimensional Mapping, Modeling and Recording of Metadata" (3 D SYSTEM).
 Action "Cooperation". "HORIZONTAL PROJECT FOR THE IMPLEMENTATION OF RESEARCH AND TECHNOLOGY ACTIONS" Operational Program. "COMPETITIVENESS-ENTREPRENEURSHIP 2007-2013".

2013 [Member of the on-site physical/economic object verification committee]

 Project "Development of New Products & Replicas of Cultural Heritage using Digitization & Micro-Scale Production Technologies (micromanufacturing)" (micro COPY). Action "Cooperation". "HORIZONTAL PROJECT FOR THE IMPLEMENTATION OF RESEARCH AND TECHNOLOGY ACTIONS" Operational Program "COMPETITIVENESS - ENTREPRENEURSHIP 2007-2013".

STUDIES (SCIENTIFIC – RESEARCH)

2023 – 2024

 Three-dimensional Documentation of a Monument. Project "Study of the Materials and Pathology of the Morosini Fountain in Heraklion, Crete", (ELKE PADA project code 81293).

2022 - 2023

"3D digitization – modeling of two small Byzantine mosaic icons" upon invitation in Dumbarton Oaks Museum. The outcome of the processes presented by invitation at the "Workshop and Colloquium, Piece by Piece: Mosaic Artifacts in Byzantium and the Ancient Americas", May 18-19, 2023", in Dumbarton Oaks Museum.

2022

 Three-dimensional digital documentation of the project. Project "Study of the Construction Technology, Pathology and Conservation of the Mosaic Image of Panagia Pammakaristos, of the Ecumenical Patriarchate of Constantinople", funding body "KATERINE LASKARIDI FOUNDATION" (project code 81022).

2021

• Three-dimensional imaging of a prehistoric kiln. Project "Conservation Study of the Prehistoric Kiln in Kirra (Prefecture of Phocis)" by the "French School of Athens".

2020

"Three-dimensional digitization - modeling work of the current state of the portable image after the completion of its stabilization work". Project: "Conservation of the mosaic image of the Virgin Mary of Pammakaristos in the Ecumenical Patriarchate of Constantinople", funded by the E. Laskaridis Foundation.

TEACHING – HIGHER EDUCATION AND LIFE-LONG LEARNING

HIGHER EDUCATION

Undergraduate Studies Program

2022 – today

Institution University of West Attica

Department Conservation of Antiquities and Works of Art

Position Associate Professor

Scientific Object

3D Documentation and Promotion of Cultural Goods through Modeling and

Artificial Intelligence

2020 - 2022

Institution University of West Attica

Department Conservation of Antiquities and Works of Art

Position Assistant Professor

Scientific Object

3D Documentation and Promotion of Cultural Goods through Modeling and

Artificial Intelligence

2010 - 2020

Department Interior Architecture
Position Assistant Professor

Scientific Object Design Methodology – Computer Aided Design

2000 - 2010

Laboratory Associate (Part-time Teaching Staff)

2006 - 2010

Scientific Associate (Adjunct Teaching Staff)

2000 - 2010

TEI of Athens – Department of Informatics

Laboratory Associate (Part-time Teaching Staff)

Postgraduate Studies Program

2024 – today

Institution University of West Attica – Department: Conservation of Antiquities and Works of Art

Program "Conservation of Cultural Heritage""

Position Scientific Associate (Associate Professor)

2017 - 2022

Institution University of West Attica – Department: Conservation of Antiquities and Works of Art

Program "Conservation of Cultural Heritage"

Position Scientific Associate (Assistant Professor)

2017 - 2024

Institution National and Kapodistrian University of Athens – University of West Attica

Interdepartmental postgraduate program "Museum Studies" departments of 'History &

Program Archaeology' and 'Geology & Geoenvironment' in collaboration with the Department of

Conservation of Antiquities & Works of Art

Position Scientific Associate (Assistant Professor)

2012 - 2013

Program

Athens School of Fine Arts – *Department of Visual Arts* University Paris 8 Vincennes Saint –

Denis, Department of Art and Image Technology

"Art, Virtual Reality & Multi-user Systems of Artistic Expression – Art, Virtual Reality &

Multi-user Systems of Artistic Expression"

Position Scientific Associate (Assistant Professor)

2010 - 2014

Institution

TEI of Athens - Department of Informatics & University of Limoges - Department of

Informatics

Program "Informatique et Sciences de l'Information et de la Communication – Informatics and

Sciences of Information and Communication"

Position Scientific Associate (Assistant Professor)

2007 - 2010

Position Scientific & Laboratory Associate (Adjunct Teaching Staff)

TEACHING ACTIVITY (UNDERGRADUATE STUDIES PROGRAM)

University of West Attica

Department of "Conservation of Antiquities and Works of Art"

COMPOSITION

2020 - today

- "Documentation and Digital Applications in Conservation".
- "Special Topics in Digitization and Modeling". [Optional]
- "Analog and Digital Imaging Techniques".

Department of "Interior Architecture"

COMPOSITION

2020 – today

o "Spatial Narratives".

2017 - 2020

- o "Design Methodology / Analog & Digital Media".
- "Spatial Narratives".
- "Communication and Space II".

Technological Educational Institute of Athens

Department: "Conservation of Antiquities and Works of Art"

THEORY

2013 - 2014 to 2017 - 2018

o "Surveying of Objects & Monuments II".

LABORATORY

2013 - 2014 to 2017 - 2018

o "Surveying of Objects & Monuments II".

<u>Department of "Interior Architecture Decoration and Object Design"</u>

THEORY

2011 - 2017

"Computer-Aided Design Methodology"

2013 - 2017

o "Decorative Applications / Plastic Design".

2006 - 2011

"Computer-Aided Design".

LABORATORY

2011 - 2017

o "Computer-Aided Design Methodology".

2011 - 2017

- o "Introduction to Design Methodology".
- o "Industrial Object Design/Modeling".
- o "Exterior Space Design / Space, Memory, Culture".
- o "Computer-Aided Design".
- "Design Methodology I".
- o "Industrial Design III".

2006 - 2009

o "Senior Student Seminar".

2000 - 2010

o "Computer-Aided Design".

Department: "Information Technology"

LABORATORY

2007 - 2009

o "Informatics I".

2005 - 2007

o "Programming".

2003 – 2004

o "Information Systems III".

2004

o "Programming. Computers I-II".

2000 - 2004

o "Introduction to Computer Science".

UNDERGRADUATE THESIS SUPERVISION (UNDERGRADUATE PROGRAM)

University of West Attica

Department: "Conservation of Antiquities and Works of Art"

2024 – 2025 (D. Makris)

- Christodoulou R., "Additive manufacturing technologies in the preservation and promotion of cultural assets". [February 2025].
 - (D. Makris M. Hatzidaki)
- Kalyva I. "Linking conservation and digital documentation through the orientation of micro-relief in ceiling fragments". [In progress].
 - (S. Chlouveraki D. Makris)
- Fylaktou E. " Mosaic Surface: condition monitoring through photogrammetric techniques ". [In progress].
 - (D. Makris. Malea A.)
- Iakovaki E. "Digital documentation and reconstruction of a leather bag of the Byzantine Period from the marine excavation in the commercial port of Rhodes Island, using contemporary digital technologies". [In progress].

2023 (D. Makris)

- Boznou G., "'Changing places': A study of related members and rocky slope of the Theater of Dodoni".
 [July 2024].
- o Koufopoulou N., "Conservation of a cranial find from an archaeological excavation, using a hybrid approach (physical and digital application)". [February 2025].
- o Proiou Ch., "Taming the Forces: Study of Static Behavior through the Utilization of 3D Models Using Finite Element Methods". [February 2025].
- Sisamakis M., " 3D digitization of Blessing or sanctification crosses: challenges in the approximate modeling process and imaging techniques ". [July 2024].

2022 (D. Makris)

- Mantziou P. Papaleontiou E., "Works of art and digital reconstruction Challenges and applications".
 [March 2024].
- o Papoutsaki-Rapti R., "Conservation of a submerged composite archaeological sword from the commercial port of Rhodes". [December 2023].
- Dionysopoulou Sacristan S. Petridou A., "The renaissance of sculptural works through the world of three-dimensional digital study." [September 2023].
- o Zoe G., "Copying the Copy." [September 2023].
- Kiosi S., "Three-dimensional digital aesthetics and morphological restoration of ceiling paintings murals of a listed 19th century house". [July 2024].

2021 (S. Chlouveraki – D. Makris)

Nikodimou P., "The Mosaic Floor of the 'Kallirroi' Fountain on the Pnyx Hill: Conservation Study".
 [September 2022].

2021 (D. Makris)

• Tenechtsi M., "3D digitization, study and promotion of the Daphni Monastery murals". [September 2023].

• Kourapa-Glezou A., "Three-dimensional digital documentation, investigation, of a section of rocky background, corridor slabs, edoleia of the ancient theater of Dodoni". [September 2023].

2019 (L. Karampinis – D. Makris)

 Markopoulos Ch., Tsagaris N., "Documentation protocols based on 3D digitization of different materials in sculptural models of Yannis Pappas". [July 2021].

2018 (L. Karampinis – D. Makris)

 Bakou M., Leousi S., Stamakoliou M., "Digital documentation through 3D digitization of a "horse head" sculpture, a colossal study of the equestrian statue of Alexander the Great by sculptor Yannis Pappas".
 [December 2021].

Technological Educational Institute of Athens

Department: "Conservation of Antiquities and Works of Art"

2016 (L. Karampinis – D. Makris)

 Zotos P., Tzelepi A., Fotiou S., "Digital documentation through 3D scanning and modeling technologies based on images of sculpture exhibits in the gallery of the Athens School of Fine Arts" [December 2016].

<u>Department: "Interior Architecture Decoration and Object Design"</u>

2012 (D. Makris)

- o Bordoli M., "Design of Perforated Metal Lighting Fixtures" [December 2012].
- o Panayi Th., Korradou M., "A new approach to kitchen functions" [May 2012].

2011 (D. Makris)

Malteza A., "Parametric Modeling and Architectural Design" [January 2011].

TEACHING PROJECT (MASTER STUDIES PROGRAM)

2024 – today

Interdepartmental Master's Degree "Museum Studies". NKUA Department of History & Archaeology and Geology & Geoenvironment, partnership with the Department of Conservation of Antiquities & Works of Art, University of West Attica.

"Museums in the Digital Age".

2024 – today

Interdepartmental Master's Degree "Operations Management". Departments of Tourism Management, Wine, Vine and Beverage Sciences, University of West Attica and School of Production Engineering and Management, Technical University of Crete.

o "New Technologies in Cultural Heritage Management".

2019 – 2023

Interdepartmental Master's Degree "Museum Studies". NKUA Department of History & Archaeology and Geology & Geoenvironment, partnership with the Department of Conservation of Antiquities & Works of Art, University of West Attica.

o "Architectural Design of Museum Space and Museography".

2017 – 2022

Master's Degree. "Conservation of Cultural Heritage". University of West Attica. Department of Conservation of Antiquities & Works of Art.

"Digital 3D Imaging Techniques".

2017 - 2018

Interdepartmental Master's Degree "Museum Studies". NKUA Department of History & Archaeology and Geology & Geoenvironment in collaboration with the Department of Conservation of Antiquities & Works of Art, University of West Attica.

"Architectural Planning. Ways of Promoting Monuments and Museums".

2015 - 2016

Master's Degree "Informatique et Sciences de l'Information et de la Communication – Informatics and Sciences of Information and Communication". TEI of Athens. Department of Informatics – University of Limoges Department of Informatics.

"Software Analysis and Development".

2013 - 2014

- o "Fundamental Graphic Informatics".
- "Software Analysis and Development".

2012 - 2013

"Audiovisual Content Production".

2012 - 2013

Master of Arts "Art, Virtual Reality and Multi-purpose Systems of Artistic Expression – Art, Virtual Reality & Multi - user Systems of Artistic Expression". Athens School of Fine Arts. Department of Visual Arts—University Paris 8 Vincennes Saint - Denis. Department of Art and Technology of the Image.

- o "Digital Moving Image 1".
- "Digital Animation 2".

2010 - 2012

Master's Degree. "Computer Science and Science de The Information and de the Communication – Informatics and Information and Communication Sciences". TEI of Athens. Department of Informatics – University of Limoges . Department of Informatics.

- " Fundamental Graphic Informatics ".
- " Audiovisual Content Production ".

2008 - 2010

- o "Fundamental Graphic Informatics".
- "Introduction to Realistic Image Composition".

2007 - 2008

- "Graphic Informatics I".
- "Graphic Informatics II".

DIPLOMA SUPERVISION (MASTER PROGRAM)

Program "Conservation of Cultural Heritage". University of West Attica. Department of Conservation of Antiquities & Works of Art. Supervisor – Member of three-member advisory committees.

2022

(Argyropoulou V. (EK) – Makris D. – Giannoulaki M.)

• Katrini A. "Protection and promotion of 20th century military weapons: Conservation and digital restoration of a bayonet from the Museum of Victims of Nazism of Distomo"

- (Rapti S. (SV) Sabatakos A. Makris D.)
- Karamani P. "Study of the conservation and restoration of a complex agricultural object of the 20th century (sagma) from the Folklore Collection of the Museum of Victims of Nazism of Distomo"
 - (Hatzidaki M. (SV) Kokla B. Makris D.)
- Gouma A. "Study of the state of conservation and conservation proposals for a ceiling painting with relief decoration made of papier macha"

2020 (Stefanis N-A. – D. Makris)

 Hasiotis D., "Investigation of the possibilities of E-BIM for the documentation of the existing condition of frescoes: application to the Church of St. Athanasius, Amarousi"

2019 (Karampinis L. (EK) – Makris D. (EK))

 Sakellariou Ch., "Investigation of the path from the digital three-dimensional restoration of the model "Xenophanes" by Yannis Pappas to its physical restoration and conservation". February 2020.

Program. "Informatique et Sciences de l'Information et de la Communication – Informatics and Sciences of Information and Communication" TEI of Athens. Department of Informatics – University of Limoges. Department of Informatics.

2012

- o Nikolopoulos A., "Virtual EduWorld", September 2012.
- Karagiorgos Konstantinos, "Digital Reconstruction of Cultural Heritage based on Laser Scanned Artifacts", [September 2012].

2013

- Promponas E., "An Ontology Assisted, Knowledge Acquisition Approach of 2D Building Graphics, Using Image Recognition Techniques and Geometry Reasoning", [September 2013].
- o Crystal I., "3D GIS in Cultural heritage", September 2013].
- o Daskalopoulou Ch., "Use of a 3D game engine in order to deliver a serious game", [September 2013].
- o Pachos S. G., "Virtual Heritage Gallery of 3D Scanned Objects", [September 2013].
- Kapodistrias I., "A Text to 3D Virtual Worlds system", [September 2013].

DOCTORAL THESIS SUPERVISION (DOCTORAL STUDIES PROGRAM)

Doctoral research supervisor

2025

Institution Department: "Conservation of Antiquities and Works of Art"

Makris D., (Associate Professor), Stefanis N.-A., (Associate Professor),

Commission Bardis G., (Assistant Professor, Department of Information and Computer

Engineering).

Title "3D digitization and knowledge management in the documentation and

restoration of ancient monuments: The case of the Ancient Theater of Dodoni"

Doctoral candidate Katsoudas P.

2023

Institution Department: "Conservation of Antiquities and Works of Art"

Makris D., (Associate Professor), Brekoulaki Ch., (Senior Researcher, Institute

Commission of Historical Research - National Research Foundation),

Karampinis L., (Associate Professor).

"Digital restoration of colorful clay figurines from the Classical and Hellenistic

periods"

Doctoral candidate Karamouzas D.

2021

Institution Department: "Conservation of Antiquities and Works of Art"

Commission Makris D., (Associate Professor), Boyatzis S., (Professor),

Galanakis I., (Associate Professor, University of Cambridge).

Theme "Three-dimensional Renderings and Pigment Analyses in Minoan Murals: The

Case of the Knossos Relief Murals"

PhD candidate Tsitsa E.

2021

Institution Department: "Conservation of Antiquities and Works of Art"

Commission Makris D., (Associate Professor), Karampinis L., (Associate Professor), Boyatzis

S., (Professor)

Title "Three-dimensional Digital Imaging of Artistic Works Made of Flexible

Materials with the Aim of Their Conservation and Preservation"

PhD candidate Sakellariou Ch.

Member of the Three-Member Advisory Committee for the preparation of a Doctoral Thesis

2023

Institution NKUA, Department: "Geology and Geoenvironment"

Lyras G., (Associate Professor), Rousiakis S., (Associate Professor), Makris D.,

(Associate Professor),

Title "Study of the dwarf hippopotamus Hippapatamus creutzburgi from the

Katharo Plateau (Lasithi Crete)".

Doctoral candidate Gerakakis N.

2022

Institution Department: "Conservation of Antiquities and Works of Art"

Panagiaris G., (Professor) Makris D., (Associate Professor), Tzortzi K.,

(Assistant Professor – University of Patras)

"Preservation, management and promotion of archaeological airstream

musical instruments. Modern museological approaches and digital media for

their optimal museological promotion and communication with the public.

The case of the bone musical auls of Megara"

PhD candidate Theodorou G.

Title

Commission

2021

Institution Department: "Conservation of Antiquities and Works of Art"

Kokla V., (Assistant Prof.), Katsios I., (Associate Professor), Makris D.,

(Associate Professor)

"Evaluation of geographic information systems (GIS) in the protection,

preservation and promotion of archival documents. Their contribution to

decision-making for their rescue. Case study: Ecclesiastical - Monastic Archives

of the 19th -20th centuries"

PhD candidate Iliopoulou D.

Reviewer - Academic Journals - Volumes

2020 - 2025

Title

MDPI: Heritage, Sustainability, Remote Sensing, Digital, Symmetry

2024 - 2025

Springer Nature: Heritage Science, Archaeologies, Nature Cities

COORDINATION – UPGRADING OF COURSES SCIENTIFIC CONTENT (UNDERGRADUATE PROGRAM)

University of West Attica

Department: "Conservation of Antiquities and Works of Art"

COMPOSITION

2020 - 2022

- "Documentation and Digital Applications in Conservation". Course leader / definition of scientific content.
- "Special Topics in Digitization & Modeling". Course leader / definition of Scientific content.

Department: "Interior Architecture"

2017 - 2018

- o "Spatial Narratives" 8th grade. Course co-leader / definition of scientific content.
- "Design Methodology / Analog & Digital Media". Course co-leader / definition of scientific content.
- o "Design Methodology II / Digital Media". Course coordinator, definition of scientific content.
- "Communication and Space II". Course co-leader / definition of scientific content.
- o "Parametric Design". Course coordinator / definition of Scientific content. [Composition]

Technological Educational Institute of Athens

Department: "Conservation of Antiquities and Works of Art"

2013 - 2018

 « Impressions of Objects & Monuments II » 3rd semester. Course co-leader and definition of epistemological content. [Theory] – [Laboratory]

<u>Department: "Interior Architecture Decoration and Object Design"</u>

2011 - 2017

o "Computer-Aided Design Methodology". Course Theory Responsible and definition of epistemo scientific logical content. [Theory] – [Laboratory].

2013 - 2017

o " "Decorative Applications / Plastic Design". Responsible for course theory and definition of scientific content. [Theory].

2006 - 2011

""Computer-Aided Design". Course Theory Responsible and definition of scientific content. [Theory]
 - [Laboratory].

TRAINING SUPERVISION

Internship TEI of Athens MIS 299967, "Education and Lifelong Learning" Subproject 1, "Funding for the Internship of Departments of ATEI of Athens" Department of Interior Architecture Decoration and Object Design - TEI of Athens.

2017 - 2018

- Intern Konstantina A. from 01/11/2017 to 30/04/2018.
- o Intern Verde S., from 15/04/2018 to 15/10/2018.

2013 - 2014

o Intern Katralis C. from 01/11/2013 to 01/05/2014. (16-26/08/2011, Decision of the Special Account Management Committee).

2013

o Intern Karagianni Athanasia from 10-04-2013 to 09-10-2013. (08-28/03/2013, Decision of the Special Account Management Committee).

2011 - 2012

- o Interns Mikroni I. and Bourletidou V. from 19/10/2011 to 11/06/2012. (16/26-08-2011, Decision of the Special Account Management Committee).
- Intern Mavroidi A., from 07-03-2012 to 06-09-2012. (24-15/12/2011, Decision of the Special Account Management Committee).

EDUCATIONAL NOTES

o Writing educational notes for the " Digital Design " Undergraduate Program.

ERASMUS + / ERASMUS / SOCRATES PROGRAM

2022

- Yildiz Technical University, Istanbul, Department of Architecture, Turkey. Training and research on spatial narratives and digital cultural heritage, "ERASMUS +" Program, (25/04/2022 – 29/04/2022).
- Yildiz Technical University, Istanbul, Department of Conservation and Restoration of Cultural Property, Turkey. Teaching—Lectures on the topic "The Contribution of 3D Modelling & Medical Applications in the Assessment of Works of Art". «ERASMUS+», (04/01/2022 – 10/01/2022).

2019

 Yarmouk University, Jordan, Faculty of Archaeology and Anthropology, Department of Conservation and Management of Cultural Resources. Teaching and research on issues of digitization/promotion of cultural assets « ERASMUS +/ INTERNATIONAL MOBILITY ", (06/09/2019 – 06/16/2019).

2018

 Zhengzhou University, China, School of Material Science and Engineering. Teaching and research on the use of digitization in the preservation of cultural heritage. "ERASMUS+/INTERNATIONAL MOBILITY", (19/05/2018 – 25/05/2018).

2006

Université de Limoges, Department of Computer Science, France. Lectures on the topic of "Artificial Intelligence". European program SOCRATES—ERASMUS— Action 2.2. (22/05/2006–26/05/2006).

2005

 Université de Limoges, Département Informatique, France. Lectures on the topic "Information Systems". European program SOCRATES-ERASMUS-Action 2.2. (10/0520/05-17/05/2005).

2003

 Université de Limoges, Département Informatique, France. Teaching - Lectures on the topic "Information Systems". European program SOCRATES-ERASMUS-Action 2.2. (12/05/2003 – 16/05/2003).

2002

 Université de Limoges, Département Informatique, France. Teaching - Lectures on the topic "Information Systems". European program SOCRATES-ERASMUS-Action 2.2. (08/05/2002 – 18/05/2002).

2001

 Université de Limoges, Département Informatique, France. Teaching - Lectures on the topic "Information Systems". European program SOCRATES-ERASMUS-Action 2.2. (16/06/2001 – 30/06/2001).

LIFELONG LEARNING PROJECTS

2025

- "YE303 Digital Textile Design". Athens Textiles structure", framework of PE1.P4.- 09/05/2025 31/07/2025. "Subproject 03 "Implementation of Educational Programs by KEDIVIM, University of West Attica", project "Sub.2.3 Educational Program for the development of skills related to Handicraft", MIS 5200774.
 - 1. Workshop: "Digital Textile Design".
- "YE303 Digital Textile Design". Geraki Textiles structure", framework of PE1.P4.- 09/05/2025 31/10/2025. "Subproject 03 "Implementation of Educational Programs by KEDIVIM, University of West Attica", project "Sub.2.3 Educational Program for the development of skills related to Handicraft", MIS 5200774.
 - 1. Workshop: "Digital Textile Design".
- "ΚεΕ204, ΚεΕ304 "Digital Design and 3D Printing of Ceramic Objects". Athens Ceramics structure within the framework of PE1.P3, PE1.P4. 12/04/2025 – 31/07/2025. "Subproject 03 "Implementation

of Educational Programs by KEDIVIM of the University of West Attica» of the project "Sub.2.3 Educational Program for the development of skills related to Handicraft", MIS 5200774.

- 1. Workshop: "Digital Design and 3D Printing of Ceramic Objects I".
- 2. Workshop: "Digital Design and 3D Printing of Ceramic Objects II".

2023

- "Photography and Cultural Documents Contemporary Photographic Applications, Management and Copyright - September 25 - October 23, 2023. KEDIVIM. University of West Attica - Alsos Egaleo Campus". Organization: ARTICON Research Laboratory - School of Applied Arts and Culture.
 - 1. Lectures: "3D Scanning Photogrammetry".
 - 2. Workshop: "3D Scanning Photogrammetry".

2016

- "Documentation & Conservation of Mosaic Floors In Situ 04 22 April 2016". Organization: Laboratory for the Conservation of Architectural Elements, TEI of Athens in Collaboration with the Directorate for the Conservation of Ancient and Modern Monuments of the Ministry of Culture, Sports and Tourism. Under the auspices of the Athens Archaeological Museum and Funded by J. M. Kaplan Fund.
 - 1. Lecture: "Acquisition and Documentation Through 3D Digital Methods".
 - 2. Workshop: "Acquisition and Documenting Mosaics in the National Garden Through Image-Based Modeling".

2014

- Project "Advanced Technologies and Materials in the Conservation and Protection of Cultural Heritage" MIS 467332, "Program for Updating Knowledge of University Graduates", implemented through the Operational Program "Education and Lifelong Learning".
 - 1. 06/06/2014 07/06/2014. Rapporteur.
 - 1. Thematic unit: "Three-dimensional technologies in the documentation and restoration of works of art".
 - 2. Lecture: "Three-dimensional scanning and photogrammetry".

2011 - 2013

"Education & Lifelong Learning" Ministry of Education, Lifelong Learning and Religious Affairs, entitled "Promoting the Technological Institute of the Ionian Islands as an International Pole of Education and Innovation" and with OPS Code: 352400. Program title: "Educational actions for the promotion of the cultural wealth of the Ionian Islands, 2011 – 2013".

2011 - 2013. Scientific Associate.

RESEARCH ACTIVITY

2025

Member of the Core Research Group. "CULTLAB - Laboratory for the Study & Conservation of Ancient and Modern Cultural Properties". Department of Conservation of Antiquities and Works of Art. The Lab serves research and educational needs in: study, protection, and conservation of cultural and natural heritage.

2015 – 2024

 Member of the Core Research Group. "ARTICON - Research Laboratory of Advanced Interdisciplinary Applications in the Conservation - Promotion of Visual Works and Bibliographic - Archival Material" School of Applied Arts and Culture. Research and educational subjects: diagnosis, documentation, conservation and restoration of visual works/archival material, management of collections.

- Collaborating member researcher of the "Conservation of Material Elements" Laboratory (Department of Conservation of Antiquities and Works of Art), which serves research and educational needs in the following subjects: study and recording of the current state of construction materials, architectural elements and integral works of art of monuments of architectural heritage.
- Collaborating member researcher of the Laboratory of "Intelligent Knowledge, Image and Information Systems", Department of Informatics and Computer Engineering. Aim is to meet the needs of research, education and service provision of complex, intelligent systems (Advanced Intelligent Systems), which are mainly based on digital images and digital media.

2014 - 2015

- Critical Reader Call 5 "Humanities and Law, Arts and Letters" Book Title / Code: From Complex Arts to Hypermedia and New Virtual – Potential Spaces. A Handbook for the Artist Working with Digital Art / 15580. Integrated Service of the Greek Academic Electronic Book Accumulator.
- Critical Reader Call 5 "Humanities and Law, Arts and Letters" Book Title / Code: FROM
 COMPOSITE ARTS TO HYPERMEDIA AND NEW VIRTUAL POTENTIAL SPACES. A HANDBOOK FOR THE
 ARTIST DEALING WITH DIGITAL ART / 15592. Integrated Service of the Greek Academic Electronic
 Book Accumulator.
- Evaluation of Proposals within the framework of Call 1 "Engineering Sciences and Informatics" (2
 Evaluations). Integrated Greek Academic E-Books Aggregator Service.

2007 - 2008

O Research associate at EPEAEK, project "Strengthening Informatics Studies at the Technological Educational Institute of Athens". Project Purpose: The organization of the Undergraduate Curriculum (PC) of Informatics into Courses and the introduction of new subjects, so as to support their Study Directions. The introduction of new courses in the undergraduate curriculum and the reform of the curriculum. The introduction and implementation of procedures for continuous evaluation and reform of the undergraduate curriculum. The upgrading of the quality of the teaching work provided. The introduction, pilot implementation and evaluation of new teaching methods, such as distance learning in subjects of the Department, in order to determine the possibility of its organized future implementation as a complement to the traditional teaching method. 2003 – 2008.

2003 - 2005

Research associate at EPEAEK, project "Reformation of the curriculum of the Department of Decorative Arts through upgrading laboratory know-how & epistemology". The implementation of this specific Subproject resulted in the upgrading of the undergraduate curriculum of the Department of Decorative Arts, through the updating of its main Scientific subjects and the introduction of environmental protection issues.

2004 - 2007

- Research associate in the subproject "Development of intelligent product design support systems Open MultiCAD", within the framework of the research program ARCHIMEDES I. "Strengthening
 Research Groups at the Technological Educational Institute (TEI of Athens)". Responsible for the
 Work Packages:
 - 1. PE2 (Genetic Generators),
 - 2. PE4 (Completion of Requirements)
 - 3. PE5 (Concepts)
 - 4. Contribution to issues of computational aesthetics and evolutionary methods.
 - 5. Contribution to Work Package WP7 (Collaborative Design)

2000 - 2005

- Member of the Research Laboratory "Méthodes et Structures Informatiques" Department of Informatics – University of Limoges – France.
- Member of the "Intelligent Information Systems Technology" Research Group Department of Informatics – School of Technological Applications - TEI of Athens.

1999

• Member of the research team in the research program of the TEI of Athens: "Support of the process of geometric forms with emphasis in the field of Architectural Design using genetic algorithms", Interdepartmental program, Department of Informatics and Department of Decorative Arts. 19/6-7-99 EE-TEI-A. TEI OF ATHENS.

SCIENTIFIC PUBLICATIONS

1)	International peer-reviewed journals	18
2)	Books	1
3)	Collective volumes	5
4)	Peer-reviewed conference proceedings	50
5)	References	
6)	Cultural magazines	41
7)	Technical magazines	25

[A_] International Peer-reviewed Journals [18]

- A_ПK_1. Moira, M., Makris, D. (2025). *Urban Observatories. Gazing at the City. Snapshots And Allegorical Interpretations of the Urban Landscape of Athens*. Journal "Sustainable Development, Culture, Traditions". Volume 10a/2025 DOI: 10.26341/issn.2241-4010-2025-10a-2-K02116
- **A_ΠK_2.** Moira , M ., Makris , D . (2025), *A date with the lions. An important landmark, a timeless spatial symbol of the historic city of Heraklion*, Journal of Sustainable Development (Environment, Culture, Economy, Society), www. sdct -journal.gr . I SSN : 2241-4002, March 2025.
- A_NK_3. Sakellariou, C., Makris, D., & Bardis, G. (2024). From CT Scans to Morphable Digital Models: Methodologies for Revealing and Preserving the Internal Structures of Artistic Figurines. Heritage, 7(10), 5641-5659. https://doi.org/10.3390/heritage7100266.
- **A_ΠK_4.** Gerakakis, N., Makris, D., (2024). *Digital reconstruction of flattened skulls: The case of Hippopotamus creutzburgi*. Digital Applications in Archeology and Cultural Heritage, Volume 35, 2024, https://doi.org/10.1016/j.daach.2024.e00379.
- A_ΠK_5. Moira, M., Makris, D. (2024). *A 'New' narrative for the 'Neos Kosmos'*. Sustainable Development, Culture, Traditions Journal, 2024 Volume 2b, https://sdct-journal.com/index.php/2015-10-18-22-23-19/2024-volume-2-b, DOI: 10.26341/issn.2241-4002-2024-2b-2-T02100.
- A_ΠK_6. Andronache, I., Papageorgiou, I., Alexopoulou, A., Makris, D., Bratitsi, M., Ahammer, H., Radulovic, M. and Liritzis, I. (2024). *Can Complexity Measures with Hierarchical Cluster Analysis Identify Overpainted Artwork?* Scientific Culture, 2024, Vol 10, Issue 1, p1.
- A_ΠK_7. C. Sakellariou, D. Makris, L. Karampinis, (2022). *A Digital Study of the Morphological and Stability Issues of a Delicate Wax-based Artwork*. Studies in Conservation, DOI: 10.1080/00393630.2022.2049031
- A_ПK_8. Makris, D., & Moira, M. (2022). Diverse Approaches to Negotiating and Transforming Industrial Architectural Heritage. Technical Annals, 1(1), 114–131. https://doi.org/10.12681/ta.32163
- A_ПK_9. D. Makris, C. Sakellariou, L. Karampinis, (2021). *Emerging materiality through dynamic digital conservation*, Digital Applications in Archeology and Cultural Heritage, Volume 23, 2021, https://doi.org/10.1016/j.daach.2021.e00198.
- **A_ΠK_10.** Moira, M., Makris, D. (2021). 'Visible' and 'Invisible' Aspects of Historic Mediterranean Metropolises Perpetually Emerging through Augmented Reality ". Heritage 4, no. 1: 249-259. https://doi.org/10.3390/heritage4010015.
- A_ΠK_11. Makris, D. and Moira M. (2019). Augmented Entanglement of Narrative Chronotopes and Urban Territories. AM Journal of Art and Media Studies 20 (2019): pp.87-96. doi: 10.25038/am.v0i20.335.
- **A_ΠK_12.** Bratitsi, M., Liritzis, I., Alexopoulou, A., Makris, D. (2019). *Visualising underpainted layers via spectroscopic techniques: a brief review of case studies*. SCIENTIFIC CULTURE, Vol. 5, No. 3, (2019), pp. 55-68. DOI:10.5281/zenodo.3340112.
- A_ПK_13. Moira, M. and Makris D. (2018). *Cultural memory in its spatio-narrative-augmented reality*", International Journal of Media & Cultural Politics, 14:2, pp.153–71, doi: 10.1386/macp.14.2.153_1.

- A_NK_14. D. Makris, M. Moira. (2018). Enhancing Places' Identities with Augmented Reality and Novels" International Journal of Cultural and Digital Tourism, Volume 5, pp.16-23. ISSN:2241-9705 (Online), 241-973X (Print).
- A_ΠK_15. Bardis G., Golfinopoulos V., Makris D., Miaoulis G., Plemenos D. (2011). "Elicitation of User Preferences via Incremental Learning in a Declarative Modeling Environment. In: Iliadis L., Maglogiannis I., Papadopoulos H. (eds) Artificial Intelligence Applications and Innovations. EANN 2011, AIAI 2011. IFIP Advances in Information and Communication Technology, vol 364. Springer, Berlin, Heidelberg, pp.150-158. Print ISBN 978-3-642-23959-5, Online ISBN 978-3-642-23960-1, DOI https://doi.org/10.1007/978-3-642-23960-1 19.
- A_ΠK_16. Bardis G., Makris D., Golfinopoulos V., Miaoulis G., Plemenos D. (2011). *A Formal Framework for Declarative Scene Description Transformation into Geometric Constraints*. In: König A., Dengel A., Hinkelmann K., Kise K., Howlett RJ, Jain LC (eds) Knowledge-Based and Intelligent Information and Engineering Systems. KES 2011. Lecture Notes in Computer Science, vol 6881. Springer, Berlin, Heidelberg pp.347-356. Print ISBN 978-3-642-23850-5 Online ISBN 978-3-642-23851-2, DOI https://doi.org/10.1007/978-3-642-23851-2 36
- **A_ΠK_17.** Makris D., Bardis G., Miaoulis G., Plemenos D., (2009). *Acquisition and Exploitation of Qualitative Aspects in 3D Scene Synthesis*". International Journal on Artificial Intelligence Tools 2009 18 No: 1 pp 39-59. https://doi.org/10.1142/S0218213009000032
- A_ПK_18. N. Vassilas, G. Miaoulis, D. Chronopoulos, E. Constantinidis, I. Ravani, D. Makris, D. Plemenos, *MultiCAD-GA: A System for the Design of 3D Forms Based on Genetic Algorithms and Human Evaluation*. Methods and Applications of Artificial Intelligence, Second Hellenic Conference on AI, Thessaloniki, Greece (I. Vlahavas and C. Spyropoulos Eds.), Lecture Notes in Artificial Intelligence, Springer. 2002, 2308, pp. 203-214.

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B_BA_1. Moira, M., & Makris, D. (2024). *Space and Narrative - Narrative and Space* [Undergraduate textbook]. Kallipos, Open Academic Publications. https://dx.doi.org/10.57713/kallipos-400

[C_] Collective volumes [5]

- **Γ_ΣΤ_1.** Moria M., Makris D., (2024). *The Building Remembers.*. Adaptive Reuse: The Inventive Interpretation of the Shell. In Current Issues in Interiors, Cambridge Scholars Publishing Lady Stephenson Library, Newcastle upon Tyne, NE6 2PA, UK, [in press].
- **Γ_ΣΤ_2.** Makris, D., Moira, M., (2021). *Literature-Based Augmented Reality: Integrating Urban Novels with Context-Aware Augmented Reality*. In: Geroimenko, V. (eds.) 'Augmented Reality in 'Tourism, Museums and Heritage, A New Technology to Entertain and Inform'. Springer. https://doi.org/10.1007/978-3-030-70198-7_15. Series on Cultural Computing. Print ISBN978-3-030-70197-0, Online ISBN978-3-030-70198-7.
- **Γ_ΣΤ_3.** Golfinopoulos V., Makris D., Bardis G., Miaoulis G., Plemenos D. (2012). *Verbalization of 3D Scenes Based on Natural Language Generation Techniques*. In: Plemenos D., Miaoulis G. (eds) Intelligent Computer Graphics 2011. Studies in Computational Intelligence, vol 374. Springer, Berlin, Heidelberg, pp.19-39. Print ISBN 978-3-642-22906-0. Online ISBN 978-3-642-22907-7, DOI https://doi.org/10.1007/978-3-642-22907-7 2.
- Γ_ΣΤ_4. Makris D., Bardis G., Miaoulis G., Plemenos D. (2009). An SVM/GA Hybrid Framework for Qualitative Knowledge Aided 3D Scene Synthesis. In: Plemenos D., Miaoulis G. (eds) Intelligent Computer Graphics 2009. Studies in Computational Intelligence, vol 240. Springer, Berlin, Heidelberg, pp.167-188. Print ISBN 978-3-642-03451-0, Online ISBN 978-3-642-03452-7, DOI https://doi.org/10.1007/978-3-642-03452-7 9.

Γ_ΣΤ_5. Makris D. (2009). *Aesthetic – Aided Intelligent 3D Scene Synthesis*. In: Miaoulis G., Plemenos D. (eds) Intelligent Scene Modeling Information Systems. Studies in Computational Intelligence, vol 181. Springer, Berlin, Heidelberg. pp.153-183. Print ISBN 978-3-540-92901-7, Online ISBN 978-3-540-92902-4, DOI https://doi.org/10.1007/978-3-540-92902-4 6.

[D_] Proceedings of Conferences with referees [50]

- **Δ_ΠΣΚ_1.** S. Chlouveraki, E. K. Webb, D. Makris, J. Lansdowne, (2025). *Miniature mosaic icons in the making and over time: techniques and weathering issues*. 15th ICCM International Conference, Athens, Greece, 20 to 24 October 2025.
- **Δ_ΠΣΚ_2.** M. Moira, D. Makris. (2025). "Urban space "on the move": experiental and digital routes for the 21th century traveler". In 3rd Open-Air Cities International Conference: Local and Regional Sustainable Development & Urban Reconstruction. Harokopio University of Athens, Postgraduate Programme Sustainable Development and Open-Air Cities, Syros Institute.
- **Δ_ΠΣΚ_3.** E. Iakovaki, D. Makris, E. Malea. (2025). *Digital Documentation and Reconstruction of Fragile Organic Artefacts: A State-of-the-Art Review*. In 30th CIPA 2025 Symposium "*Heritage Conservation from Bits: From Digital Documentation to Data-driven Heritage Conservation*". 25–29 August 2025, Seoul, Republic of Korea.
- **Δ_ΠΣΚ_4.** M. Sisamakis; D. Makris. (2025). *3D Model Representations of Crosses with Micro-Relief Utilizing Photogrammetry and NeRFs Techniques*. In Proceedings, International Conference CAA 2025 Digital Horizons Embracing Heritage in an Evolving World. 5-9 May University of West Attica, Athens, Greece.
- **Δ_ΠΣΚ_5.** R. Papoutsaki; D. Makris; M. Petrou; S. Rapti; E. Malea; M. Giannoulaki; V. Argyropoulos, (2025). *3D digitization of a composite medieval sword: challenges between dry versus wet surfaces.* In Proceedings, International Conference CAA 2025 Digital Horizons Embracing Heritage in an Evolving World. 5-9 May University of West Attica, Athens, Greece.
- **Δ_ΠΣΚ_6.** Moira, M., Makris, D., Michalopoulou, A. (2025). *Urban Observatories. Gazing at the City. Snapshots And Allegorical Interpretations of the Urban Landscape of Athens*. In 2nd Open-Air Cities International Conference: Local and Regional Sustainable Development & Urban Reconstruction, February, 14-16, 2025, Athens, GREECE, Harokopio University of Athens.
- Δ_ΠΣΚ_7. M. Moira, D. Makris, (2024). Adaptive Reuse of Industrial Buildings. Highlighting the urban industrial heritage through the educational perspective. TICCIH GREEK SECTION CONFERENCE 2024 "The Greek industrial heritage in the years of crisis: Contemporary concerns and challenges", Larissa, 1/10-3/10/2024.
- **Δ_ΠΣΚ_8.** Makris, D. (2024). *Towards a Dialogic Perpetuation of Cultural Heritage*. In Proceedings of the 7 th Symposium of the Hellenic Society for Archaeometry Archaeometry: 30 Years Later, edited by Eleni Filippaki. 337–346. Oxford, Archaeopress Publishing Ltd.
- **Δ_ΠΣΚ_9.** Makris, D., Katsoudas, P. (2024). *Contribution of 3D Bedrock Formation to the Restoration of the Ancient Theater of Dodoni, Greece*. 11 th International Symposium on the Conservation of Monuments in the Mediterranean Basin (MONUBASIN). ().
- **Δ_ΠΣΚ_10.** Stefanis N.-A., Theoulakis P., Makris D., Koukouli A., Konstantatos A. (2024). *Materials characterization and damage assessment of the ancient kiln of Kirra, Greece*. 11 th International Symposium on the Conservation of Monuments in the Mediterranean Basin (MONUBASIN).

- **Δ_ΠΣΚ_11.** Moira M., Makris, D. (2024). Adaptive Reuse of Industrial Buildings: Promoting Urban Industrial Heritage through an Educational Perspective. TICCIH Greek Section Conference, "The Greek Industrial Heritage in the Years of Crisis: Contemporary Concerns and Challenges" Larissa, 02-05/10 2024.
- **Δ_ΠΣΚ_12.** Moira M., Makris, D. (2024). *The Charm of the Ruins From Dereliction to Repossession*. In Proceedings Tuna Ultav Z., Karabağ E., Ballice G., Uygun İ. (Eds.) CII-2024, Current Issues in Interiors International Symposium. 8-10 May 2024, Yaşar University, Izmir, Turkey.
- **Δ_ΠΣΚ_13.** Moira, M., Makris D. (2024). "A 'New' Narrative for the "Neos Kosmos. 1st Open-Air Cities International Conference: Local and Regional Sustainable Development & Urban Reconstruction. Harokopio University of Athens, Greece February 16-18, 2024.
- **Δ_ΠΣΚ_14.** Tsitsa, E., Galanakis, Y., Makris, D. (2023). *Between sculpture & painting: the relief frescoes of Knossos as perception technology*. 13 th International Congress of Cretan Studies (Agios Nikolaos, 5-9 October 2022. Crete.
- **Δ_ΠΣΚ_15.** Moira M., Makris, D., Michalopoulou, K. (2023). *Observatories: The View, Landscapes, Places and the Symbolic Capital of Historical Memory*. Landscape Architecture Conference 2023, Thessaloniki, Greece, 02-04 November 2023.
- **Δ_ΠΣΚ_16.** Katsoudas, P., Makris D. (2023). *Proposal for the documentation and restoration of the Ancient Theater of Dodona using digital copies*. Conference "Knowledge and considerations on the occasion of the restoration of the Theater of Dodona", 20/06/2023. Archaeological Museum of Ioannina, Ioannina.
- **Δ_ΠΣΚ_17.** Moira M., Makris, D. (2023). *The dynamic museum of the city: Mapping urban cultural memory*. Archaeological Dialogues. Syros May 27-29, 2023.
- **Δ_ΠΣΚ_18.** S. Chlouveraki, D. Makris, S. Akpek. (2022). *Medical technology and 3D imaging in the service of mosaic conservation*. XIV International Conference of ICCM, Plovdiv, October 11-15, 2022. [Accepted for oral presentation].
- **Δ_ΠΣΚ_19.** D. Makris, M. Moira, (2022). *New Emerging Urbanities Vacillations, transformations and challenges in the post-Covid urban condition*. 'CHANGING CITIES V: Spatial, Design, Landscape, Heritage & Socio-economic Dimensions' 20-25 June 2022, Corfu Island, Greece.
- **Δ_ΠΣΚ_20.** D. Makris, S. Chlouveraki and S. Akpek, (2021). *Using digital approaches to reveal the history of a rare portable mosaic icon Creation, use, alterations, interventions*. 4 th CAA-GR conference 'Computer Applications and Quantitative Methods in Archaeology, Greece', 21 th /22 nd October 2021, Institute of Nanoscience and Nanotechnology/Institute of Informatics and Telecommunications. Athens Greece.
- **Δ_ΠΣΚ_21.** M. Moira, D. Makris, (2021). *Inside A hybrid urban habitation landscape*. Conference proceedings. 8th International Mediterranean Aesthetics Conference, Hellenic Society of Aesthetics, 9/11 September online.
- Δ_ΠΣΚ_22. H. Sakellariou, L. Karampinis, D. Makris. (2019). Investigation of the path of the digital three-dimensional restoration of the wax and plasticine model "Xenophanes" by Yannis Pappas.
 Proceedings of the 3rd Panhellenic Conference on the Digitization of Cultural Heritage 2019. "3 nd
 Pan Hellenic Conference on Digital Cultural Heritage EuroMed 2019", Athens, 25-27 September, 2019. p.299-310, ISBN: 978-618-85119-0-3.
- **Δ_ΠΣΚ_23.** Moira, M., Makris D. (2019). Athens. A City on the Cusp of its Historical Time. Literature and Architectural Space: From the Urban Memory of Ancient Beauty to the Topical Literary Representations of a City in Transition. ICA 2019 Belgrade 21st International Congress of Aesthetics,

- Possible Worlds of Contemporary Aesthetics: Aesthetics Between History, Geography and Media July 22-26, 2019, Nataša Janković, Boško Drobnjak and Marko Nikolić, pp.1204-1211. ISBN 9788679242242, Belgrade, Serbia.
- Δ_ΠΣΚ_24. Vlachou MA, Makris D., Karampinis L. (2019). Vandalized Frescoes' Virtual Retouching. In: Moropoulou A., Korres M., Georgopoulos A., Spyrakos C., Mouzakis C. (eds) Transdisciplinary Multispectral Modeling and Cooperation for the Preservation of Cultural Heritage. TMM_CH 2018. Communications in Computer and Information Science, vol 961. Springer, Cham. Print ISBN 978-3-030-12956-9 Online ISBN 978-3-030-12957-6, DOI https://doi.org/10.1007/978-3-030-12957-6_11
- **Δ_ΠΣΚ_25.** D. Makris, I. Skaltsas, S. Fotiou, L. Karampinis and MA Vlachou, (2018). *Digitization of Athens School of Fine Arts Artworks Based on Optical 3-D Scanning and Photogrammetry*. 9th International Conference on Information, Intelligence, Systems and Applications (IISA), 2018, pp. 1-7, doi: 10.1109/IISA.2018.8633603.
- **Δ_ΠΣΚ_26.** M. Moira, D. Makris. (2018) "Literary mappings of Athens in the years of crisis". 6th European Congress of Modern Greek Studies, The Greek World in Periods of Crisis and Recovery, (1204-2018), Lund, Sweden, 2018. Volume B', Edited by: B. Sampatakakis, European Society for Modern Greek Studies, Athens 2020. pp. 170-190. ISBN (vol.) 978-91-519-6381-5.
- **Δ_ΠΣΚ_27.** Moira M., Makris D., (2018). *Literature and new digital technologies in the example of the port city of Heraklion, Crete Urban Memory, Narrative Spaces, New Digital Technologies*. Proceedings Gavra E.-G., Georgitsoyanni E. (eds.) International Conference "Port cities and maritime routes in Eastern Mediterranean and Black Sea (18th 21st centuries)", Athens, Greece. ISBN: 978-618-5255-15-2. pp.961-979
- $Δ_{\Pi\Sigma K}$ 28. Moira M., Makris D. (2018). The city of memory and desire. Urban wanderings in the present and past of Omonia Square. Archaeological Dialogues 2018, 4th Meeting- "Cities / Urban landscape". Athens, 31/5 3/6/2018.
- Δ_ΠΣΚ_29. L. Karampinis, M.-A. Vlachou, G. Skaltsas, E. Maravelakis, D. Makris. (2017). Digital Color Restoration of Murals of a Vandalized Monument and Possibility of Morphological Restoration. Proceedings of the 2nd Panhellenic Conference on the Digitization of Cultural Heritage 2017 ("2nd Pan Hellenic Conference on Digital Cultural Heritage EuroMed 2017"), Volos, December 1-3, 2017. ISBN: 978--618-00-0380-2, p.438-446
- Δ_ΠΣΚ_30. Makris D., Vlachou MA, Karampinis L. (2018) Digital Color Restoration of Vandalized Monument's Frescoes. In: Koui M., Zezza F., Kouis D. (eds) 10th International Symposium on the Conservation of Monuments in the Mediterranean Basin. MONUBASIN 2017. Springer, Cham. pp. 561-569. Print ISBN 978-3-319-78092-4 Online ISBN 978-3-319-78093-1, DOI https://doi.org/10.1007/978-3-319-78093-1 61.
- **Δ_ΠΣΚ_31.** Makris D., Moira M. (2018) *Augmenting Urban Places' Identities with Novels*. In: Katsoni V., Velander K. (eds) Innovative Approaches to Tourism and Leisure. Springer Proceedings in Business and Economics. Springer, Cham, pp. 245-248. Print ISBN 978-3-319-67602-9 Online ISBN 978-3-319-67603-6, DOI https://doi.org/10.1007/978-3-319-67603-6 18.
- **Δ_ΠΣΚ_32.** Makris D. (2016). *Re-Remember where*. Proceedings, 3rd International Conference, Mediterranean Worlds: Perceptions and Transformations of Space /3e Congrès International Mondes Méditerranéens: perceptions et transformations de l'espace. National and Kapodistrian University of Athens, School of Philosophy / Université Sciences Humaineset Sociales, Lille 3, Athens 8-9 October 2015, University of Athens. Forthcoming publication, participation in the proceedings by invitation.
- Δ_ΠΣΚ_33. Makris, D. & Moira, M. (2016). Following digital signals in the city. Literary and digital representations in the aesthetic depiction and experiential reception of the urban landscape. Proceedings of Sinou M., Tatla E., Chiotinis N. (Eds.), 2nd Scientific Conference of the School of Artistic

- Studies, TEI of Athens, Aesthetics in the New Digital Reality, Athens, Technopolis of the Municipality of Athens, 27-28 May 2016. ISBN: 978-618-84016-1-7, ISSN: 2654-0827
- **Δ_ΠΣΚ_34.** Moira M., Makris D. (2015). Experiencing urban identity through novels-inspired digital navigation. IMIC2015, 1st International Conference on Experiential Tourism, Santorini, Greece, 09-11/10/2015.
- Δ_ΠΣΚ_35. M. Moira, D. Makris. (2014). Digital voyages in the literary city. Continuities and discontinuities of urban spatial experience. Continuities, discontinuities, ruptures in the Greek World (1204-2014): economy, society, history, literature: 5th European Congress of Modern Greek Studies of the European Society of Modern Greek Studies Thessaloniki, 2-5 October 2014: Proceedings. Continuities, discontinuities, ruptures in the Greek World (1204-2014): economy, society, history, literature: 5th European Congress of Modern Greek Studies of the European Society of Modern Greek Studies: proceedings / edited by Konstantinos A. Dimadis. (vol. 4), pp. 715-733.
- **Δ_ΠΣΚ_36.** Makris D., Bardis G., Golfinopoulos V., Pefanis G., Miaoulis G. (2013). " *Theatrical text interpretation. Towards a computer mediated scenography*". 19th Jubilee International Congress of Aesthetics, "Aesthetics in Action" Krakow 21-26 July 2013, Krakow, Poland. ISBN 978-83-64275-05-0.
- **Δ_ΠΣΚ_37.** Golfinopoulos V., Makris D., Bardis G., Miaoulis G., Plemenos D., (2011). " *Shapes to words* ". Proceedings 14 th International Conference Computer Graphics and Artificial Intelligence 3IA '11, D. Plemenos (Ed.), Athens, Greece. 2011, ISBN 2-914256-13-2, pp.21-33.
- **Δ_ΠΣΚ_38.** Bardis G., Makris D., Golfinopoulos V., Miaoulis G., Plemenos D. (2010). *Declarative Disambiguation Using Knowledge-based Requirements Transformation into a Formal Constraint Model*. Proceedings 13th ^h International Conference Computer Graphics and Artificial Intelligence 3IA '10, D. Plemenos (Ed.), Athens, Greece. 2010 ISBN 2-914256-12-4, pp.59-69.
- **Δ_ΠΣΚ_39.** Makris D., Bardis G., Miaoulis G., Plemenos D., (2009). *Automation of Style Acquisition and Implementation in 3D Scene Synthesis*. Proceedings 12 th International Conference Computer Graphics and Artificial Intelligence 3IA '09, D. Plemenos (Ed.), Athens, Greece. ISBN 2-914256-11-6, pp. 115-126.
- **Δ_ΠΣΚ_40.** Makris D., Bardis G., Miaoulis G., Plemenos D., (2007). *Administration and Exploitation of Qualitative Aspects in Declarative 3D Scene Synthesis*. Proceedings 19th IEEE International Conference on Tools for Artificial Intelligence, Patras, Greece. ISBN 0-7695-3015-X, pp. 429-436.
- **Δ_ΠΣΚ_41.** Bardis G., Golfinopoulos V., Makris D., Miaoulis G., Plemenos D. (2007). *Experimental results of selective visualization according to user preferences in a declarative modeling environment*. Proceedings 10 th International Conference Computer Graphics and Artificial Intelligence 3IA '07, D. Plemenos (Ed.), Athens, Greece, ISBN 2-914256-09-4, pp.29-38.
- **Δ_ΠΣΚ_42.** Golfinopoulos V. Bardis G., Makris D., Miaoulis G., Plemenos D., (2007). *Multiple scene understanding for declarative scene modeling*. 10th International Conference Computer Graphics and Artificial Intelligence 3IA '07, D. Plemenos (Ed.), Athens, Greece, ISBN 2-914256-09-4, pp.39-49.
- **Δ_ΠΣΚ_43.** Makris D., Havoutis I., Miaoulis G., Plemenos D., (2006). *MultiCAD MOGA. A System for Conceptual Style Design of Buildings*. Proceedings 9th International Conference Computer Graphics and Artificial Intelligence 3IA '06, D. Plemenos (Ed.), Limoges, France, ISBN 2-14256-08-6, pp.73-84.
- **Δ_ΠΣΚ_44.** Makris D., Miaoulis G., Plemenos D., (2006). *Towards a computational model of style for aesthetic design*. Proceedings III Mediterranean Congress of Aesthetics, Portoroz, Slovenia, ISBN 978-961-92240-0-7, pp.108 -114.
- Δ_ΠΣΚ_45. Dragonas J., Lazaridis A., Makris D., Miaoulis G., Plemenos D., (2006). " Towards Project Coordination Environment for Collaborative Declarative Scene Modeling". Proceedings 9 th

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Member of the organizing committee of the international conference, "11th International Symposium on the Conservation of Monuments in the Mediterranean Basin (MONUBASIN). Exploring Material, Techniques and Technological Advances for Conservation, Urban Restoration and Management of Cultural Heritage in the New Era, Greece", Athens, 17-19 June 2024.

2008 - 2011

Member of the organizing committee of the International Conference "3IA 2012 International Conference on Computer Graphics and Artificial Intelligence" / "3IA 2011 International Conference on Computer Graphics and Artificial Intelligence", / "3IA 2010 International Conference on Computer Graphics and Artificial Intelligence", / "3IA 2009 International Conference on Computer Graphics and Artificial Intelligence", / "3IA 2008 International Conference on Computer Graphics and Artificial Intelligence", which was organized by the TEI of Athens in collaboration with the University of Limoges.

2003 - 2007

Member of the organizing committee of the International Conference "3IA 2007 International Conference on Computer Graphics and Artificial Intelligence" / "3IA 2006 International Conference on Computer Graphics and Artificial Intelligence" / "3IA 2005 International Conference on Computer Graphics and Artificial Intelligence" / "3IA 2004 International Conference on Computer Graphics and Artificial Intelligence" / "3IA 2003 International Conference on Computer Graphics and Artificial Intelligence", which was organized by the University of Limoges.

SCIENTIFIC COLLABORATION WITH UNIVERSITY INSTITUTIONS

UNIVERSITY OF LIMOGES

2001 - 2009

o Participation in the research and educational activity of the laboratory *Méthodes and Structures Informatiques*, of the Computer Science department of the University of Limoges in France.

ADMINISTRATIVE – COORDINATION ACTIVITY

C.A.W.A. Internship Committee

2020 - 2023

Member of the Internship Committee of the C.A.W.A. department. Act "Tertiary Education Internship
of the University of West Attica".

Research and Management Committee of the Special Research Funds Account

2019 - 2020

 Member of the ELKE of the University of West Attica, as representative of the Department of Interior Architecture.

ERASMUS+

2019 - 2020

 Erasmus + mobility program, of the "Interior Architecture" department. Academic management and coordination of incoming and outgoing students and teachers from collaborating institutions.

SECTOR MANAGEMENT

2018 - 2019

 Director. D' Sector 'Sustainable and Digital Design, and Construction Technology', Department of Interior Architecture, University of West Attica.

2012 - 2013

- Director. A' Sector 'Architectural, Construction and Visual Technology' department of the Department of Interior Architecture, Technology University of Athens.
- Vise Director. A' Sector 'Architectural, Construction and Visual Technology'" department of Interior Architecture, Technology University of Athens.

ACADEMIC COMMITTEES

2019

- Member of the evaluation committee for candidates for positions 407, Department of Interior Architecture.
- Member of the evaluation committee for candidates for NSRF positions, Department of Interior Architecture.

2015 - 2016 and 2017 - 2018

 Member of the evaluation committee for candidates for positions of educational staff associates of the Interior Architecture department.

ADMINISTRATIVE COMMITTEES

- Member of the Interinstitutional Postgraduate Studies Program Committee of the C.A.W.A. department.
- o Member of the Undergraduate Curriculum Committee of the C.A.W.A. department.
- Member of the Doctoral Studies Committee of the C.A.W.A. department.
- Chairman of the committee for drafting the academic year 2021-2022 timetable, C.A.W.A. department.
- Chairman of the drafting committee of the Examination Program for the academic year 2021-2022,
 C.A.W.A. department.
- Chairman of the Consumables and Equipment Procurement Program Committee for the year 2013,
 IA department.
- Member of the Consumables and Equipment Procurement Program Committee 2013, IA department.
- Responsible for compiling the timetable for the winter semester of the academic year 2012-2013,
 IA department.
- Chairman of the committee for drafting the Exam Program for the spring semester of the academic year 2011-2012, IA department.
- o Member of the sub-committee " Processing Student Evaluation Reports " of the IA department.
- Chairman of the committee for digital presentation of courses plus ECTS (credit units) of the IA department.

- Chairman of the editorial committee for the weekly program of the spring semester 2011-2012, IA department.
- Chairman of the drafting committee of the Examination Program for the winter semester of the academic year 2011-2012, IA department.
- Member of the Consumables and Equipment Procurement Program Committee for 2012, IA
 Department.
- Chairman of the drafting committee of the Examination Program for the spring semester of the academic year 2010-2011, IA department.
- Chairman of the drafting committee of the Examination Program for the winter semester of the academic year 2010-2011, IA department.
- Alternate member of the annual committee for conducting preliminary tenders for the supply of equipment, consumables, educational materials and work, for the Technical and Vocational Training School.
- Member of the Consumables and Equipment Procurement Program Committee, year 2011, IA department.
- Member of the committee for the control and recording of the final course program for the winter semester of the academic year 2010-2011, IA department.

INFRASTRUCTURE MAINTENANCE

- o Responsible for the C.A.W.A. department website.
- Member of the main Fire Safety team of the Civil Defense units of the Technical University of Athens, (04/07-062011).
- o Responsible for the IA department website.

PROFESSIONAL ACTIVITY

PUBLIC SECTOR

2025

- "YE303 Digital Textile Design". Athens Textiles structure", framework of PE1.P4.- 09/05/2025 31/07/2025. "Subproject 03 "Implementation of Educational Programs by KEDIVIM, University of West Attica", project "Sub.2.3 Educational Program for the development of skills related to Handicraft", MIS 5200774.
 - 1. Workshop: "Digital Textile Design".
- "YE303 Digital Textile Design". Geraki Textiles structure", framework of PE1.P4.- 09/05/2025 31/10/2025. "Subproject 03 "Implementation of Educational Programs by KEDIVIM, University of West Attica", project "Sub.2.3 Educational Program for the development of skills related to Handicraft", MIS 5200774.
 - 1. Workshop: "Digital Textile Design".
- "ΚεΕ204, ΚεΕ304 "Digital Design and 3D Printing of Ceramic Objects". Athens Ceramics structure within the framework of ΠΕ1.Π3 and ΠΕ1.Π4. 12/04/2025 31/07/2025. "Subproject 03 "Implementation of Educational Programs by KEDIVIM of the University of West Attica» of the project "Sub.2.3 Educational Program for the development of skills related to Handicraft", MIS 5200774.
 - 1. Workshop: "Digital Design and 3D Printing of Ceramic Objects I".
 - 2. Workshop: "Digital Design and 3D Printing of Ceramic Objects II".

2023

- "Photography and Cultural Documents Contemporary Photographic Applications, Management and Copyright - September 25 - October 23, 2023. KEDIVIM. University of West Attica - Alsos Egaleo Campus". Organization: ARTICON Research Laboratory - School of Applied Arts and Culture.
 - Lectures: "3D Scanning Photogrammetry".

Workshop: "3D Scanning – Photogrammetry".

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Service

Project "Study of the Materials and Pathology of the Morosini Fountain in Heraklion, Crete".

(ELKE University of West Attica project code 81293).

Position Researcher – 3D documentation of the monument

2022

Position

Position

Service

Service General Secretariat for Research and Innovation - Directorate for Support of Research and

Innovation Actions / Department B of Program Management and Monitoring

Member of the verification body of the project "Digitizing Art and Cultural Heritage for

experiential experience through innovative technologies" PSKE T6YBP-00015 OPS 5066821.

Action "Special Actions "AQUACULTURE" - "INDUSTRIAL MATERIALS" - "OPEN INNOVATION

IN CULTURE" "

Service General Secretariat for Research and Innovation - Directorate for Support of Research and

Innovation Actions / Department B of Program Management and Monitoring

Member of the verification body of the project "Participatory and Experiential Workshops for the Braduction and Branching of Contamounts Art", DSVF TCVPR 00510, ORS 5056323

for the Production and Promotion of Contemporary Art", PSKE T6YBP-00510, OPS 5056223.

Action "Special Actions "AQUACULTURE" - "INDUSTRIAL MATERIALS" - "OPEN INNOVATION

IN CULTURE " "

29/03/2022 to 30/05/2022

"Preparation of a Study on the Construction Technology, Pathology and Conservation of the

Mosaic Image of Panagia Pammakaristos, of the Ecumenical Patriarchate of Constantinople" with funding from the "KATERINE LASKARIDI FOUNDATION" (project code 81022).

Position Researcher – Three-dimensional digital documentation of the project under study

15-07-2021 to 15-12-2021

Service Special Account for Research Funds of the National Technical University of Athens. Research

Project "OPEN ACADEMIC ELECTRONIC TEXTBOOKS - KALLIPOS+" with code 60020100.

Participation in the writing of an open electronic book within the framework of the

"KALLIPOS+ Project" (Written Project). Proposal: 2021021411397408588328004

04 -22 /04/2016

Service

Architectural Elements Conservation Laboratory, TEI of Athens in collaboration with the

Directorate for the Conservation of Ancient and Modern Monuments of the Ministry of

Culture and Sports.

Position Lecturer and workshop speaker at the "Seminar on the Maintenance of Mosaic Floors in "in

situ".

17/01/2015 until 30/09/2015

Special Account for Research Funds of the National Technical University of Athens (NTUA Service ELKE). Research Project entitled "Integrated Service of the Greek Academic Electronic Book

Accumulator" with code 68/1161.

Participation in: PE2. Creation of Electronic Textbooks and Tools. Critical Reading in the context of Call 5 - "Humanities and Law, Arts and Letters" - Book Title / Code: From Complex Arts to Hypermedia and New Virtual – Potential Spaces. A Handbook Position for the Artist Working with Digital Art / 15580. Critical Reading in the context of Call 5 - "Humanities and Law, Arts and Letters" - Book Title / Code: FROM COMPOSITE ARTS TO HYPERMEDIA AND NEW VIRTUAL POTENTIAL SPACES. A HANDBOOK FOR THE ARTIST DEALING WITH DIGITAL ART / 15592. 17/2/2014 until 11/9/2014 Special Account for Research Funds of the National Technical University of Athens (NTUA Service ELKE). Research Project entitled "Integrated Service of the Greek Academic Electronic Book Accumulator" with code 68/1161. Evaluator . Participation in: PE2. Creation of Electronic Textbooks and Tools. Evaluation of Position Proposals in the context of Call 1 – "Engineering Sciences and Informatics" (2 Evaluations). 28/05/2014 - 04/07/2014 Department of Research Programs. Special Account Management Committee. Special Service Research Funds Account. TEI of Athens. Scientific Associate in the Project "Advanced Technologies and Materials in the Conservation and Protection of Cultural Heritage" (MIS 467332). Funded Lifelong Learning Program for Position the Updating of Knowledge of University Graduates (PEGA). 01/11/2011 - 30/06/2012 and 13/09/2012 - 31/12/2013 Service TEI of the Ionian Islands – Department of Cultural Heritage Conservation. Scientific Associate in the program: "Educational actions for the promotion of the cultural **Position** wealth of the Ionian Islands, 2011 – 2013". 20/08/2012 - 15/09/2012 and 08/07/2013 - 19/07/2013 Service TEI of the Ionian Islands – Department of Cultural Heritage Conservation. Training Instructor in the program: " "Educational actions for the promotion of the cultural Position wealth of the Ionian Islands, 2011 – 2013". 01/02/2004 to 30/06/2007 Service TEI of Athens – Department of Informatics. Researcher in the subproject "Development of intelligent product design support systems -Position Open – MultiCAD", within the framework of the ARCHIMEDES I research program. 24/04/2007 to 31/07/2008 Service TEI of Athens – Department of Informatics. Researcher at EPEAEK, project "Strengthening Computer Science Studies at the Position Technological Educational Institute of Athens". 01/07/2003 to 31/12/2003, and 01/01/2005 to 31/12/2005

Service TEI of Athens-Department of Interior Architecture, Decoration and Object Design.

Researcher at EPEAEK, project "Reform of the curriculum of the Department of Decorative Arts through upgrading laboratory know-how & epistemology".

1999 – 2000

Service TEI of Athens – Research project 19/6-7-99

Position

Member of a research team for a project entitled "Supporting the process of creating geometric shapes with emphasis in the field of Architectural Design using genetic algorithms".

PRIVATE SECTOR

10/01/2005 to 20/12/2005

Employer Design – Consulting firm "Golfomitsou and associates"

Position (CAD) design and study of architectural projects.

30/01/2004 to 29/12/2004

Employer ASPA S.A.

Position (CAD) design and study of architectural projects

01/01/2003 - 20/12/2003

Employer Design office "Polydoropoulos Designs-Constructions"

Position (CAD) design and study of architectural projects.

01/01/2001 - 20/12/2001

Employer ARKA Consulting – Design Office SYNTHESIS LTD.

Position (CAD) design and study of architectural projects

1997 - 2001

Employer Special periodical publication "MATERIAL & BUILDING"

Position Consultant for special topics "Architecture - Design "

2000 - 2005

Employer "HIGHLIGHTS" magazine editor

Position Consultant for special topics "Architecture - Design"

INTERIOR ARCHITECTURAL STUDIES

PARTICIPATION IN ARCHITECTURAL COMPETITIONS

1991

"International Architectural Competition New Acropolis Museum". Published study. Study team N. Chiotinis – A. Vlastos – A. Kondylis – A. Meletsas – D. Makris – P. Ieremiadis. Published by the Ministry of Culture, Directorate of Museum Studies. Edited by Ersi Filipopoulos-Michailidou, ISBN 960-214-715-6, p. 274.

RESEARCH PROJECT

1995 - 1998 & 1999 - 2005

 Preparation / implementation of interior architecture studies - residences, office spaces, commercial stores, leisure and entertainment spaces.

1995 - 1998 & 1999 - 2005

Design / construction of furniture for homes and commercial spaces.

FOREIGN LANGUAGES

ENGLISH Msc Britain

FRENCH Certificate de Langue Française & PhD France

SOFTWARE

Computer Aided Design Archicad – Autocad – FreeCad – Blender 3D

Laser Scanning ZScan – Leios2

Image Based Modeling RealityCapture – MeshRoom – MetaShape – ReCap Photo

Mesh Modeling MeshLab – CloudCompare – GIGAMesh – Meshmixer

Computed Tomography 3DSlicer – RadiAnt

PARTICIPATION IN SCIENTIFIC ASSOCIATIONS

2006 - present

 Regular member of the "Hellenic Society of Scientists and Professionals in Information Technology and Communications" EPY.

CONTINUING EDUCATION

1994

 Seminar: "Space and Society: Modern - Postmodern Perspectives". National Technical University of Athens, Center for Continuing Education.

SCHOLARSHIPS – HONORARY DISTINCTIONS

1997 - 1999

Scholarship of the State Scholarship Foundation. Scholarship for postgraduate studies abroad.
 Master's degree at the Faculty of Design and the Built Environment – School of Architecture – University of East London, United Kingdom.