Dr. MICHAIL PANAGOPOULOS (Curriculum Vitae)

PERSONAL INFORMATION

Email address: mpanagop@ionio.gr
Personal web page: http://users.ionio.gr/~mpanagop/
Date of Birth: 15 August 1977
Nationality: Hellenic

EDUCATION

NATIONAL TECHNICAL UNIVERSITY OF ATHENS   Athens, Greece

PhD Thesis, School of Electrical and Computing Engineering

                                      February 2004 – July 2008

- «Identification of the writer of ancient Greek inscriptions and study of the style that archaeological finds were made of, using novel algorithms of pattern recognition and image processing»

NATIONAL TECHNICAL UNIVERSITY OF ATHENS   Athens, Greece

Diploma of Electrical and Computing Engineering   September 1997 - October 2002
- Flow *Computer Systems*.
   Degree: *Very Good*
- Member of the university water polo club (distinction at the National University Championships)

LYCEE LEONIN N. SMYRNI   Athens, Greece
Apolytirion   June 1995

TEACHING EXPERIENCE

IONIAN UNIVERSITY   Corfu, Greece
Associate Professor, Department of Audio-Visual Arts   December 2022 – Today

IONIAN UNIVERSITY   Corfu, Greece
Assistant Professor, Department of Audio-Visual Arts   August 2016 – December 2022
- Discipline: Pattern Recognition on Cultural Visual and Artistic Applications
- Teaching Courses:
  Introduction to Computer Science I (1st Semester),
  Introduction to Computer Science II (2st Semester)
  Introduction to Programming I (3rd Semester),
  Mathematics and Art (1nd Semester),
  Digital Synthesis of Virtual Environments (9th Semester),
  Mathematics for Audiovisual Arts (4th Semester),
  Artificial Intelligence (10th Semester)
  Artificial Intelligence in Practice (Postgraduate Program)
  Audiovisual Systems for Alternative Reality (Postgraduate Program)

IONIAN UNIVERSITY   Corfu, Greece
Lecturer, Department of Audio-Visual Arts   January 2014 – August 2016
- Discipline: Pattern Recognition on Cultural Visual and Artistic Applications
- Teaching Courses:
  Introduction to Computer Science I (1st Semester),

Introduction to Computer Science II (2st Semester)
Introduction to Programming I (3rd Semester),
Mathematics and Art (1nd Semester),
Digital Synthesis of Virtual Environments (9th Semester),
Mathematics for Audiovisual Arts (4th Semester),
Artificial Intelligence (10th Semester)

IONIAN UNIVERSITY
Corfu, Greece
Adjunct Lecturer, Department of Audio-Visual Arts October 2008 – December 2012

- Taught Courses:
Introduction to Computer Science I (1st Semester),
Introduction to Programming II (3rd Semester),
Website Development (3rd Semester),
Introduction to Computer Science II (2nd Semester),
Introduction to Computer Science II (Lab) (2nd Semester),
3D Graphics (6th Semester),
Introduction to Programming I (Lab) (2nd Semester),
Mathematics and Art (2nd Semester)
Mathematics for Audiovisual Arts (4th Semester).

NATIONAL TECHNICAL UNIVERSITY
Athens, Greece
Subsidiary Teaching, School of Electrical and Computing Engineering February 2004 – June 2008

- Teaching Lessons:
Logic Design of Digital Systems (2nd Semester),
Digital Systems Lab (4th Semester),
Digital Signal Processing Algorithms (Graduate),
Computer Application Development (2nd Semester - School of Naval Architecture and Marine Engineering)

CRAM SCHOOL «REMPAMPI»
Athens, Greece
October 2007 - June 2008

- Teaching lesson: Application Development in Programming Environment

CRAM SCHOOL «QUANTUM»
Athens, Greece
October 2007 - June 2008

- Teaching lesson: Application Development in Programming Environment

INSTITUTE OF PROFESSIONAL TRAINING (I.E.K.) KALAMAKIOY
Athens, Greece
October 2004 - June 2006
October 2012 – June 2013

- Teaching Lessons:

UNIX *(3rd Semester specialty «Multimedia Computer Applications Technician»),*
2D and 3D Animation – 3D MAX *(3rd Semester specialty «Multimedia Computer Applications Technician»,)*
Data Structures *(1st Semester specialty "Multimedia Computer Applications Technician")*
Data Bases *(1st Semester specialty "Multimedia Computer Applications Technician")*
Operating Systems *(3rd Semester specialties «PC & Office electronic Devices Technician», «Telecommunication & Data Transmission Systems Technician»),*
Installations Automatics *(3rd Semester, specialties «Air-conditioning installation Technician», «Gas Fuel Technician»),*
Microprocessors (Lab and Theory) *(2nd Semester, specialties «PC & Office electronic Devices Technician», «Telecommunication & Data Transmission Systems Technician»)*
Computer Use *(1st Semester & 2nd Semester, specialties «PC & Office electronic Devices Technician», «Telecommunication & Data Transmission Systems Technician»),*

RESEARCH WORK

Fields of Interest

Application of Digital Signal Processing and Pattern Recognition in Archaeology-Heritage, Arts and Cultural Heritage,
Digital Image and Audio Processing,
Pattern Recognition,
Computer Vision,
Artificial Intelligence,
Machine Learning,.l;l;[ppl

RESEARCH PROGRAMMS

IONIAN UNIVERSITY   Corfu, Greece
Scientific Director, Department of Audio & Visual Arts   April 2021 – Today

Hub of Arts Laboratory (**HAL**) , EPAnEK

IONIAN UNIVERSITY   Corfu, Greece
Department of Audio & Visual Arts   November 2020 – January 2021

BRENDA-Digital Gastronomy Routes, *EPAnEK*

IONIAN UNIVERSITY   Corfu, Greece
Scientific Director, Department of Audio & Visual Arts   September 2018 – December 2020

Common Initiatives to AcKnowledge and valorize ⸊SEP⸊tourism potential of the programme area through cinema **CIAK**, INTERREG Greece – Italy,

IONIAN UNIVERSITY   Corfu, Greece
Department of Audio & Visual Arts   May 2020 – December 2020

Corfu Cultural Adventure GamE, **C.CAGE**, ΕΣΠΑ, Περιφέρεια Ιονίων Νήσων

IONIAN UNIVERSITY   Corfu, Greece
Department of Informatics

Τεχνολογία για την Ενεργοποίηση Ανοιχτής Πόλης **OCTANE,** INTERREG Greece – Italy,

ARISTOTLE UNIVERSITY OF THESSALONIKI   Thessaloniki, Greece
                                                                          April 2013 – December 2013

Advanced Tourism Planning System (ATLAS), Artificial Intelligence & Information Analysis Laboratory, Department of Informatics

Publications in Peer Reviewed Journals

[J1].   Vlachou, S.; Panagopoulos, M. "An Examination of Classical Art Impact and Popularity through Social Media Emotion Analysis of Art Memes and Museum Posts." *Information* 2022, 13, 468. https://doi.org/10.3390/info13100468 [Impact Score: 4.2 (Clarivate Analytics), Q2]

[J2].   Vlachou, Sofia, and Michail Panagopoulos. "The Arc de Triomphe, Wrapped: Measuring Public Installation Art Engagement and Popularity through Social Media Data Analysis." *Informatics 9*, no. 2 (June 2022): 41. https://doi.org/10.3390/informatics9020041. [Impact Score: 4.88 (Clarivate Analytics), Q1]

[J3].   Lamprogeorgos, Aristeidis, Minas Pergantis, Michail Panagopoulos, and Andreas Giannakoulopoulos. "Aesthetic Trends and Semantic Web Adoption of Media Outlets Identified through Automated Archival Data Extraction." *Future Internet 14*, no. 7 (July 2022): 204. https://doi.org/10.3390/fi14070204. [Impact Score: 5.4 (Clarivate Analytics), Q2]

[J4].   Dimitrios Arabadjis, Fotios Giannopoulos, Michail Panagopoulos, Michail Exarchos, Christopher Blackwell, Constantin Papaodysseus, "A general methodology for identifying the writer of codices. Application to the celebrated "twins", *Journal of Cultural Heritage, Volume 39, Pages 186-201, September - October 2019* https://www.sciencedirect.com/science/article/abs/pii/S1296207418305119

[J5].   C. Papaodysseus, P. Rousopoulos, F. Giannopoulos, S. Zannos, D. Arabadjis, M. Panagopoulos, E. Kalfa, C. Blackwell, S. Tracy, "Identifying the writer of ancient inscriptions and Byzantine codices. A novel approach", *Computer Vision and Image Understanding*, *Volume 121, Pages 57-73, April 2014* http://www.sciencedirect.com/science/article/pii/S1077314214000101

[J6].   D. Arabadjis, F. Giannopoulos, C. Papaodysseus, S. Zannos, P. Rousopoulos, M. Panagopoulos, C. Blackwell, "New mathematical and algorithmic schemes for pattern classification with application to the identification of writers of important ancient documents", *Pattern Recognition*, *Volume 46, Issue 8, Pages 2278-2296, 2013*. http://www.sciencedirect.com/science/article/pii/S0031320313000563

[J7].   C. Papaodysseus, D. Arabadjis, M. Exarchos, P. Rousopoulos, S. Zannos, M. Panagopoulos, L. Papazoglou-Manioudaki, "Efficient solution to the 3D problem of automatic wall paintings reassembly", *Computers and Mathematics with Applications, Volume 64, Issue 8, Pages 2712-2734, 2012* http://www.sciencedirect.com/science/article/pii/S0898122112005147

[J8].   Dimitris Arabadjis, Panayiotis Rousopoulos, Constantin Papaodysseus, Michalis Exarhos, Michail Panagopoulos, *Member IEEE*, and Lena Papazoglou-Manioudaki, "Optimization in Differentiable Manifolds in Order to Determine the Method of Construction of Prehistoric Wall-Paintings", *IEEE Transactions on Pattern Analysis and Machine Intelligence*, *Volume 33, Issue 11, Page(s): 2229-2244, November, 2011* [Impact Factor: 4,378 (ISI Web of Knowledge)] http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=5740922

[J9].   P. Rousopoulos, C. Papaodysseus, D.Arabadjis, M. Exarhos, M. Panagopoulos, "Reconstruction of c.1650 B.C. Fragmented Wall Paintings by Exploitation of the Thematic Content", *International Journal of Imaging and Robotics*, *5- (11), pp. 1-7, 2011* http://ceser.in/ceserp/index.php/iji/article/view/1096

[J10].   Roussopoulos P., Papaodysseus C., Arabadjis D., Exarhos M., and Panagopoulos M., "Image and pattern analysis for the determination of the method of drawing celebrated thera wall-paintings circa 1650 B.C." *ACM, Journal on Computing and Cultural Heritage, Vol. 3, Issue 2, p.p. 1-21,Sep. 2010* http://portal.acm.org/citation.cfm?id=1841318

[J11].   D. Arabadjis, C. Papaodysseus, P. Rousopoulos, M. Panagopoulos "On The Mathematical Formulation Of The Problem Of Reassembling Fragmented Objects: Two New Theorems", *Journal of Applied Mathematics and Computing (Springer)*, *Volume 34, Numbers 1-2, 81-100, 2010* http://www.springerlink.com/content/75mq4q8734719387/

[J12].   M. Panagopoulos, C. Papaodysseus, P. Roussopoulos, D. Dafi, S. Tracy "Automatic writer identification of ancient Greek inscriptions" *IEEE Transactions on Pattern Analysis and Machine Intelligence*, *Volume 31, Issue 8, Page(s): 1404-1414, August, 2009* [Impact Factor: 4,378 (ISI Web of Knowledge)] http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=4586391

[J13].   Arabadjis D, Rousopoulos P, Papaodysseus C, Panagopoulos M, Loumou P, Theodoropoulos G, "A General Methodology for the Determination of 2D Bodies Elastic Deformation Invariants. Application to the Automatic Identification of Parasites", *IEEE Transactions on Pattern Analysis and Machine Intelligence*, *Volume 32, Issue 5, Page(s): 799-814, May, 2009* [Impact Factor: 4,378 (ISI Web of Knowledge)] http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=4815258&tag=1

[J14].   C. Papaodysseus, M. Exarhos, M. Panagopoulos, P. Roussopoulos, C. Triantafillou, Th. Panagopoulos "Image and Pattern Analysis for 1650 B.C.Wall Paintings Study And Reconstruction", *IEEE Transactions on*

Systems Man and Cybernetics, *Part A: Systems and Humans, Volume: 38, Issue: 4, July 2008* [Impact Factor: 2,03 (ISI Web of Knowledge)] http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=4544885

[J15]. C. Papaodysseus., M. Panagopoulos, P. Rousopoulos, G. Galanopoulos & C. Doumas "Geometric templates used in the Akrotiri (Thera) wall-paintings" *Antiquity, Volume 82, Number 316, Page 401-408*, *2008* [Impact Factor: 1,065 (ISI Web of Knowledge)] http://antiquity.ac.uk/ant/082/ant0820401.htm

[J16]. St. Tracy, C. Papaodysseus, P. Rousopoulos, M. Panagopoulos, D. Fragoulis, D.Dafi, Th. Panagopoulos. "Identifying Hands on Ancient Athenian Inscriptions: First Steps towards a Digital Approach". *Archaeometry Vol. 49 Issue 4 Page 749 November 2007* [Impact Factor: 1,355 (ISI Web of Knowledge)] http://onlinelibrary.wiley.com/doi/10.1111/j.1475-4754.2007.00333.x/abstract

[J17]. C. Papaodysseus, D. K. Fragoulis, M. Panagopoulos, T. Panagopoulos, P. Rousopoulos, M. Exarhos, and A. Skembris "Determination of the Method of Construction of 1650 B.C. Wall Paintings", *IEEE Transactions on Pattern Analysis and Machine Intelligence*, *Vol. 28, NO. 9, September 2006* [Impact Factor: 4,378 (ISI Web of Knowledge)] http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=1661540&tag=1

[J18]. D. Fragoulis., A. Skembris., C. Papaodysseus., P. Rousopoulos. , Th. Panagopoulos., M. Panagopoulos., C. Triantafyllou. , A. Vlachopoulos And C. Doumas "Origins and Application of Geometry in the Thera Prehistoric Civilization Ca. 1650 BC", *Centaurus* 2005: *VOL. 47: PP. 316–340* http://onlinelibrary.wiley.com/doi/10.1111/j.1600-0498.2005.00029.x/abstract

[J19]. D. Fragoulis, M. Exarhos., C. Papaodysseus., A. Skembris, P. Roussopoulos, M. Panagopoulos, G. Roussopoulos, Th. Panagopoulos, "A General Methodology for Timbre Determination and Identification with Application to Sax – Flute", *WSEAS Transactions on Acoustics and Music*, Issue 1, *Vol.2, ISSN: 1109-9577, pp. 38-42, January 2005*

Conferences

[C1] Sofia Vlachou, Michail Panagopoulos, "Studying the Instagram over-popularity of Frida Kahlo and Vincent van Gogh artworks", *3rd Digital Culture and AudioVisual Chalenges International Conference, Corfu 2021*

[C2] Fotios Giannopoulos, Dimitris Arabadjis, Kyveli Kampouri, Panagiota Tsakalidou,Constantin Papaodysseus, Michail Panagopoulos, "A Novel Approach and the Related Information System for the Identification of the Writer of Historical Documents", In: *Koui M., Zezza F., Kouis D. (eds) 10th International Symposium on the Conservation of Monuments in the Mediterranean Basin. MONUBASIN 2017. Springer, Cham*

[C3] Panagiota Tsakalidou,Dimitris Arabadjis,Constantin Papaodysseus, Michalis Exarhos Panayiotis Rousopoulos, Fotios Giannopoulos, Evangelos Fotopoulos, Michail Panagopoulos, "Advanced Geometric Guides Were Used for the Drawing of Celebrated Late Bronze Age Wall Paintings", In: *Koui M., Zezza F., Kouis D. (eds) 10th International Symposium on the Conservation of Monuments in the Mediterranean Basin. MONUBASIN 2017. Springer, Cham*

[C4] Michail Panagopoulos and Constantine Kotropoulos, "Image tagging using tensor decomposition", *International Conference on Information, Intelligence, Systems and Applications (IISA 2015), Corfu, Greece, July 6-8, 2015*.

[C5] Michail Panagopoulos, Dimitris Arabadjis, Panayiotis Rousopoulos, Michalis Exarhos, Constantin Papaodysseus, "Identifying patterns on prehistoric wall paintings: A new curve fitting approach", *43rd Conference in Computer Applications and Quantitative Methods in Archaeology, Sienna, Italy, 2015.*

[C6] M. Panagopoulos, P. Rousopoulos, D. Arabadjis, M. Exarhos, and C. Papaodysseus, "Methods and Algorithms for the Automatic Identification of Writer of Ancient Documents", in Proceedings of the *1st Conference on Computer Applications and Quantitative Methods in Archaeology Greek Chapter (CAA-GR), Rethymno, Crete, 2014.*

[C7] D. Arabadjis, C. Papaodysseus, S. Zannos, F. Giannopoulos, E. Kalfa, P. Rousopoulos, M. Panagopoulos, C. Blackwell, "A new approach for the identification of writers of important ancient documents", *IEEE Proceedings of DSP 2013, Santorini, 2013* http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=6622801&tag=1

[C8] P. Rousopoulos, M. Panagopoulos, C. Papaodysseus, F. Panopoulou, D. Arabadjis, S. Tracy, F. Giannopoulos, S. Zannos, "A New Approach For Ancient Inscriptions' Writer Identification", *IEEE Proceedings of DSP 2011, Corfu, 2011* http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=6004966

[C9] Constantin Papaodysseus, Panayiotis Rousopoulos, Dimitris Arabadjis, Fivi Panopoulou , Michalis Panagopoulos, "Handwriting Automatic Classification: Application to Ancient Greek Inscriptions", IEEE 2010

International Conference on Autonomous and Intelligent Systems, AIS 2010 , art. no. 5547045
http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=5547045

[C10] M. Panagopoulos, P. Roussopoulos, D. Arabadjis, C. Papaodysseus, "Information system for graphological identification", *IEEE Society Proceedings of Panhellenic Conference on Informatics*, *Corfu 2009*, http://www.computer.org/portal/web/csdl/doi/10.1109/PCI.2009.23

[C11] Panayiotis Rousopoulos, Dimitris Arabadjis, Michalis Panagopoulos, Constantin Papaodysseus, Elena Papazoglou, "Determination of the Method of Drawing of Prehistoric Wall-Paintings via Original Methods of Pattern Recognition and Image Analysis", *IEEE International Conference on Image Processing*, *Cairo, Egypt*, *2009* http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=5413987

[C12] M. Panagopoulos, P. Roussopoulos, C. Papaodysseus, D. Arabadjis, G. Galanopoulos and St. Tracy «An information system for graphological identification of writers of ancient Greek inscriptions» *5ο Συμπόσιο Αρχαιομετρίας της Ελληνικής Αρχαιομετρικής Εταιρείας, Αθήνα, Οκτώβριος 2008*

[C13] D. Arabadjis, P. Rousopoulos, C. Papaodysseus, M. Panagopoulos, P. Loumou, G. Theodoropoulos «Determination of the Mechanoelastic Properties of Parasites via Analysis of their Microscopic Images» *IEEE International Conference on Bioinformatics and Bioengineering*, *Athens, October 2008*, http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=4696804

[C14] C. Papaodysseus, D. Arabadjis, M. Panagopoulos, P. Rousopoulos, M. Exarhos and E. Papazoglou «Automated Reconstruction of Fragmented Objects Using Their 3D Representation - Application to Important Archaeological Finds» *IEEE 9th International Conference on Signal Processing (ICSP'08)*, *Beijing, October 2008*, http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=5413987

[C15] Κ. Παπαοδυσσεύς, Π. Ρουσόπουλος, Μ. Παναγόπουλος, Γ. Γαλανόπουλος, Δ. Φραγκούλης, Θ. Παναγόπουλος, Κ. Τριανταφύλλου «Εφαρμογή Προηγμένων Μεθόδων Επεξεργασίας Εικόνας, Αναγνώρισης Προτύπων και Πληροφορικής σε Αρχαιολογικά Ευρήματα», *Ημερίδα 'Οι Νέες Τεχνολογίες στα Μουσεία' Ελληνική Ομοσπονδία Σωματείων Φίλων των Μουσείων, Αθήνα, Ιούνιος 2007*

[C16] Κ. Παπαοδυσσεύς, Μ. Παναγόπουλος, Π. Ρουσόπουλος, «Ανάπτυξη Μεθόδων Ψηφιακής Επεξεργασίας Εικόνων και Αναγνώρισης Προτύπων και Εφαρμογής τους σε Αρχαιολογικά Ευρήματα» *Ημερίδα 'Οι Νέες Τεχνολογίες στις Αρχαιογνωστικές Επιστήμες', Ρόδος, Οκτώβριος 2006*

[C17] Κ. Παπαοδυσσεύς, Αθ. Παναγόπουλος, Γ. Ρουσόπουλος, Δ. Φραγκούλης, Μ. Παναγόπουλος, Α. Σκέμπρης, Π. Ρουσόπουλος, Γ. Γαλανόπουλος «Προηγμένα Γεωμετρικά Πρότυπα στις Τοιχογραφίες του Προϊστορικού Οικισμού Ακρωτηρίου Σαντορίνης», *2ο Διεθνές Συνέδριο Αρχαίας Ελληνικής Τεχνολογίας ΤΕΕ, Οκτώβριος 2005*

[C18] D. Fragoulis, M. Exarhos, C. Papaodysseus, A. Skembris, P. Roussopoulos, M. Panagopoulos, and G. Roussopoulos, "Determination and Automated Classification of Sax–Flute Timbre," *in 6th WSEAS Int.Conf.on Acoustics and Music: Theory and Applications (AMTA '05), 2005*

Selected Citations

J5

1. Cilia, N. D., C. De Stefano, F. Fontanella, C. Marrocco, M. Molinara, and A. Scotto Di Freca. "An End-to-End Deep Learning System for Medieval Writer Identification." *Pattern Recognition Letters 129* (January 1, 2020): 137–43. https://doi.org/10.1016/j.patrec.2019.11.025.

2. Cilia, Nicole D., Claudio De Stefano, Francesco Fontanella, Mario Molinara, and Alessandra Scotto di Freca. "What Is the Minimum Training Data Size to Reliably Identify Writers in Medieval Manuscripts?" *Pattern Recognition Letters 129* (January 1, 2020): 198–204. https://doi.org/10.1016/j.patrec.2019.11.030.

3. Cilia, Nicole Dalia, Claudio De Stefano, Francesco Fontanella, Claudio Marrocco, Mario Molinara, and Alessandra Scotto di Freca. "An Experimental Comparison between Deep Learning and Classical Machine Learning Approaches for Writer Identification in Medieval Documents." *Journal of Imaging 6, no. 9* (September 2020): 89. https://doi.org/10.3390/jimaging6090089.

4. De Stefano, C., M. Maniaci, F. Fontanella, and A. Scotto di Freca. "Reliable Writer Identification in Medieval Manuscripts through Page Layout Features: The 'Avila' Bible Case." *Engineering Applications of Artificial Intelligence 72* (June 1, 2018): 99–110. https://doi.org/10.1016/j.engappai.2018.03.023.

5. Haliassos, Alexandros, Panagiotis Barmpoutis, Tania Stathaki, Stephen Quirke, and Anthony Constantinides. "Classification and Detection of Symbols in Ancient Papyri." *In Visual Computing for Cultural Heritage*, edited by Fotis Liarokapis, Athanasios Voulodimos, Nikolaos Doulamis, and Anastasios Doulamis, 121–40. *Springer Series on Cultural Computing*. Cham: Springer International Publishing, 2020. https://doi.org/10.1007/978-3-030-37191-3_7.

6. Matsumoto, Mallory E. "Archaeology and Epigraphy in the Digital Era." *Journal of Archaeological Research 30, no. 2 (June 1, 2022): 285–320*. https://doi.org/10.1007/s10814-021-09162-4.

7. Popović, Mladen, Maruf A. Dhali, and Lambert Schomaker. "Artificial Intelligence Based Writer Identification Generates New Evidence for the Unknown Scribes of the Dead Sea Scrolls Exemplified by the Great Isaiah Scroll (1QIsaa)." *ArXiv:2010.14476 [Cs], October 27, 2020.* http://arxiv.org/abs/2010.14476.

8. Shin, Jungpil, Md Maniruzzaman, Yuta Uchida, Md Al Mehedi Hasan, Akiko Megumi, Akiko Suzuki, and Akira Yasumura. "Important Features Selection and Classification of Adult and Child from Handwriting Using Machine Learning Methods." *Applied Sciences 12, no. 10 (January 2022): 5256*. https://doi.org/10.3390/app12105256.

9. V. Aubin, M. Mora, and M. Santos-Peñas, "Off-line writer verification based on simple graphemes," *Pattern Recognition, vol. 79, pp. 414–426, Jul. 2018.*

10. S. He, P. Samara, J. Burgers, and L. Schomaker, "Image-based historical manuscript dating using contour and stroke fragments," *Pattern Recognition, vol. 58, pp. 159–171, Oct. 2016.*

11. B. Sober and D. Levin, "Computer Aided Restoration of Handwritten Character Strokes," *arXiv:1602.07038 [cs, math], Feb. 2016.*

12. S. He, P. Samara, J. Burgers, and L. Schomaker, "Historical manuscript dating based on temporal pattern codebook," *Computer Vision and Image Understanding, vol. 152, pp. 167–175, Nov. 2016.*

13. Aswatha, S.M., Talla, A.N., Mukhopadhyay, J., Bhowmick, P., "A Method for Extracting Text from Stone Inscriptions Using Character Spotting", *in: Jawahar, C.V., Shan, S. (Eds.), Computer Vision - ACCV 2014 Workshops, Lecture Notes in Computer Science. Springer International Publishing, pp. 598–611, 2014*

J6

14. Aubin, Verónica, Matilde Santos, and Marco Mora. "Off-Line Writer Verification Using Segments of Handwritten Samples and SVM*." In 13th International Conference on Computational Intelligence in Security for Information Systems (CISIS 2020),* edited by Álvaro Herrero, Carlos Cambra, Daniel Urda, Javier Sedano, Héctor Quintián, and Emilio Corchado, 57–65. *Advances in Intelligent Systems and Computing*. Cham: Springer International Publishing, 2021. https://doi.org/10.1007/978-3-030-57805-3_6.

15. Chahi, Abderrazak, Youssef El merabet, Yassine Ruichek, and Raja Touahni. "Cross Multi-Scale Locally Encoded Gradient Patterns for off-Line Text-Independent Writer Identification*." Engineering Applications of Artificial Intelligence 89 (March 1, 2020)*: 103459. https://doi.org/10.1016/j.engappai.2019.103459.

16. Abderrazak Chahi, Youssef El merabet, Yassine Ruichek, Raja Touahni "Local Gradient Full-Scale Transform Patterns Based off-Line Text-Independent Writer Identification." *Applied Soft Computing 92 (July 1, 2020)*: 106277.

17. Y. Hannad, I. Siddiqi, C. Djeddi, and M. E.-Y. El-Kettani, "Improving Arabic writer identification using score-level fusion of textural descriptors," *IET Biometrics, vol. 8, no. 3, pp. 221–229, Jan. 2019.*

18. A. Chahi, Y. El merabet, Y. Ruichek, and R. Touahni, "An effective and conceptually simple feature representation for off-line text-independent writer identification," *Expert Systems with Applications, vol. 123, pp. 357–376, Jun. 2019.*

19. P. Singh, P. P. Roy, and B. Raman, "Writer identification using texture features: A comparative study," *Computers & Electrical Engineering, vol. 71, pp. 1–12, Oct. 2018.*

20. A. Chahi, I. El khadiri, Y. El merabet, Y. Ruichek, and R. Touahni, "Block wise local binary count for off-Line text-independent writer identification," *Expert Systems with Applications, vol. 93, pp. 1–14, Mar. 2018.*

21. Hannad, Y., Siddiqi, I., El Kettani, M.E.Y., "Writer identification using texture descriptors of handwritten fragments", *Expert Systems with Applications 47, 14–22. doi:10.1016/j.eswa.2015.11.002, 2016*

J7

22. Jo, Young Hoon, Seonghyuk Hong, Seong Yeon Jo, and Yoon Mi Kwon. "Noncontact Restoration of Missing Parts of Stone Buddha Statue Based on Three-Dimensional Virtual Modeling and Assembly

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REVIEWER IN INTERNATIONAL JOURNALS

- Journal of Engineering Technology Innovation
- Journal of Archaeological Science
- Journal of Electronic Imaging
- Optical Engineering
- Pattern Recognition
- Transactions on Pattern Analysis and Machine Intelligence
- Journal of Knowledge and Information Systems
- Heritage, MDPI
- Future Internet, MDPI
- Machines, MDPI
- Electronics, MDPI

REVIEWER IN INTERNATIONAL CONFERENCES

- Computer Applications and Quantitative Methods in Archaeology (CAA) Conference

- ICCCT: International Conference on Computer and Communication Technology
- EETN Conference on Artificial Intelligence (SETN)
- International Virtual Conference on Visual Pattern Extraction and Recognition for Cultural Heritage Understanding (VIPERC)
- EUTIC Conference

SCIENTIFIC BOOKS REVIEW

- ΨΗΦΙΑΚΗ ΣΧΕΔΙΑΣΗ Δ΄ΕΚΔΟΣΗ, Morris Mano, Εκδόσεις Παπασωτηρίου, 2009

  Scientific review of the Greek edition of the book "DIGITAL DESIGN", M. Morris Mano, Michael D. Ciletti, 4th Edition, Prentice Hall
- ΨΗΦΙΑΚΗ ΣΧΕΔΙΑΣΗ Ε΄ΕΚΔΟΣΗ, Morris Mano, Michael Ciletti, Εκδόσεις Παπασωτηρίου, 2013

  Scientific review of the Greek edition of the book "DIGITAL DESIGN", M. Morris Mano, Michael D. Ciletti, 5th Edition, Prentice Hall

BOOK CHAPTERS

1) Chapter title: "Chapter 7: Automatic Identification of the Writer of Ancient Greek Inscriptions, Employing Methods of Computer Engineering and Mathematics", Constantin Papaodysseus, Michail Panagopoulos, Panayotis Rousopoulos, Dimitris Arabadjis, Fivi Panopoulou, Solomon Zannos, Fotios Giannopoulos, Steven Tracy, Book: "Pattern Recognition and Signal Processing in Archaeometry: Mathematical and Computational Solutions for Archaeology", IGI Global - Hershey, PA, USA, 2012

2) Chapter title: "Chapter 3: A Digital Investigation Manifesting use of Geometric Stencils for the Drawing of Akrotiri Thera Prehistoric Wall Paintings", Panayotis Rousopoulos, Dimitris Arabadjis, Mihalis Exarhos, Michail Panagopoulos, Georgios Galanopoulos, Afroditi Pantazi, Constantin Papaodysseus, Book: "Pattern Recognition and Signal Processing in Archaeometry: Mathematical and Computational Solutions for Archaeology", IGI Global - Hershey, PA, USA, 2012

3) Chapter title: «Chapter XXIII: Automatic Identification and Elastic Properties of Deformed Objects Using their Microscopic Images», τίτλος βιβλίου: «Handbook of Research on Advanced Techniques in Diagnostic Imaging and Biomedical Applications», εκδότης : «Medical Information Science Reference », 2009, συγγραφείς: C. Papaodysseus, P. Roussopoulos, D. Arabadjis, M. Panagopoulos, P. Loumou, G. Theodoropoulos.

WORKSHOPS

Participation at Dagstuhl Perspectives Workshop: "Computation and Paleography: Potentials and Limits", *Dagstuhl 18-21/9/2012*, http://drops.dagstuhl.de/opus/volltexte/2013/3890/

CONFERENCE ORGANAZATION

- International Conference on "Digital Culture & AudioVisual Challenges - Interdisciplinary Creativity in Arts and Technology" (DCAC 2021), Corfu, May 2022, https://avarts.ionio.gr/dcac/ – Πρόεδρος του συνεδρίου
- International Conference on "Digital Culture & AudioVisual Challenges - Interdisciplinary Creativity in Arts and Technology" (DCAC 2021), Corfu, May 2021, https://avarts.ionio.gr/dcac/ – Πρόεδρος του συνεδρίου
- International Conference on "Digital Culture & AudioVisual Challenges - Interdisciplinary Creativity in Arts and Technology" (DCAC 2019), Corfu, May 2019, https://avarts.ionio.gr/dcac/ – Πρόεδρος του συνεδρίου

- International Conference on "Digital Culture & AudioVisual Challenges - Interdisciplinary Creativity in Arts and Technology" (DCAC 2018), Corfu, June 2018, https://avarts.ionio.gr/dcac/ – Πρόεδρος του συνεδρίου
- Interdisciplinary Conference on "TABOO - TRANSGRESSION – TRANSCENDENCE in Art & Science", Corfu, May 2017, https://avarts.ionio.gr/ttt/2017/gr/, - Μέλος της οργανωτικής επιτροπής
- 17th International Conference on "Digital Signal Processing", Corfu, July 2011, https://conferences.ionio.gr/dsp2011/ - Μέλος της οργανωτικής επιτροπής

ADMINISTRATION

- President of the 2nd International Conference on Digital Culture & Audiovisual Challenges 2019
- President of the 1st International Conference on Digital Culture & Audiovisual Challenges 2018
- Member of the Internship Committee of the Department of Audio and Visual Arts
- Member of the Coordination Committee of the Postgraduate Program "Audiovisual Arts at the Digital Era" http://avarts.ionio.gr/ada/studies/committees/
- President of the Ionian University Faculty Members Union (2016-2017)
- General Secretary of the Ionian University Faculty Members Union (2015-2016)

SCHOLARSHIPS – GRANTS

- ICCS (Institute of Communication and Computing Systems) Scholarship, years 2005-2008.
- John S. Latsis Public Benefit Foundation Grant for the original research project «Writer identification of ancient Greek inscriptions» (chosen, along with other 12, amongst 713 proposals).

LABORATORIES

- Organization of lab exercises for Microprocessors (I.E.K. Kalamakiou).
- Lab exercises for *Computer Application Development* Laboratory (School of Naval Architecture and Marine Engineering, NTUA)
- Lab exercises for *Introduction to Computer Science II* and *Introduction to Programming I* laboratories (Department of Audiovisual Arts, Ionian University).

MILITARY SERVICE

Completed: *February 2003 – February 2004*
ΚΕΤΘ, 95 ΤΥΛΠΕΘ (Rhodes), ΚΕΥΠ (Lamia), ΕΠΥΕΘΑ (Athens)

MEMBERSHIPS

- Member of Technical Chamber of Greece (Membership Number: 97312)
- Member of *IEEE* (*Institute of Electrical and Electronics Engineers*) Membership Number: 90740914
- Member of *IEEE Computational Intelligence Society*
- Member of *IEEE Computer Society*

OTHER QUALIFICATIONS

- *Foreign Languages*: English (fluent), French (fluent).
- Water Polo Greek National Junior Champion, Vouliagmeni Nautical Club
- Car and Motorcycle Driving License
- Scuba Diving License
- Athens Classic Marathon finisher (2012)

SEMINARS

- Free University – Dimitri Nanopoulos: "Ten lesson on Cosmology"
- Free University – Marina Labraki Plaka: "History of Art"
- Free University – Vasilis Lambrinoudakis: "Museums"

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