

CURRICULUM VITAE

Paraskevi Raftopoulou, Ph.D.

1 CONTACT INFORMATION



Position: Laboratory Teaching Staff
Department of Informatics and Telecommunications

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2 RESEARCH INTERESTS

Data Management, Retrieval and Privacy

information retrieval, filtering and recommender systems
database systems (relational, NoSQL, graph)
data cleaning, normalization and transformation
knowledge graphs and semantic technologies
personal information management and user profiling
anonymization and privacy-preserving data management

Data Science, ML and Visual Analytics

big data processing architectures and frameworks
data stream analytics
knowledge discovery and machine learning
explainable and trustworthy AI/ML
information visualization and visual analytics for decision support
research analytics and bibliometric indicators

Distributed Systems and Web Intelligence

distributed data infrastructures (cloud, edge computing)
distributed databases and scalable data platforms
multi-agent systems and coordination mechanisms
social network analysis and web-scale data mining
domain-specific data schemas (e.g., transportation, agriculture)
digital library architectures and content preservation

3 EDUCATION

December 2009

Ph.D.

*Department of Electronic and Computer Engineering,
Technical University of Crete, Greece*

Thesis: "Rewiring Peer Connections over Semantic Overlay Networks"

| Supervisor: Prof. Euripides **Petrakis**

June 2003	M.Eng. <i>Department of Electronic and Computer Engineering,</i> <i>Technical University of Crete, Greece</i> Thesis: “Fair Resource Allocation in P2P Systems: Theoretical and Experimental Results” Supervisor: Prof. Manolis Koubarakis
October 2000	B.Sc. with GPA 7.82 out of 10 <i>Computer Science Department,</i> <i>University of Crete, Greece</i> Thesis: “Design and Implementation of a Project Management System using Relational Databases” Supervisor: Prof. Dimitris Plexousakis

4 WORK / RESEARCH EXPERIENCE

4.1 Work Experience

<i>July 2013</i> – <i>present</i>	Laboratory Teaching Staff <i>University of the Peloponnese</i> Laboratory Teaching Staff at the Department of Informatics and Telecommunications, University of the Peloponnese.
<i>August 2008</i> – <i>June 2013</i>	Laboratory Teaching Staff <i>University of the Peloponnese</i> Laboratory Teaching Staff at the Department of Computer Science and Technology, University of the Peloponnese.
<i>September 2025</i> – <i>present</i>	Lecturer <i>MSc in Computer Science</i> Lecturer in the Postgraduate Studies Program “Computer Science”, offered by the Department of Informatics and Telecommunications, University of the Peloponnese.
<i>September 2023</i> – <i>September 2025</i>	Lecturer <i>MSc in Data Science</i> Lecturer in the inter-institutional Postgraduate Studies Program “Data Science”, jointly offered by N.C.S.R. “Demokritos” and the Department of Informatics and Telecommunications, University of the Peloponnese.
<i>September 2018</i> – <i>February 2020</i>	Lecturer <i>MSc in Computer Science</i> Lecturer in the Postgraduate Studies Program “Computer Science”, offered by the Department of Informatics and Telecommunications, University of the Peloponnese.
<i>September 2011</i> – <i>February 2012</i>	Lecturer <i>MSc in Computer Science</i> Lecturer in the Postgraduate Studies Program “Computer Science”, offered by the Department of Informatics and Telecommunications, University of the Peloponnese.
<i>June 2011</i> – <i>present</i>	External Evaluator / Expert <i>European Commission</i> External evaluator of research proposals for the European Commission under the H2020 and FP7 ICT FET-Open calls.

August 2008 – present	Research Laboratory Member <i>University of the Peloponnese</i> Member of the Software Systems and Databases Laboratory (SoDa Lab), University of the Peloponnese.
October 2007 – July 2008	Visiting Researcher <i>Max-Planck Institute for Informatics</i> Visiting researcher at the Databases and Information Systems department of the Max-Planck Institute for Informatics. supervisor: Prof. G. Weikum
September 2000 – September 2007	Laboratory Assistant and Research Associate <i>Technical University of Crete</i> Laboratory assistant at the School of Electrical and Computer Engineering, Technical University of Crete, and research associate at the Programming and Intelligent Systems Technology Laboratory (Intelligent Systems Lab), Technical University of Crete. supervisor: Prof. M. Koubarakis

4.2 Research Programs

October 2026 – present	Principal Investigator Project: GREENSTART “Green Startups for Bioeconomy and Higher Education”. Funded by Cooperation partnerships in higher education (KA220-HED).
June 2025 – present	Research Project Team Member Project: ORAMA “Integrated Interactive Computer Vision Platform for Executing and Remotely Monitoring Digital Exercises for the Prevention and Enhancement of Physical Fitness and Health”. Funded by the Partnership Agreement (PA) 2021–2027, with the contribution of significant resources originating from the European Structural and Investment Funds (ESIF) of the European Union. More information about the project is available at https://orama.arkas.uop.gr/en/.
May 2025 – November 2025	Principal Investigator Project: PROVATO “Precision livestock monitoring with AI and IoT tools”. Funded by EU under Horizon Europe, selected in the AGRARIAN 1st Open Call. More information about the project is available at agrarian-project.eu.
May 2021 – November 2024	Research Project Team Member Project: SodaSense “Advanced big data management with applications in travel, climate and agriculture”. Funded by the Peloponnese Prefecture in Greece under the Partnership Agreement (PA) 2021–2027. More information about the project is available at: https://sodasense.uop.gr.
September 2021 – November 2023	Research Project Team Member Project: REHABOTICS “Integrated Rehabilitation System for People with Motor Disabilities”. Funded by the Competitiveness, Entrepreneurship and Innovation Operational Programme 2014–2020 (EPAnEK). More information about the project is available at: https://rehabotics.eu/en/home-en/.

March 2021 – September 2023	Research Project Team Member Project: ENIRISST+ “Intelligent Research Infrastructure for Shipping, Supply Chain, Transport and Logistics Plus”. Funded by the Competitiveness, Entrepreneurship and Innovation Operational Programme 2014–2020 (EPAnEK). More information about the project is available at: https://enirisst-plus.gr.
October 2019 – March 2023	Research Project Team Member Project: FORESIGHT “Advanced cyber-security simulation platform for preparedness training in Aviation, Power-grid and Naval environments”. Funded by the H2020 - Research and Innovation Action 2019–2022. More information about the project is available at: https://foresight-h2020.eu.
June 2019 – February 2022	Research Project Team Member Project: ENIRISST “Intelligent Research Infrastructure for Shipping, Supply Chain, Transport and Logistics”. Funded by the Competitiveness, Entrepreneurship and Innovation Operational Programme 2014–2020 (EPAnEK). More information about the project is available at: https://www.enirisst.gr.
January 2013 – December 2013	Research Associate Project: QAU “Quality Assurance Unit of the University of the Peloponnese”. Funded by the Ministry of Education, Operational Programme for Education and Initial Vocational Training, Greece. More information about the project is available at: www.espa.gr
June 2006 – September 2006	Research Project Team Member Project: EVERGROW “ever-growing, global, scale-free networks, their provisioning, repair and unique functions”. Funded by the 6th EU Framework Programme IST/FET. More information about the project is available at: www.evergrow.org.
March 2004 – December 2005	Research Project Team Member Project: BIOPATTERN Funded by the 6th EU Framework Programme IST/FET. More information about the project is available at: www.biopattern.org.
November 2002 – November 2006	Principal Investigator Project: Heraclitus “Research Fellowships with a Focus on Basic Research”. Funded by the Greek Ministry of Education under the EPAEK II program. More information about the project is available at: www.epeaek.gr.
July 2000 – June 2003	Research Project Team Member Project: DIET “Decentralised Information Ecosystem Technologies”. Funded by the 5th EU Framework Programme IST/FET. More information about the project is available at: http://www.dfki.uni-kl.de/DIET/public/index.html .

4.3 Positions of Responsibility

October 2026 – present	Principal Investigator Project: GREENSTART Responsible for the management, scientific, and administrative oversight of the GREENSTART research and development project, with a total budget of €50,000 allocated to the University of the Peloponnese.
May 2025 – November 2025	Principal Investigator Project: PROVATO Responsible for the management, scientific, and administrative oversight of the PROVATO research and development project, with a total budget of €50,000 allocated to the University of the Peloponnese.
HDMS 2027	General Chair Responsible for organizing and overseeing the ACM Hellenic Data Management Symposium (HDMS) 2027, supported by the Hellenic ACM SIGMOD Chapter.
October 2019 – present	Publicity and Outreach Coordinator Responsible for planning, coordinating, and implementing outreach activities for the Department of Informatics and Telecommunications and/or the School of Economics and Technology at the University of the Peloponnese. These activities include, among others, the Freshers' Welcome, Career Day, "Experience a Day as a University Student," and Science and Technology Month: Open Lectures.
October 2018 – September 2025	Representative of the Laboratory Teaching Staff Elected representative of the Laboratory Teaching Staff at the General Assembly of the Department of Informatics and Telecommunications, University of the Peloponnese, participating in decision-making processes on academic and administrative matters.
August 2008 – present	Member of Administrative Committees Member of various committees (e.g., Equipment Acceptance and Tender Evaluation Committees), undertaking responsibilities related to administrative support and ensuring the smooth operation of the Department of Informatics and Telecommunications and the University of the Peloponnese.
July 2000 – present	Member of Research Teams in R&D Projects Coordination, research, and development activities across work packages in 12 national and European research projects.

5 PUBLICATIONS

5.1 Publications in Journals and Magazines

- [9] Kimon Deligiannis, Christos Tryfonopoulos, **Paraskevi Raftopoulou**, Costas Vassilakis, Vassilis Kaffes, and Spiros Skiadopoulos. "A Machine Learning Framework for Harvesting and Harmonizing Cultural and Touristic Data". In: *Information* 16.12 (2025).
- [8] Akrivi Katifori, Angeliki Antoniou, Areti Damala, and **Paraskevi Raftopoulou**. "Editorial for the Special Issue Advanced Technologies in Digitizing Cultural Heritage Volume II". In: *Applied Sciences* 15.12 (2025).
- [7] Fotios K. Anagnostopoulos, Spyros Rigas, Michalis Papachristou, Ioannis Chaniotis, Ioannis Anastasiou, Christos Tryfonopoulos, and **Paraskevi Raftopoulou**. "A novel AI framework for PM Pollution Prediction applied to a Greek port city". In: *Atmosphere* 14.9 (2023).
- [6] Akrivi Katifori, Angeliki Antoniou, Areti Damala, and **Paraskevi Raftopoulou**. "Editorial for the Special Issue Advanced Technologies in Digitizing Cultural Heritage". In: *Applied Sciences* 10.13 (2023).

- [5] Kimon Deligiannis, **Paraskevi Raftopoulou**, Christos Tryfonopoulos, Nikos Platis, and Costas Vassilakis. “Hydria: An Online Data Lake for Multi-Faceted Analytics in the Cultural Heritage Domain”. In: *Big Data and Cognitive Computing* 4.2 (2020).
- [4] Christos Tryfonopoulos, Stratos Idreos, Manolis Koubarakis, and **Paraskevi Raftopoulou**. “Distributed Large-Scale Information Filtering”. In: *Transactions on Large-Scale Data- and Knowledge-Centered Systems (TLDKS)*, Springer 13 (2014), pp. 91–122.
- [3] **Paraskevi Raftopoulou**, Euripides G.M. Petrakis, and Christos Tryfonopoulos. “Rewiring Strategies for Semantic Overlay Networks”. In: *Distributed and Parallel Databases (DAPD)*, Springer 26.2-3 (2009), pp. 181–205.
- [2] Euripides Petrakis, Giannis Varelas, Angelos Hliaoutakis, and **Paraskevi Raftopoulou**. “X-Similarity: Computing Semantic Similarity between Concepts from Different Ontologies”. In: *Journal of Digital Information Management (JDIM)* (2006).
- [1] **Paraskevi Raftopoulou**, Manolis Koubarakis, Kostas Stergiou, and Peter Triantafillou. “Fair Resource Allocation in a Simple Multi-Agent Setting: Search Algorithms and Experimental Evaluation”. In: *International Journal on Artificial Intelligence Tools (IJAIT)* 6.14 (2005).

5.2 Publications in Conferences

- [16] Maria Karatsoli, Ioanna Pagoni, Kimon Deligiannis, Christos Tryfonopoulos, **Paraskevi Raftopoulou**, and Amalia Polydoropoulou. “Mobility in the Feed: Assessing Facebook Communication and Public Engagement in European Cities”. In: *Proceedings of the 8th Conference on Sustainable Mobility (CSuM)*. Skyros, Greece, July 2026.
- [15] Maria Karatsoli, Ioanna Pagoni, Kimon Deligiannis, Stefanos Vlachos, Christos Tryfonopoulos, **Paraskevi Raftopoulou**, and Amalia Polydoropoulou. “Social Media Metrics for Urban Mobility: Insights from Twitter Engagement in European Cities”. In: *Proceedings of the 12th International Congress on Transportation Research (ICTR)*. Thessaloniki, Greece, Oct. 2025.
- [14] Kimon Deligiannis, Christos Tryfonopoulos, **Paraskevi Raftopoulou**, Nikos Platis, and Costas Vassilakis. “EnQuest: A Cloud Datalake Infrastructure for Heterogeneous Analytics in Maritime and Tourism Domains”. In: *Proceedings of the 12th International Conference on Data Science, Technology and Applications (DATA)*. Rome, Italy, July 2023.
- [13] George Fotopoulos, Paris Koloveas, **Paraskevi Raftopoulou**, and Christos Tryfonopoulos. “Comparing Data Store Performance for Full-Text Search: to SQL or to NoSQL?”. In: *Proceedings of the 12th International Conference on Data Science, Technology and Applications (DATA)*. Rome, Italy, July 2023.
- [12] **Paraskevi Raftopoulou**, Spiros Skiadopoulos, Christos Tryfonopoulos, and Costas Vassilakis. “SodaSense: An Intelligence Platform for Micro-Mobility, Micro-Climate and Agriculture”. In: *Proceedings of the 15th International Conference on Advanced Geographic Information Systems, Applications, and Services (GEOProcessing)*. Venice, Italy, Apr. 2023.
- [11] Stefanos Vlachos, Dimitris Linarakis, Nikos Platis, and **Paraskevi Raftopoulou**. “Exploring Instagram and Youtube Data to Extract User Insights: The Greek Paradigm”. In: *Communications in Computer and Information Science book series (CCIS)*, Springer 1860 (2023), pp. 90–113.
- [10] Fotios K. Anagnostopoulos, Spyros Rigas, Christos Tryfonopoulos, Michalis Papachristou, Ioannis Chaniotis, and **Paraskevi Raftopoulou**. “Towards a General Forecasting Framework for Particulate Matter within Urban Environments”. In: *Proceedings of the American Geophysical Union Conference (AGU)*. Chicago, USA, Dec. 2022.
- [9] Dimitris Linarakis, Stefanos Vlachos, and **Paraskevi Raftopoulou**. “From digital footprints to facts: Mining marketing policies of the Greek community on Instagram and Youtube”. In: *Proceedings of the 11th International Conference on Data Science, Technology and Applications (DATA)*. Lisbon, Portugal, July 2022.
- [8] Charis Kotsiopoulos, Ioannis Doudoumis, **Paraskevi Raftopoulou**, and Christos Tryfonopoulos. “DaST: An Online Platform for Automated Exercise Generation and Solving in the Data Science Domain”. In: *Proceedings of the 8th Computer Science Education Research Conference (CSERC)*. Larnaca, Cyprus, Nov. 2019, pp. 104–109.

- [7] Christos Tryfonopoulos, **Paraskevi Raftopoulou**, Vinay Setty, and Argiris Xiros. “Towards Content-Based Publish/Subscribe for Distributed Social Networks”. In: *Proceedings of the International Conference on Distributed Event-Based Systems (DEBS)*. Oslo, Norway, June 2015, pp. 340–343.
- [6] Dionisis Kontominas, **Paraskevi Raftopoulou**, Christos Tryfonopoulos, and Euripides G.M. Petrakis. “DS4: A Distributed Social and Semantic Search System”. In: *Proceedings of 35th European Conference on Information Retrieval (ECIR)*. Moscow, Russia, Mar. 2013, pp. 832–836.
- [5] **Paraskevi Raftopoulou**, Christos Tryfonopoulos, Euripides G.M. Petrakis, and Nikos Zevlis. “DS4: Introducing Semantic Friendship in Distributed Social Networks.” In: *Proceedings of the 21st International Conference on Cooperative Information Systems (CoopIS)*. Graz, Austria, Sept. 2013, pp. 185–203.
- [4] **Paraskevi Raftopoulou** and Euripides G.M. Petrakis. “Peer Rewiring in Semantic Overlay Networks”. In: *Proceedings of the 18th International Conference on Cooperative Information Systems (CoopIS)*. Crete, Greece, Oct. 2010.
- [3] **Paraskevi Raftopoulou** and Euripides Petrakis. “iCluster: a Self-Organizing Overlay Network for P2P Information Retrieval”. In: *Proceedings of 30th European Conference on Information Retrieval (ECIR)*. Glasgow, Scotland, 30 March - 3 April 2008.
- [2] **Paraskevi Raftopoulou**, Euripides G.M. Petrakis, Christos Tryfonopoulos, and Gerhard Weikum. “Information Retrieval and Filtering over Self-Organising Digital Libraries”. In: *Proceedings of the 12th European Conference on Research and Advanced Technology for Digital Libraries (ECDL)*. Aarhus, Denmark, Sept. 2008, pp. 320–333.
- [1] Manolis Koubarakis, Theodoros Koutris, Christos Tryfonopoulos, and **Paraskevi Raftopoulou**. “Information Alert in Distributed Digital Libraries: The Models, Languages, and Architecture of DIAS”. In: *Proceedings of the 6th European Conference on Research and Advanced Technology for Digital Libraries (ECDL)*. Rome, Italy, Sept. 2002, pp. 527–542.

5.3 Publications in Workshops

- [9] Sotiris Nikoletos, Stefanos Vlachos, Efstathios Zaragkas, Costas Vassilakis, Christos Tryfonopoulos, and **Paraskevi Raftopoulou**. “RoG: A Pipeline for Automated Sensitive Data Identification and Anonymisation”. In: *Proceedings of the 3rd International Workshop on Data Science for Cyber Security (DS4CS @ IEEE CSR)*. Venice, Italy, July 2023.
- [8] Sotirios Nikoletos and **Paraskevi Raftopoulou**. “Employing social network analysis to dark web communities”. In: *Proceedings of the 2nd International Workshop on Data Science for Cyber Security (DS4CS @ IEEE CSR)*. July 2022.
- [7] Sofia Alevizopoulou, Paris Koloveas, Christos Tryfonopoulos, and **Paraskevi Raftopoulou**. “Social Media Monitoring for IoT Cyber-Threats”. In: *Proceedings of the International Workshop on Data Science for Cyber Security (DS4CS @ IEEE CSR)*. Rhodes, Greece, July 2021.
- [6] Kimon Deligiannis, **Paraskevi Raftopoulou**, Christos Tryfonopoulos, and Costas Vassilakis. “A System for Collecting, Managing, Analyzing and Sharing Diverse, Multi-faceted Cultural Heritage and Tourism Data”. In: *Proceedings of the 16th International Workshop on Semantic and Social Media Adaptation and Personalization (SMAP)*. Nov. 2021.
- [5] **Paraskevi Raftopoulou** and Euripides Petrakis. “A Measure for Cluster Cohesion in Semantic Overlay Networks”. In: *Proceedings of the 6th International Workshop on Large-Scale Distributed Systems for Information Retrieval (LSDS-IR)*. Napa Valley, California, Oct. 2008.
- [4] Euripides Petrakis, Giannis Varelas, Angelos Hliaoutakis, and **Paraskevi Raftopoulou**. “Design and Evaluation of Semantic Similarity Measures for Concepts Stemming from the Same or Different Ontologies”. In: *Proceedings of the 4th Workshop on Multimedia Semantics (WMS)*. Chania, Crete, Greece, June 2006.
- [3] Giannis Varelas, Epimenides Voutsakis, **Paraskevi Raftopoulou**, Euripides Petrakis, and Evangelos Milios. “Semantic Similarity Methods in WordNet and their Application to Information Retrieval on the Web”. In: *Proceedings of the 7th ACM International Workshop on Web Information and Data Management (WIDM)*. Bremen, Germany, Nov. 2005.

- [2] Manolis Koubarakis, Christos Tryfonopoulos, **Paraskevi Raftopoulou**, and Theodoros Koutris. “Data Models and Languages for Agent-Based Textual Information Dissemination”. In: *Proceedings of the 6th International Workshop on Cooperative Information Agents (CIA)*. Vol. 2446. Lecture Notes in Artificial Intelligence. Madrid, Spain: Springer, Sept. 2002, pp. 179–193.
- [1] P. Marrow, M. Koubarakis, R.H. van Lengen, F. Valverde-Albacete, E. Bonsma, J. Cid-Suerio, A.R. Figueiras-Vidal, A. Gallardo-Antolin, C. Hoile, T. Koutris, H. Molina-Bulla, A. Navia-Vazquez, **P. Raftopoulou**, N. Skarmas, C. Tryfonopoulos, F. Wang, and C. Xiruhaki. “Agents in Decentralised Information Ecosystems: The DIET Approach”. In: *Proceedings of the Symposium on Information Agents for E-Commerce, AISB Convention*. York, UK, Mar. 2001.

5.4 Publications in National Venues

- [3] Andreas Doumouras, Evangelos Mitikas, Ermis Doulos, Manos Schoinoplokakis, Giannis Nikolentzos, Christos Tryfonopoulos, Spiros Skiadopoulos, Costas Vassilakis, and **Paraskevi Raftopoulou**. “PROVATO: A Data-Centric Edge-AI Architecture for Precision Livestock Monitoring Using IoT.” In: *Proceedings of the 19th Hellenic Data Management Symposium (HDMS)*. Ioannina, Greece, July 2025.
- [2] Christos Tryfonopoulos, Charis Kotsiopoulos, and **Paraskevi Raftopoulou**. “Data Science Tutor: An online platform for automated exercise solving in Data Science.” In: *Proceedings of the 9th Conference on Computer Science Teaching (DIDINFO)*. Thessaloniki, Greece, Oct. 2018.
- [1] Manolis Koubarakis, Theodoros Koutris, **Paraskevi Raftopoulou**, and Christos Tryfonopoulos. “Efficient Agent-Based Dissemination of Textual Information”. In: *Proceedings of the 2nd Hellenic Conference on Artificial Intelligence (SETN)*. Thessaloniki, Greece, Apr. 2002.

5.5 Theses and Technical Reports

- [4] **Paraskevi Raftopoulou**. “Rewiring Peer Connections over Semantic Overlay Networks”. PhD thesis. Greece: Department of Electronic and Computer Engineering, Technical University of Crete, Dec. 2009.
- [3] **Paraskevi Raftopoulou** and Euripides Petrakis. *Semantic Similarity Measures: A Comparison Study*. Tech. rep. TR-TUC-ISL-04-2005. Department of Electronic and Computer Engineering, Technical University of Crete, 2005.
- [2] **Paraskevi Raftopoulou**. “Fair Resource Allocation in P2P Systems: Theoretical and Experimental Results”. MA thesis. Greece: Department of Electronic and Computer Engineering, Technical University of Crete, June 2003.
- [1] **Paraskevi Raftopoulou** and Christos Tryfonopoulos. “Design and Implementation of a Project Management System using Relational Databases”. Bachelor’s Thesis. Greece: Department of Computer Science, University of Crete, June 2000.

6 SCIENTIFIC CONTRIBUTION

6.1 Research Impact and Citations

The publications listed in Section 5 have received more than 1,100 citations in Google Scholar, with an h-index of 12 and an i10-index of 13. In addition, more than 530 confirmed third-party citations have been identified through various publication management and indexing systems, originating from over 506 publications in international journals, conferences, workshops, technical reports, and doctoral/master’s dissertations (full list available upon request). The citing publications include contributions appearing in leading journals, conferences, and scientific venues in the field, including the VLDB Journal, IEEE TKDE, IEEE Internet Computing, ACM Symposium on Applied Computing, Artificial Intelligence Review, WWW, SIGMOD, SIGIR, INFOCOM, ICDM, ICTAI, ICSC, BigComp, Big Data Conference, and others.

6.2 Evaluator for Research Organizations and Funding Programmes

Evaluation of research and development proposals/projects

- External evaluator of research proposals under Horizon 2020, FP7 ICT, and FET-Open programmes.
- Member of final certification teams responsible for the verification and certification of the technical/scientific scope and deliverables of projects funded under the Greek National Strategic Reference Framework (NSRF/ESPA).

6.3 Journal Editorial and Peer-Review Activities

Guest Editor

Editorial for the Special Issue “Advances in AI-Driven Big Data Management and Analytics”. In: *Applied Sciences* (2027).

Editorial for the Special Issue “Advanced Technologies in Digitizing Cultural Heritage Volume II”. In: *Applied Sciences* 15.12 (2025).

Editorial for the Special Issue “Advanced Technologies in Digitizing Cultural Heritage”. In: *Applied Sciences* 10.13 (2023).

Journal Reviewer

ACM Transactions on Data and Knowledge Engineering (TKDE). ACM Computing Surveys. IEEE Internet Computing. IEEE Transactions on Parallel and Distributed Systems (TPDS). Knowledge and Information Systems (KAIS), Springer. International Journal on Digital Libraries (IJDL), Springer. Journal of Parallel and Distributed Computing (JPDC), Elsevier. Journal of Data and Knowledge Engineering (DKE), Elsevier. Information Systems, Elsevier. Expert Systems With Applications Journal, Elsevier. Computational Intelligence Journal, Wiley. Journal of Web Semantics, Elsevier. Journal of Web Semantics on Ontology-Based Data Access (JWS), Elsevier. Engineering Science and Technology Journal, Elsevier. International Journal of Web Information Systems, Emerald. ACM Journal on Computing and Cultural Heritage. International Journal on Artificial Intelligence Tools, World Scientific. Future Internet, MDPI. Research Metrics and Analytics, Frontiers.

6.4 Program Committee / Conference and Workshop Reviewer

General Chair

ACM Hellenic Data Management Symposium (HDMS) 2027.

Publicity Chair

IEEE CSR Workshop on Data Science for Cyber Security (DS4CS), 2021 through 2023.

Conference Reviewer

Annual International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR). International Conference on Information and Knowledge Management (CIKM). European Conference on Information Retrieval (ECIR). International Semantic Web Conference (ISWC). IEEE International Conference on Cyber-Security and Resilience (CSR). IEEE International Conference on Data Science and Advanced Analytics (DSAA). IEEE International Conference on Tools with Artificial Intelligence (ICTAI). International Conference on Database and Expert Systems Applications (DEXA). European Semantic Web Conference (ESWC). Asian Semantic Web Conference (ASWC). International Conference on Data Science, Technology and Applications (DATA). International Conference on Analysis of Images, Social Networks, and Texts (AIST). International Conference on Advances in P2P Systems (AP2PS). Hellenic Data Management Symposium (HDMS). Panhellenic Conference on Informatics (PCI). Panhellenic Conference on Electronics and Telecommunications (PACET).

Workshop Reviewer

Workshop on Large-Scale Distributed Systems for Information Retrieval (LSDS-IR @ SIGIR). Workshop on Information Retrieval in Peer-to-Peer Networks (P2PIR @ CIKM). Workshop on Data Science for Cyber Security (DS4CS @ CSR). Workshop on Scientific Knowledge Graphs (SKG @ TPD). Workshop on Scientific Knowledge: Representation, Discovery, and Assessment (Sci-K @ WWW). Workshop on Efficiency Issues in Information Retrieval (EIIR), Workshop on Assessing Impact and Merit in Science (AIMinScience).

7 TEACHING AND SUPERVISION

7.1 Independent Teaching

The following independent teaching work has been offered in Undergraduate Studies Programs (BSc) and Postgraduate Studies Programs (MSc) at the University of the Peloponnese, as well as in the inter-institutional MSc Program of the University of the Peloponnese and N.C.S.R. “Demokritos”.

Course Title	Type	Acad. Years
Data Visualization	MSc	2025–2026 through 2026–2027
Data Management	MSc	2023–2024 through 2024–2025
Web Information Management	MSc	2019–2020
Advanced Topics in Big Data Management	MSc	2018–2019
Databases	MSc	2011–2012
Big Data Management	BSc	2017–2018 through 2024–2025
Research Methodology and Academic Writing	BSc	2022–2023 through 2025–2026
Databases	BSc	2013–2014
Introduction to Computer Science	BSc	2011–2012

7.2 Laboratory and Tutorial Teaching

Listed below are laboratory courses and tutorial sessions offered in BSc Programs at the University of the Peloponnese.

Course Title	Type	Acad. Years
Information Retrieval and Mining	Tutorial	2010–2011 through 2026–2027
Databases	Tutorial	2008–2009 through 2026–2027
Programming II	Lab	2008–2009 through 2026–2027
Object-Oriented Programming	Lab	2008–2009 through 2026–2027
Artificial Intelligence	Lab	2009–2010
Data Management Systems	Tutorial	2009–2010
Internet Services	Tutorial	2009–2010

7.3 Student Supervision

Master's Theses

Two (2) master's theses are currently under supervision, conducted in MSc Programs of the Department of Informatics and Telecommunications at the University of the Peloponnese, on topics related to data management and information mining, while the supervision of four (4) master's theses has been successfully completed.

Bachelor's Theses

Three (3) bachelor's theses are currently under supervision, conducted in the Department of Informatics and Telecommunications at the University of the Peloponnese, on topics related to data/information management and distributed systems, while the supervision of fourteen (14) bachelor's theses has been successfully completed.

7.4 Examination Committee Membership

Member of twelve (12) examination committees for master's theses (MSc) and twenty-five (25) examination committees for bachelor's theses (BSc).

8 OUTREACH AND DISSEMINATION

8.1 Invited Talks and Presentations

The following are selected invited talks and presentations given outside the context of conferences or academic programs.

May 2025	<i>Learning Differently? Education in the Age of Artificial Intelligence.</i> Symposium entitled "The Form and Significance of Education in the Past, Present and Future", Municipality of Velo-Vocha, Greece.
June 2024	<i>Micro-mobility in the urban area: means and benefits.</i> World Conference on Data Science and Statistics, Amsterdam, The Netherlands.
March 2024	<i>Artificial Intelligence in Business: Benefits & Examples.</i> Symposium entitled "Artificial Intelligence and Business", Peloponnese EXPO 2024, Tripoli, Greece.
November 2023	<i>The Internet under a microscope: A close look at the largest community on earth.</i> Lecture series of the Department of Informatics and Telecommunications, University of the Peloponnese, entitled "A Month of Science and Technology: Open Lectures for All", Tripoli, Greece.
September 2023	<i>Data Management in the ENIRISST+ cloud.</i> International Congress on Transportation Research, Heraklion, Greece.
May 2023	<i>Smart cities: How can we have a better quality of life?</i> Conference on Climate Change and New Technologies, Kalamata, Greece.
November 2022	<i>ENIRISST – Greece's first big data platform for transport, logistics and supply chain.</i> Data Science Europe, Belgrade, Serbia.

<i>April 2022</i>	<i>Smart cities: technological challenges and applications.</i> Lecture series of the Department of Informatics and Telecommunications, University of the Peloponnese, entitled “A Month of Science and Technology: Open Lectures for All”, Tripoli, Greece.
<i>September 2018</i>	<i>Gliding the data avalanche.</i> Tomas Bata University, Zlin, Czech Republic.
<i>January 2008</i>	<i>Information Retrieval and Filtering over Self-Organising Distributed Social Networks.</i> Max-Planck Institute for Informatics, Saarbruecken, Germany.

8.2 Seminar Organization

<i>January 2007</i> – <i>August 2007</i>	Development of educational material and guidance of instructors Program: “Get Connected” (Δικτυωθείτε) The program aimed at raising awareness and providing financial support to small businesses to familiarize themselves with the digital economy and to leverage the opportunities offered by the internet for their operations and activities. Operational Programme “Competitiveness”, Ministry of Development.
<i>June 2004</i>	Development of educational material and responsible for conducting Project: MULTI MINE “Human Network in Knowledge Management and Discovery Technologies from Multimedia Content”. General Secretariat for Research and Innovation.

9 FOREIGN LANGUAGES

English | Very good – Cambridge First Certificate in English

French | Fluent – Diplôme d’Études Françaises 2^e Degré de Sorbonne – option
Literature, DELF 2^e Degré