UNIVERSITY of the PELOPONNESE
Faculty of Economics, Management, & Informatics
Dept. of Informatics & Telecommunications

January 24, 2025

Paraskevi Raftopoulou
Research & Teaching Staff

CURRICULUM VITAE

I. PERSONAL DETAILS

Ia. Contact information

Address: Department of Informatics and Telecommunications
                    Building B, University of the Peloponnese
                    Th. Kolokotronis University Campus, Tripoli, GR-22132
Telephone: +30 2710 230138
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Ib. Research interests

- Big data management [no-sql databases, distributed computations, data mining]
- Distributed systems [(self-organising / distributed) social networks, complex adaptive systems, peer-to-peer, grid and cloud computing, multi-agent systems]
- Data/Information management [information retrieval and filtering, semantic information management, sentiment analysis]
- Digital libraries [architectures, content retrieval and publish/subscribe]
- Databases [distributed databases, data models/query languages]
- Application domains [precision farming, smart cities, transportations]

Ic. Language skills

- Greek: fluently (native language)
- English: very good (First Certificate in English)
- French: fluently (Diplôme d' Études Françaises 2ᴇ Degré de Sorbonne - option Literature, Delf 2ᴇ Degré)

II. EDUCATION

December 2009:   Ph.D. from the Department of Electronic and Computer Engineering, Technical University of Crete, Greece
Thesis Title: *Rewiring Peer Connections over Semantic Overlay Networks*
Supervisor: Prof. Euripides Petrakis (petrakis@intelligence.tuc.gr)
Members of my doctoral committee: Prof. Stavros Christodoulakis, Assist. Prof. Vasilis Samoladas

June 2003:   M.Eng. from the Department of Electronic and Computer Engineering, Technical University of Crete, Greece
Thesis Title: *Fair Resource Allocation in P2P Systems: Theoretical and Experimental Results*
Supervisor: Prof. Manolis Koubarakis (koubarak@di.uoa.gr).
Members of my doctoral committee: Prof. Stavros Christodoulakis, Prof. Euripides Petrakis

October 2000:   B.Sc. with GPA 7.82 out of 10 from the Computer Science Department, University of Crete, Greece
Thesis Title: *Design and Implementation of a Project Management System using Relational Databases*
Supervisor: Prof. Dimitris Plexousakis (dp@ics.forth.gr)

III. EMPLOYMENT & RESEARCH EXPERIENCE

IIIa. Employment

July 2013 - present	Research and teaching staff at the Department of Informatics and Telecommunications, University of the Peloponnese, Greece
August 2008 - present	Member of the Software and Database Systems Laboratory, University of the Peloponnese, Greece
October 2014 - December 2014	Remote evaluator for FET-Open ICT Research Proposals submitted in response to the H2020-2014/2015 call
August 2008 - June 2013	Research staff and teaching staff at the Department of Computer Science and Technology, University of the Peloponnese, Greece
July 2011 - May 2013	Remote evaluator for FET-Open ICT Research Proposals submitted in response to the FP7 call
June 2011	Expert Evaluator for FET-Open ICT Research Proposals submitted in response to the FP7 call at the European Commission, Brussels, Belgium
October 2007 - July 2008	Visiting researcher at the Databases and Information Systems Department, Max-Planck Institute for Informatics
Director: Prof. Gerhard Weikum (weikum@mpi-inf.mpg.de)

June 2000 - July 2008	Research assistant at the Intelligent Systems Laboratory, Technical University of Crete, Greece Director: Prof. Euripides Petrakis (petrakis@intelligence.tuc.gr)
January 2007 - August 2007	Seminars to the instructors of the program "*Diktiothite*" and preparation of educational material for the same program More information about the program is available at: www.go-online.gr
June 2004	Preparation of educational material and participation at the 3rd Multi-Mine Seminar Series with title "*Knowledge Extraction with Emphasis in Medical Applications*" More information about the program is available at: www.multimine.gr
December 1999 - June 2000	Design and implementation of database applications for Istos ltd., Heraklion, Crete

IIIb. Participation in projects

May 2021 - November 2024	Project "SodaSense: Advanced big data management with applications in travel, climate and agriculture", funded by the Peloponnese Prefecture in Greece. More information about the project is available at: https://sodasense.uop.gr
September 2021 - November 2023	Project "REHABOTICS - Integrated Rehabilitation System for People with Motor Disabilities", funded by 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 - August 2023	Project "Intelligent Research Infrastructure for Shipping, Supply Chain, Transport and Logistics Plus (ENIRISST+)", 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	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

May 2019 - February 2023	Project "Intelligent Research Infrastructure for Shipping, Supply Chain, Transport and Logistics (ENIRISST)", funded by the Competitiveness, Entrepreneurship and Innovation Operational Programme 2014-2020 (EPAnEK). More information about the project is available at: https://www.enirisst.gr
October 2013 - December 2015	Participation in project "Quality Assurance Unit of the University of 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
April 2009 - September 2009	Research assistant in project "*Intelligent Systems Laboratory*", funded by the Technical University of Crete, Greece. One of its main objectives was the development of peer-to-peer algorithms and systems.
November 2002 - November 2006	Principal investigator (together with Ass. Prof. Euripides Petrakis) in the project "*Heraclitus*", funded by the Greek Ministry of Education. More information about the project is available at: www.epeaek.gr
June 2006 - September 2006	Research assistant in 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 assistant in project *BIOPATTERN*, funded by the 6th EU Framework Programme IST/FET. More information about the project is available at: www.biopattern.org
July 2000 - June 2003	Research assistant in 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

IV. TEACHING

IVa. Courses

Big Data Management	4th year graduate course taught since 2017 at the Department of Informatics and Telecommunications, University of the Peloponnese, Greece
Research Methodology and Scientific Writing	3rd year graduate course taught since 2023 at the Department of Informatics and Telecommunications, University of the Peloponnese, Greece

Web Information Management	Postgraduate course taught in 2019 at the Department of Computer Science and Technology, University of the Peloponnese, Greece
Advanced topics in Big Data Management	Postgraduate course taught in 2018 at the Department of Computer Science and Technology, University of the Peloponnese, Greece
Databases	3rd year graduate course taught in 2013 at the Department of Informatics and Telecommunications, University of the Peloponnese, Greece
Databases	Postgraduate course taught in 2011 at the Department of Computer Science and Technology, University of the Peloponnese, Greece
Introduction to Computer Science	1st year graduate course taught in 2011 at the Department of Economic Science, University of the Peloponnese, Greece

IVb. Lab courses

Programming II - C	1st year graduate course taught in 2009-2013, 2015, & since 2017 at the Department of Informatics and Telecommunications, University of the Peloponnese, Greece
Databases	3rd year graduate course taught in 2008-2012, 2015, & since 2017 at the Department of Computer Science and Technology, University of the Peloponnese, Greece
Object-oriented programming - Java	2nd year graduate course taught in 2008-2012 & since 2022 at the Department of Computer Science and Technology, University of Peloponnese, Greece
Information Retrieval	4th year graduate course taught in 2010-2013 at the Department of Computer Science and Technology, University of the Peloponnese, Greece
Artificial intelligence	3rd year graduate course taught in 2009-2010 at the Department of Computer Science and Technology, University of the Peloponnese, Greece
Data management systems	4rd year graduate course taught in 2009-2010 at the Department of Computer Science and Technology, University of the Peloponnese, Greece
Internet services	3rd year graduate course taught in 2009 at the Department of Computer Science and Technology, University of the Peloponnese, Greece

IVc. Teaching assistantships

Teaching assistant at the Department of Electronic and Computer Engineering, Technical University of Crete, Greece, in the following courses:

- Data structures (spring 2004, 2005, 2006 & 2007)
- Theory of Computation (autumn 2005 & 2006)
- Multimedia management (autumn 2003 & 2004)
- Theory of programming languages (spring 2003)
- Artificial intelligence (spring 2001 & 2002, autumn 2002)
- Compilers (autumn 2000 & 2001)

V. PUBLICATIONS

Va. Publications in journals and magazines

1. Fotios K. Anagnostopoulos, Spyros Rigas, Michalis Papachristou, Ioannis Chaniotis, Ioannis Anastasiou, Christos Tryfonopoulos, and Paraskevi Raftopoulou. Forecasting PM pollution in urban environments using AI and sensor networks: model formulation and evaluation. *Atmosphere*, 14(9), 1413, September 2023.

2. Akrivi Katifori, Angeliki Antoniou, Areti Damala, and Paraskevi Raftopoulou. Editorial for the Special Issue Advanced Technologies in Digitizing Cultural Heritage. *Applied Sciences*, 13(10), 5873, May 2023.

3. 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. *Big Data and Cognitive Computing*, 4(2), 7, April 2020.

4. Christos Tryfonopoulos, Stratos Idreos, Manolis Koubarakis, and Paraskevi Raftopoulou. Distributed Large-Scale Information Filtering. *LNCS Transactions on Large-Scale Data- and Knowledge-Centered Systems (TLDKS), Springer*, 13(91-122), 2014.

5. Paraskevi Raftopoulou, Euripides G.M. Petrakis, and Christos Tryfonopoulos. Rewiring Strategies for Semantic Overlay Networks. *Distributed and Parallel Databases (APD)*, 26(2-3), 181-205, December 2009.

6. Euripides Petrakis, Giannis Varelas, Angelos Hliaoutakis, and Paraskevi Raftopoulou. X-Similarity: Computing Semantic Similarity between Concepts from Different Ontologies. *Journal of Digital Information Management (JDIM)*, December 2006.

7. Paraskevi Raftopoulou, Manolis Koubarakis, Kostas Stergiou, and Peter Triantafillou. Fair Resource Allocation in a Simple Multi-Agent Setting: Search Algorithms and Experimental Evaluation. *International Journal on Artificial Intelligence Tools (IJAIT)*, 14(6), December 2005.

Vb. Publications in conferences

1. George Fotopoulos, Paris Koloveas, Paraskevi Raftopoulou, and Christos Tryfonopoulos. Comparison of full-text search performance in relational and non-relational database systems. In *Proceedings of the 12th International Conference on Data Science, Technology and Applications (DATA)*, Rome, Italy, July 2023. (Short paper)

2. 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. (Demo track)

3. 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, December 2022. (Poster track)

4. 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. (Short paper)

5. 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 ACM International Conference on Computer Science Education Research (CSERC)*, Larnaca, Cyprus, November 2019.

6. Christos Tryfonopoulos, Paraskevi Raftopoulou, Vinay Setty, and Argiris Xiros. Towards Content-Based Publish/Subscribe for Distributed Social Networks. In *Proceedings of the 9th ACM International Conference on Distributed Event-Based Systems (DEBS)*, Oslo, Norway, 29 June - 3 July 2015. (Poster track)

7. 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, September 2013.

8. Dionisis Kontominas, Paraskevi Raftopoulou, Christos Tryfonopoulos, and Euripides G.M. Petrakis. DS4: A Distributed Social and Semantic Search System. In *Proceedings of the 35th European Conference on Information Retrieval (ECIR)*, Moscow, Russia, March 2013. (Demo track)

9. Paraskevi Raftopoulou and Euripides Petrakis. Peer Rewiring in Semantic Overlay Networks. In *Proceedings of the 18th International Conference on Cooperative Information Systems (CoopIS)*, Crete, Greece, October 2010.

10. Paraskevi Raftopoulou, Euripides 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, September 2008.

11. 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.

12. 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)*, pages 527-542, Rome, Italy, September 2002.

Vc. Publications in workshops

1. 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 International Workshop on Data Science for Cyber Security (DS4CS @ IEEE CSR)*, Venice, Italy, 31 July - 02 August, 2023.

2. Sotirios Nikoletos and Paraskevi Raftopoulou. Employing social network analysis to dark web communities. In *Proceedings of the International Workshop on Data Science for Cyber Security (DS4CS @ IEEE CSR)*, Virtual Conference, July 2022.

3. 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)*, November 2021.

4. 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.

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, October 2008.

6. 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.

7. 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, November 2005.

8. 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)*, volume 2446 of Lecture Notes in Artificial Intelligence, pages 179-193, Madrid, Spain, September 2002. Springer.

9. 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. Skarmeas, C. Tryfonopoulos, F. Wang, and C. Xiruhaki. Agents in Decentralised Information Ecosystems: The DIET Approach. In *Proccedings of the Symposium on Information Agents for E-Commerce*, AISB Convention, York, UK, March 2001.

Vd. Publications in national venues

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, April 2002.

Ve. Theses and technical reports

1. Paraskevi Raftopoulou. Rewiring Peer Connections over Semantic Overlay Networks. Ph.D. Thesis at the Department of Electronic and Computer Engineering, Technical University of Crete, Greece, December 2009.

2. Paraskevi Raftopoulou and Euripides Petrakis. Semantic Similarity Measures: A Comparison Study. Technical Univ. of Crete (TUC), Dept. of Electronic and Computer Engineering, Chania, Crete, Greece. (Technical Report TR-TUC-ISL-04-2005)

3. Paraskevi Raftopoulou. Fair Resource Allocation in P2P Systems: Theoretical and Experimental Results. MSc thesis, Department of Electronic and Computer Engineering, Technical University of Crete, Greece, June 2003.

4. Paraskevi Raftopoulou. Design and Implementation of a Project Management System using Relational Databases. Diploma thesis, Department of Computer Science, University of Crete, Greece, 2000.

VI. SCIENTIFIC CONTRIBUTION

VIa. Citations to my work

The papers presented in Section V are cited by **more than 1100 works** (self-citations are not included) presented at international journals and magazines, conferences, workshops, technical reports and theses, including venues like ACM TOIT, TKDE, ACM Sigmod Record, Computer Networks, WWW, WISE, JCDL, etc. Some of the citations are referred below. The full citation list is available upon request.

VIb. Scholarships

- October 2007 - December 2007. Research Scholarship for visiting an international research institute given by the Technical University of Crete, Greece.

- November 2002 - November 2006. Postgraduate Research Scholarship for pursuing a Ph.D. given by the Greek Ministry of Education.

VIc. Organisation of / participation to research events

- Act as publicity chair for the 2021, 2022 and 2023 IEEE CSR Workshop on Data Science for Cyber Security (DS4CS)

VId. Program committee memberships and external reviewer

- International Journal on Digital Libraries (IJDL)

- Knowledge and Information Systems (KAIS)

- Science Publishing Group (SciencePG)

- Special Issue on Scientific Knowledge Graph and Research Impact Assessment (at Quantitative Science Studies, MIT Press)

- American Journal of Software Engineering and Applications (AJSEA), 2017

- International Conference on Data Science, Technology and Applications (DATA)

- IEEE International Conference on Tools with Artificial Intelligence (ICTAI)

- Data Science for Cyber Security (DS4CS) Workshop, co-located with IEEE CSR

- 10th International Conference on Data Science and Advanced Analytics (DSAA), 2023

- Scientific Knowledge Graphs (SKG), co-located with TPDL 2020

- 1st International Workshop on Scientific Knowledge: Representation, Discovery, and Assessment (SciK), 2021

- 29th ACM Intern. Conference on Information and Knowledge Management (CIKM), 2020

- 1st International Workshop on Assessing Impact and Merit in Science (AIMinScience) 2020

- 4th International Conference on Analysis of Images, Social Networks, and Texts (AIST), 2015

- Scientific World Journal, 2014

- Journal of Web Semantics on Ontology-Based Data Access (JWS), Special issue, 2014

- Journal of Soft Computing and Information Technology (JSCIT), 2012

- Computer Networks Journal, Special Issue on Collaborative P2P Technology, 2010

- 33rd ACM Intern. SIGIR Conference on Research and development in information retrieval, 2010

- 33rd ACM Intern. SIGIR Conference on Research and development in information retrieval, Poster Track, 2010

- 21st Intern. Conference on Database and Expert Systems Applications (DEXA), 2010

- 6th European Semantic Web Conference (ESWC), 2009

- 1st Intern. Conference on Advances in P2P Systems (AP2PS), 2009

- 20th Intern. Conference on Database and Expert Systems Applications (DEXA), 2009

- 5th European Semantic Web Conference (ESWC) 2008

- Efficiency Issues in Information Retrieval Workshop (EIIR), 2008

- 7th Hellenic Data Management Symposium (HDMS), 2008

- 4th European Semantic Web Conference (ESWC), 2007

- 6th Intern. Semantic Web Conference (ISWC), 2007

- 2nd Asian Semantic Web Conference (ASWC), 2007

VII. OTHER ACADEMIC ACTIVITIES

VIIa. Student supervision

- Giorgos Vakalis, (PhD), in process. Thesis title: "A multimodal approach for discovering social behaviours/patterns in the educational domain".

- Stefanos Vlachos, (MSc), in process. Thesis title: "Multimodal Deep Learning Exploration of Music and Audience Preferences".

- Efstathios Zaragkas, (MSc), in process. Thesis title: "Using Machine Learning Models for Image-Based Crop Disease Detection".

- Charis Sofos, (MSc), in process. Thesis title: "A distributed approach for frequent pattern mining in Web log data".

- Ioannis Pitris, (BSc), in process. Thesis title: "Studying dark web data with machine learning techniques".

- Ioannis Papavasilopoulos, (BSc), in process. Thesis title: "A survey on smart farming and precision agriculture: data sets, applications and technologies used".

- Sotirios Nikoletos, (MSc), completed in 2024. Thesis title: "Leveraging data from social networks and daily news towards enhancing prediction of PM (particulate matter) concentration in urban environments".

- Timoleon Terzakis, (BSc), completed in 2024. Thesis title: "A distributed item-based filtering recommendation approach based on Hadoop framework".

- Petros Tsigkos, (BSc), completed in 2022. Thesis title: "A sentiment analysis of Twitter users during COVID-19 pandemic".

- Lampros Grammatikopoulos, (BSc), completed in 2022. Thesis title: "Detection of fake news with machine learning techniques on social networks".

- Vasilios Efstathiou, (BSc), completed in 2022. Thesis title: "Comparative evaluation of NoSQL and traditional databases".

- Dimitrios Paleologos, (BSc), completed in 2022. Thesis title: "Comparative evaluation of NoSQL and traditional databases".

- Vasileios Kyriakopoulos, (BSc), completed in 2022. Thesis title: "Machine learning for misinformation detection on social networks."

- Spyridon Mais, (BSc), completed in 2022. Thesis title: "Machine learning for misinformation detection on social networks."

- Sotirios Nikoletos, (BSc), completed in 2022. Thesis title: "Employing social network analysis to examine dark web communities".

- Efstathios Zaragkas, (BSc), completed in 2021. Thesis title: "A DHT-based approach for frequent pattern mining in Web log data".

- Dimitrios-Ioannis Linarakis, (BSc), completed in 2021. Thesis title: "From digital footprints to facts: mining social data for marketing practices".

- Stefanos Vlachos, (BSc), completed in 2021. Thesis title: "From digital footprints to facts: mining social data for marketing practices".

- Anastasios Stathopoulos, (MSc), completed in 2013. Thesis title: "Integration and Management System for Law Digital Libraries". Thesis was conducted at the University of the Peloponnese and was co-supervised with Ass. Professor Christos Tryfonopoulos.

- Nikos Zevlis, (BSc), completed in 2013. Thesis title: "Interest-Based User Clustering in Distributed Social Networks". Thesis was conducted at the University of the Peloponnese and was co-supervised with Ass. Professor Christos Tryfonopoulos.

- Dionisis Kontominas, (BSc), completed in 2013. Thesis title: "Implementation of a Semantic Overlay Network for Distributed Data Management". Thesis was conducted at the University of the Peloponnese and was co-supervised with Ass. Professor Christos Tryfonopoulos.

VIIb. Presentations

I have presented papers, demos and posters at international conferences and workshops, including leading venues in the areas of information retrieval, databases and digital libraries. I have also presented work conducted in the context of European projects both at project reviews and technical meetings. Below I list some indicative talks:

- September 2023. Data Management in the ENIRISST+ cloud, presented under the 11th International Congress on Transportation Research, Heraklion, Greece.

- May 2023. Smart cities: How can we have a better quality of life?, presented under the 1st Kalamata Conference on Climate Change and New Technologies, Kalamata, Greece.

- November 2023. The Internet under a microscope: A close look at the largest community on earth, presented under the event "A month of science and technology: Open lectures for all" at Tripoli, Greece; the event was organised by the Dept. of Informatics and Telecommunications, University of the Peloponnese, Greece.

- April 2022. Smart cities: technological challenges and applications, presented under the event "A month of science and technology: Open lectures for all" at Tripoli, Greece; the

event was organised by the Dept. of Informatics and Telecommunications, University of the Peloponnese, Greece.

- September 2018. Gliding the data avalanche, presented at Tomas Bata University, Zlin, Czech Republic.

- March 2013. DS4: A Distributed Social and Semantic Search System (demo), presented at the 35th European Conference on Information Retrieval, Moscow, Russia.

- October 2010. Peer Rewiring in Semantic Overlay Networks, presented at the 18th International Conference on Cooperative Information Systems, Crete, Greece.

- September 2008. Information Retrieval and Filtering over Self-Organising Digital Libraries, presented at the 12th European Conference on Digital Libraries, Arhus, Denmark.

- December 2007. iCluster: a Self-Organizing Overlay Network for P2P Information Retrieval, presented at the 30th European Conference on Information Retrieval, Glasgow, Scotland.

- December 2007. Rewiring Strategies for Efficient IR over Semantic Overlays, presented at the Databases and Information Systems group, Max-Planck-Institut fur Informatik, Germany.

- June 2007. iCluster: a Self-Organising Overlay Network for P2P Information Retrieval, presented at the Databases and Information Systems group, Max-Planck-Institut fur Informatik, Germany.

- September 2005. Knowledge Sharing in Multi-Layer P2P Networks, presented at the STEP 2005 workshop on Net-Centric Computing (NCC'05), Hungary.

- April 2002. Agents in Biomedical Applications, presented at the department of Medicine, University of Crete, Greece.

VIIc. Seminars attended

- June 2004. Multi-Mine Seminar Series, "*Knowledge Extraction with Emphasis in Medical Applications".* Organiser: Technical University of Crete, Greece.

- July 2002. *"The Data Avalanche: Reducing Information Overload"*. Organiser: Onassis Foundation and FORTH. Speakers: J. Gray, P. Konstantopoulos, S. Orphanoudakis, T. Sellis, D. Tsichritzis

- July 2000. *"Planning the Motion of Robots and Molecules: An Algorithmic Introduction".* Organiser: University of Crete and FORTH. Speaker: L. Kavraki

VIII. OTHER PERSONAL DETAILS

Date of birth:	August 26, 1978
Place of birth:	Tripoli, Greece
Nationality:	Greek
Marital status:	Married
Interests:	Dancing, writing, traveling, sports (run, swim, tennis, ski)