

Curriculum Vitae

1. Personal Information

Full name:	Georgios Drosatos		
Father's name	Konstantinos		
Date of Birth:	17 March 1984		
Place of Birth:	Athens (Attica)		
Nationality:	Greek		
Address:	Institute for Language and Speech Processing, Athena Research Center, University Campus Kimmeria, 67100 Xanthi, Greece		
Phone:	☎ (+30) 2541350669		
Email:	gdrosato@athenarc.gr		
Languages:	Greek (Native), English (Excellent knowledge)		
Online references:	Personal Website.	https://www.drosatos.info .gr .eu	
	ORC ID	http://orcid.org/0000-0002-8130-5775	
	Google Scholar	https://scholar.google.gr/citations?user=FDnuFgoAAAAJ	
	Scopus	https://www.scopus.com/authid/detail.uri?authorId=25926975400	
	Research Gate	https://www.researchgate.net/profile/George-Drosatos	
	Academia	https://athena-innovation.academia.edu/GeorgeDrosatos	

Dr. George Drosatos is a Principal Researcher (Researcher Grade B), with the subject "Privacy Technologies in Content Analysis and Retrieval", at the Institute for Language and Speech Processing (ILSP) of the ATHENA RC in Xanthi. Before that and after receiving his PhD in Privacy Enhancement Technologies, he was an Associate Researcher for more than 7 years, participating in National and European research projects (more than 19 in total). During this period, he conducted postdoctoral research at the School of Medicine, Democritus University of Thrace, entitled "Design and development of large-scale algorithms for the exploitation and protection of sensitive medical personal data" and additionally received a postdoctoral research fellowship at the Department of Electrical and Computer Engineering, Democritus University of Thrace, doing research related to "Evaluating news reliability in social influence networks". Dr. Drosatos has an interdisciplinary background, and his research interests are mainly focused on privacy-enhancing technologies, information security and biomedical computing. He has been teaching undergraduate and postgraduate courses at the Democritus University of Thrace (DUTH), the International Hellenic University (IHU) and the Neapolis University of Paphos (NUP). Based on this expertise, he has been an invited speaker in nine (9) scientific events (two of them international), giving talks on federated learning (2), blockchain technology (3), privacy on the internet (3) and the biomedical sector (1). In addition, he is currently a committee member of two scientific journals, guest editor of special issues (10 in total, two of which ran for a second and third year after the success of the first year), organizing committee of scientific conferences, and from March 2023 to March 2025 he served as *Secretary General* of the European Alliance for Medical and Biological Engineering & Science (EAMBES). Regarding his scientific work, he has a total of 72 publications in full-text journals and international

conferences, with more than 1600 citations, h-index 21 and i10-index 35 in [Google Scholar](#).

Mr. Drosatos' research interests are summarized (but not limited) to the following:

- Privacy technologies using cryptographic protocols and privacy-by-design approaches
- Information retrieval and data mining from the World Wide Web, scientific literature repositories and social networks
- Machine learning and contextual suggestion as user support services in health and tourism
- Modelling of multivariate data and development of knowledge description ontologies
- Data and information security by providing services such as non-repudiation and data integrity

2. Studies

2017-2019	Postdoctoral Research Postdoctoral Research Title: "Design and development of large-scale algorithms for the exploitation and protection of sensitive medical personal data", Department of Medicine, Democritus University of Thrace, Alexandroupoli (Greece) Supervisor: Prof. Eleni Kaldoudi
2007-2013	Doctor of Philosophy (PhD) Τίτλος διδακτορικής διατριβής: "Utilization and protection of personal data in Ubiquitous Computing", Department of Electrical and Computer Engineering, Democritus University of Thrace, Xanthi (Greece) Supervisor: Prof. Pavlos S. Efraimidis DOI: 10.12681/eadd/30085 PhD thesis grade: "A - EXCELLENT"
2008-2010	Master of Science (MSc) Title of the Master's degree: "Algorithms for exploiting personal location data while protecting privacy: Application to medical services", Department of Electrical and Computer Engineering, Democritus University of Thrace, Xanthi (Greece). Supervisor: Prof. Alexandros Karakos Master's degree grade: 9.85/10
2001-2006	Bachelor's Degree in Electrical and Computer Engineering (integrated with Master's Degree) Diploma thesis title: "Data Management on Platforms with Limited Computational Resources" Supervisor: Prof. Pavlos S. Efraimidis Degree grade: 7.77/10

2.1. Lifelong Learning - Training

- **Foreign language:** English, Level C2, Diploma "Pearson Test of English (PTE) Level 5" (2018)
- **Participation/presentation of research results in scientific conferences:**
 - 9th European Medical and Biological Engineering Conference (EMBEC 2024), Attending the conference and presenting the research paper "Towards Wearable Continuous Point-of-Care Monitoring for Deep Vein Thrombosis of the Lower Limb", Portorož, Slovenia, 9-13 June 2024.

- 10th Pan-Hellenic Conference on Biomedical Technology (ELEVIT 2023), Conference attendance and presentation of the research paper "Emotion Analysis of the Interaction Between Pharmaceutical Companies and the Public on Social Media", Thessaloniki, Greece, 6-8 October 2023.
- 16th Mediterranean Conference on Medical and Biological Engineering and Computing (MEDICON 2023), Attendance of the conference and presentation of the research paper "Interaction Between Pharmaceutical Companies and the Public During the COVID-19 Pandemic-A Twitter Analysis", Sarajevo, Bosnia and Herzegovina, 14-16 September 2023.
- 11th International Conference on Innovative Security Solutions for Information Technology and Communications (SecITC 2018), Attendance of the conference and presentation of the research paper "ADvoCATE: A Consent Management Platform for Personal Data Processing in the IoT using Blockchain Technology", Bucharest, Romania, 8-9 Nov 2018.
- 1st International Symposium "ELECTROMAGNETIC FIELDS (EMFs) and HEALTH", Attendance of the conference and presentation of the research paper "PhubMit - A New Smart Intervention for Estimating and Mitigating the Cell Phone Induced Ostracism (Phubbing)", Athens, Greece, 14-15 September 2018.
- 25th World Congress on Medical Physics and Biomedical Engineering (IUPESM 2018), Attendance of the conference and presentation of the research paper "An Online Service for Topics and Trends Analysis in Medical Literature", Prague, Czech Republic, 3-8 June 2018.
- 11th International Conference on Health Informatics (HealthInf 2018), part of BIOSTEC, Conference attendance and presentation of the research paper "Communicating Personalized Risk Factors for Lifestyle Coaching", Funchal, Madeira-Portugal, 19-21 Jan. 2018.
- 3rd International Conference on Biomedical and Health Informatics (ICBHI 2017), Attendance of the conference and presentation of the research paper "Notarization of Knowledge Retrieval from Biomedical Repositories using Blockchain Technology", Thessaloniki, Greece, 18-21 Nov. 2017.
- 7th European Medical and Biological Engineering Conference (EMBEC 2017), Attendance of the conference and presentation of the research paper "Topics and Trends Analysis in eHealth Literature", Tampere, Finland, 11-15 June 2017.
- Social Media & Participatory Health Conference (SMPH 2016), part of 13th International Congress in Nursing Informatics (NI 2016), Attendance of the conference and presentation of the research paper "Capturing Provenance, Evolution and Modification of Clinical Protocols via a Heterogeneous, Semantic Social Network", Geneva, Switzerland, 25-29 June 2016.
- 14th Mediterranean Conference on Medical and Biological Engineering and Computing (MEDICON 2016), Conference attendance and presentation of the research paper "An Ontology based Scheme for Formal Care Plan Meta-Description", Paphos, Cyprus, 31 Mar. - 2 Apr. 2016.
- 9th International Conference on Health Informatics (HealthInf 2016), part of BIOSTEC, Attendance of the conference and presentation of the research paper "Towards Privacy by Design in Personal e-Health Systems", Rome, Italy, 21-23 Feb. 2016.
- 39th Annual IEEE Computers, Software and Applications Conference (COMPSAC 2015), Attendance of the conference and presentation of the research paper "Pythia: A Privacy-enhanced Personalized Contextual Suggestion System for Tourism", Taichung, Taiwan, July 1-5, 2015.

- 24th World Congress on Medical Physics and Biomedical Engineering (IUPESM WC 2015), Conference attendance and presentation of the research paper "Extracting Intention from Web Queries- Application in eHealth Personalization", Toronto, Canada, June 7-12, 2015.
- 6th Pan-Hellenic Conference on Biomedical Technology (ELEVIT 2015), Attendance of the conference and presentation of the research paper "Aggregating Educational Data for Patient Empowerment", Athens, Greece, 6-8 May 2015.
- 22nd Text REtrieval Conference (TREC 2013), Attendance of the conference and presentation of the research paper "DUTH at TREC 2013 Contextual Suggestion Track", National Institute of Standards and Technology (NIST), Gaithersburg, Maryland, USA, 19-22 Nov. 2013.
- 36th Annual IEEE Computer Software and Applications Conference (COMPSAC 2012), Attendance of the conference and presentation of the research paper "A Privacy-Preserving Cloud Computing System for Creating Participatory Noise Maps", Izmir, Turkey, July 16-20, 2012.
- 27th IFIT International Information Security and Privacy Conference (SEC 2012), Attendance of the conference and presentation of the research paper "Privacy-Preserving Television Audience Measurement using Smart TVs", Heraklion, Crete, Greece, June 4-6, 2012.
- 5th Electrical and Computer Engineering Student Conference (SFHMMY 2012), Attendance of the conference and presentation of the research paper "Controlled Access in Enclosed Building using a Computer", Xanthi, Greece, April 6-7, 2012.
- 8th international conference on Trust, privacy and security in digital business (TrustBus 2011), Attendance of the conference and presentation of the research paper "Privacy-Preserving Statistical Analysis on Ubiquitous Health Data", Toulouse, France, Aug. 29 - Sept. 02, 2011.
- 4rd International Conference on PErsasive Technologies Related to Assistive Environments (PETRA 2011), Attendance of the conference and presentation of the research paper "Privacy-Enhanced Management of Ubiquitous Health Monitoring Data", Heraklion, Crete, Greece, May 25-27, 2011.
- 3rd International Conference on PErsasive Technologies Related to Assistive Environments (PETRA 2010), Attendance of the conference and presentation of the research paper "A privacy-preserving protocol for finding the nearest doctor in an emergency", Pythagorion, Samos, Greece, June 23-25, 2010.
- 3rd Pan-hellenic Scientific Student Conference on Informatics (EYRHKA 2009), Attendance of the conference and presentation of the research paper "Quantum: A Peer-to-Peer Network for Distributed Computations with Enhanced Privacy", Corfu, Greece, Sept. 10-12, 2009.
- **Technical knowledge of computer science:**

Operating systems	MS-DOS, Windows XP/Vista/7/8.1/10, Windows Server 2003/2008/2012, Linux (Knoppix, Slax, Fedora, Red Hat, Ubuntu), Windows Mobile 5.0/6.0, Android	Web design	HTML5, PHP, CSS, JSP, JavaScript, NodeJS, AngularJS
Applications	Word, Excel, PowerPoint, Matlab (Simulink), Eclipse, Borland JBuilder,	Databases	MySQL, Oracle, MS Access, SQL Server

	Spice, Leonardo Spectrum, Visual Studio 2015, SPSS 16, Protégé 5, Android Studio		2012, PostgreSQL, Virtuoso 7.2 (RDF Repositories)
Programming languages		Fortran, C, C++, C#, Pascal, Java, Python, VHDL, SQL, XML, OWL2, SPARQL	

3. Previous Experience in Academic and Research Institutions

22/07/2025 - Today	Principal Investigator (Researcher Grade B) Knowledge area "Privacy Technologies in Content Analysis and Retrieval", Institute of Language Processing (ILP), Athena - Research Centre for Innovation in Information, Communication and Knowledge Technologies, Xanthi branch, Xanthi (Greece) https://www.ilsp.gr / https://www.athenarc.gr
15/07/2020 - 21/07/2025	Assistant Researcher (Researcher Grade C) Knowledge area 'Privacy Technologies in Content Analysis and Retrieval', Institute for Speech Processing (IL), Athena - Research Centre for Innovation in Information, Communication and Knowledge Technologies, Xanthi branch, Xanthi (Greece) https://www.ilsp.gr / https://www.athenarc.gr
01/01/2019 - 27/06/2020	Associate Researcher Participation in the research project PROMOTE, in Greek 'ΑΝΑΔΕΙΞΤΟ' (Tourism Experience Promotion Tools), with project code MIS 5030446 of the Operational Programme "Competitiveness, Entrepreneurship and Innovation". Team Leader: Prof. Pavlos S. Efraimidis. Institute of Speech Processing (IL), Athena - Research Centre for Innovation in Information, Communication and Knowledge Technologies, Xanthi branch, Xanthi (Greece) https://promote.athenarc.gr
01/04/2019 - 31/03/2020	Research Associate Participation in the research project Oncorecords (An Oncology Patient Oriented Medical History Management System) with project code MIS 5030205 of the Operational Programme "Competitiveness, Entrepreneurship and Innovation". Coordinator: Dr. Christos Papaterpos, CEO. DATAVERSE Information Systems and Applications Ltd., Thessaloniki (Greece) https://www.dataverse.gr
01/04/2018 - 14/01/2020	Associate Researcher (Fellow) Participation in the research project AKSEID, in Greek 'ΑΞΕΙΔ' (Assessment of News Reliability in Social Influence Networks), with project code MIS 5006337 of the Operational Programme "Human Resources Development, Education and Lifelong Learning 2014-2020". Coordinator: Prof. Pavlos S. Efraimidis. Department of Electrical and Computer Engineering, Democritus University of Thrace, Xanthi (Greece) https://euclid.ee.duth.gr/akseid-en/

14/08/2017 - 15/12/2018	Research Software Engineer Participation in the research project EROGamb (Empowering Responsible Online Gambling with Predictive, Real-time, Persuasive and Interactive Intervention) funded by GambleAware (https://about.gambleaware.org) and Bournemouth University. Coordinator: Prof. Raian Ali. Department of Computing and Informatics, Bournemouth University (BU), Bournemouth (United Kingdom) https://research.bournemouth.ac.uk/project/erogamb/
01/12/2014 - 31/12/2019	Associate Researcher & Project Manager Participation as researcher and project manager in the European FP7 research project CARRE (Personalized patient empowerment and shared decision support for cardiorenal disease and comorbidities) with project code 611140. In addition, participation in other related projects: the CARRE Matching Funds and CARRE Subproject 1 (Overheads). Coordinator: Prof. Eleni Kaldoudi. School of Medicine, Democritus University of Thrace, Alexandroupoli (Greece) https://www.carre-project.eu <i>Final evaluation: Excellent progress with encouragement to continue our research in future research projects.</i>
25/01/2013 - 09/12/2014	Associate Researcher Participation in the research project ATLAS (Advanced Tourism PLanning System) with project code 11SYN-10-1730 (COOPERATION 2011). Team Leader: Prof. Pavlos S. Efraimidis. Institute of Speech Processing (IL), Athena - Research Centre for Innovation in Information, Communication and Knowledge Technologies, Xanthi branch, Xanthi (Greece) https://www.ilsp.gr/projects/atlas/
01/10/2010 - 31/10/2011 03/04/2012 - 31/07/2012	Associate Research Assistant Participation in the European FP7 research project SPICE (Space Internetworking Center) with project code 264226. Coordinator: Prof. Vassilis Tsaoussidis. Department of Electrical and Computer Engineering, Democritus University of Thrace, Xanthi (Greece). https://www.spice-center.org
01/07/2004 - 31/08/2004	Internship The subject of the internship was XML Language and Data Mining. Cultural and Educational Technology Institute (CETI), Xanthi (Greece) http://www.ipet.gr

4. Scientific and Research Activity

4.1. Participation in Competitions - Distinctions & Awards

- 2022, **First Prize**, International Federation for Medical and Biological Engineering (IFMBE), IFMBE Scientific Challenge Competition 2022 in conjunction with World Congress on Medical Physics and Biomedical Engineering (IUPESM WC 2022), Singapore

Supervisor and author of the Research Paper "Predicting Early Dropouts of an Active and Healthy Ageing App", <https://ifmbe.org/announcements/awards/2022-awards-recipients/>

- 2021, **Best score** in Average Hit Rate (AHR) and **best four** in the other evaluation metrics, CLEF eRisk - Early risk prediction on the Internet (<https://erisk.irlab.org>), Conference and Labs of the Evaluation Forum (CLEF 2021), Bucharest, Romania

Supervisor and author of the Research Paper "Transfer Learning for Automated Responses to the BDI Questionnaire", <http://ceur-ws.org/Vol-2936/paper-84.pdf>

- 2021, **Gold Award**, International Genetically Engineered Machine (iGEM) Competition 2021, USA

Advisor of the Research Group "NOUS 2021: EPIONE to make one less painful step treatment for Osteoarthritis", https://2021.igem.org/Team:Greece_United

- 2013, **2nd best team** in MRR and TBG metrics and **3rd best team** in P@5, Contextual Suggestion Track, Text REtrieval Conference (TREC 2013), National Institute of Standards and Technology (NIST), Gaithersburg, Maryland, USA

First author and lead contributor of the Research Paper "DUTH at TREC 2013 Contextual Suggestion Track", <https://trec.nist.gov/pubs/trec22/papers/DUTH-context.pdf>

4.2. Invited Talks

- G. Drosatos, "Federated Learning as a Mechanism for Distributed Model Training while Preserving Data Privacy", Archimedes Workshop on Modern Applications in Artificial Intelligence, Data Science, and Algorithms, Athens, Greece, 01 July 2022.
- G. Drosatos, "Introduction to Blockchain", Webinar - Introduction to Blockchain, EESTEC LC Xanthi, Department of HMI, DUTH, Xanthi, 19 February 2022.
- G. Drosatos, "Federated Learning as a Tool for Gathering Knowledge from Multiple Data Sources", XIV Foresight Training Course - The health emergency: regulatory crash and future perspectives, Virtual event organised by Fondazione per la Ricerca Farmacologica Gianni Benzi Onlus, Italy, 10 December 2021.
- G. Drosatos, "Together for a bBetter Internet", Safer Internet Day 2020, Thrace Technology Association, Alexandroupolis, 15 February 2020.
- G. Drosatos, "Internet Safety", AKADIMIA - Lifelong Learning Structure, Region of Eastern Macedonia & Thrace, Komotini, 12 February 2020.
- G. Drosatos, "Surfing Responsibly", Researcher's Night 2019, ATHENA Research Centre, Xanthi branch, 27 September 2019.
- G. Drosatos, "Current applications of Blockchain in the field of e-Health and presentation of practical examples", CyberSecurity Day, IEEE Student Branch, Department of HMI, DUTH, Xanthi, May 23, 2019.
- G. Drosatos, "Current Blockchain Applications in the Biomedical Domain and a Practical Example", Blockchain & Distributed Ledger Innovations for eHealth 2019 Symposium, Oslo, Norway, 09 April 2019.
- G. Drosatos, "Supporting cardio-renal disease based on personalized risk prediction", Supporting people with heart disease and the contribution of their caregivers, EPIONI - Greek Caregivers Network, Technopolis, Municipality of Athens, 03 May 2018.

4.3. Contribution to the Scientific Community

(Web of Science ResearcherID: [X-7252-2019](#))

4.3.1. Reviewer in International Scientific Journals and International Conferences

- **Reviewer of scientific papers in international scientific journals**
 - Computers & Security (CoSe), Elsevier
 - Data & Knowledge Engineering (DKE), Elsevier
 - International Journal of Distributed Sensor Networks (IJDSN), Hindawi
 - International Journal of Information Technologies and Systems Approach (IJITSA), IGI Global
 - Journal of Biomedical and Health Informatics (JBHI), IEEE
 - Security and Communication Networks (SCN), Wiley & Hindawi
 - Journal of Systems and Software (JSS), Elsevier
 - Transactions on Mobile Computing (TMC), IEEE
 - Transactions on the Web (TWEB), ACM
 - IEEE Access: The Multidisciplinary Open Access Journal (ACCESS), IEEE
 - Transactions on Systems, Man, and Cybernetics: Systems (Trans SMC), IEEE
 - Transactions on Information Forensics and Security (Trans IFS), IEEE
 - Computational and Structural Biotechnology Journal (CSBJ), Elsevier
 - Expert Systems with Applications (ESWA), Elsevier
 - Applied Sciences (ApplSci), MDPI
 - International Journal of Information Management (IJIM), Elsevier
 - Journal of Ambient Intelligence and Humanized Computing, Springer
 - International Journal of Environmental Research and Public Health (IJERPH), MDPI
 - Gates Open Research, F1000
 - PeerJ Computer Science, PeerJ
 - Artificial Intelligence Review, Springer
 - Sustainability, MDPI
 - International Journal of Medical Informatics (IJMEDI), Elsevier
 - Journal of Biomedical Informatics (JBI), Elsevier
 - IEEE Networking Letters (LNET), IEEE
 - Security and Privacy (SPY), Wiley
 - Distributed and Parallel Databases (DAPD), Springer
 - International Journal of Human-Computer Interaction (IJHCI), Taylor & Francis
 - Computer Speech & Language (YCSLA), Elsevier
 - International Journal of Information Security (IJIS), Springer
 - Health and Technology (HEAL), Springer
- **Reviewer of scientific papers in international conferences**

- INCOM 2021, 17th IFAC Symposium on Information Control Problems in Manufacturing, Elsevier, Budapest, Hungary, June 2021
- ARES 2020, 15th International Conference on Availability, Reliability and Security, ACM, Dublin, Ireland, August 2020
- AIME 2020, 18th International Conference on Artificial Intelligence in Medicine, Springer, Minneapolis, USA, August 2020
- IFAC 2020, 21st IFAC World Congress, Elsevier, Berlin, Germany, July 2020
- ISloT 2020, 2nd International Workshop on Intelligent Systems for the Internet of Things, IEEE, Los Angeles, California, USA, June 2020
- PCI 2019, 23rd Pan-Hellenic Conference on Informatics, ACM, Nicosia, Cyprus, November-November 2019
- CECC 2019, 3rd Central European Cybersecurity Conference, ACM, Munich, Germany, November 2019
- ARES 2019, 14th International Conference on Availability, Reliability and Security, ACM, Canterbury, United Kingdom, August 2019
- PCI 2018, 22nd Pan-Hellenic Conference on Informatics, ACM, Athens, Greece, November-December 2018
- ARES 2018, 13th International Conference on Availability, Reliability and Security, ACM, Hamburg, Germany, August 2018
- ESORICS 2017, 22nd European Symposium on Research in Computer Security, Springer, Oslo, Norway, September 2017
- SIGIR 2017, 40th International ACM SIGIR Conference on Research and Development in Information Retrieval, ACM, Tokyo, Japan, August 2017
- ARES 2017, 12th International Conference on Availability, Reliability and Security, ACM, Reggio Calabria, Italy, August 2017
- ESORICS 2016, 21st European Symposium on Research in Computer Security, Springer, Heraklion, Greece, September 2016
- ARES 2016, 11th International Conference on Availability, Reliability and Security, IEEE, Salzburg, Austria, September 2016
- PCI 2015, 19th Pan-Hellenic Conference on Informatics, ACM, Athens, Greece, October 2015
- ARES 2015, 10th International Conference on Availability, Reliability and Security, IEEE, Toulouse, France, August 2015
- SIGIR 2015, 38th International ACM SIGIR Conference on Research and Development in Information Retrieval, ACM, Santiago, Chile, August 2015
- ECIR 2015, 37th European Conference on Information Retrieval, Springer, Vienna, Austria, March 2015
- PCI 2014, 18th Pan-Hellenic Conference on Informatics, ACM, Athens, Greece, October 2014
- ARES 2014, 9th International Conference on Availability, Reliability and Security, IEEE, Fribourg, Switzerland, September 2014

- ECIR 2014, 36th European Conference on Information Retrieval, Springer, Amsterdam, Netherland, April 2014
- ARES 2013, 8th International Conference on Availability, Reliability and Security, IEEE, Regensburg, Germany, September 2013
- MUE 2013, 7th International Conference on Multimedia and Ubiquitous Engineering, Springer, Seoul, Korea, May 2013
- ECIR 2013, 35th European Conference on Information Retrieval, Springer, Moscow, Russia, March 2013
- PCI 2012, 16th Pan-Hellenic Conference on Informatics, IEEE, Piraeus, Greece, October 2012
- PCI 2011, 15th Pan-Hellenic Conference on Informatics, IEEE, Kastoria, Greece, September 2011
- PCI 2010, 14th Pan-Hellenic Conference on Informatics, IEEE, Tripoli, Greece, September 2010

4.3.2. Technical Committees of International Scientific Journals and Conferences

- **Committees of international scientific journals**
 - Editorial Review Board, Computational and Structural Biotechnology Journal (CSBJ), Elsevier
 - Associate Editor, Intelligent Decision Technologies (IDT), IOS Press
 - Topical Advisory Panel, Applied Sciences (ApplSci), MDPI
- **Member of the program committees in international conferences**
 - WWW 2026, The Web Conference (formerly known as the International World Wide Web Conference, ACM, Dubai, United Arab Emirates, April 2026
 - BigData 2025, IEEE International Conference on Big Data, IEEE, Macau SAR, China, December 2025
 - ICDM 2025, 25th IEEE International Conference on Data Mining, IEEE, Washington DC, USA, November 2025
 - SECURWARE 2025, 19th International Conference on Emerging Security Information, Systems and Technologies, IARIA, Barcelona, Spain, October 2025
 - CMBEBIH 2025, 6th International Conference on Medical and Biological Engineering in Bosnia and Herzegovina, Springer, Sarajevo, Bosnia and Herzegovina, September 2025.
 - SP2I 2025, 5th International Workshop on Security and Privacy in Intelligent Infrastructures, held in conjunction with the 20th International Conference on Availability, Reliability and Security (ARES 2025), Springer, Ghent, Belgium, August 2025
 - HEALTHINF 2025, 18th International Conference on Health Informatics, part of BIOSTEC, INSTICC, Porto, Portugal, February 2025
 - BigData 2024, IEEE International Conference on Big Data, IEEE, Washington DC, USA, December 2024
 - SECURWARE 2024, 18th International Conference on Emerging Security Information, Systems and Technologies, IARIA, Nice, France, November 2024

- CIKM 2024, 33rd International Conference on Information and Knowledge Management, ACM, Boise, Idaho, USA, October 2024
- GBC 2024, IEEE Global Blockchain Conference, IEEE, Shanghai, China, August 2024
- EMBEC 2024, 9th European Medical and Biological Engineering Conference, Springer, Portoroz, Slovenia, June 2024
- ICDCS 2024, 44th IEEE International Conference on Distributed Computing Systems, IEEE, New Jersey, USA, July 2024
- SP2I 2024, 4th International Workshop on Security and Privacy in Intelligent Infrastructures, held in conjunction with the 19th International Conference on Availability, Reliability and Security (ARES 2024), ACM, Vienna, Austria, August 2024
- HEALTHINF 2024, 17th International Conference on Health Informatics, part of BIOSTEC, INSTICC, Rome, Italy, February 2024
- CIKM 2023, 32nd International Conference on Information and Knowledge Management, ACM, Birmingham, UK, October 2023
- SECURWARE 2023, 17th International Conference on Emerging Security Information, Systems and Technologies, IARIA, Porto, Portugal, September 2023
- SP2I 2023, 3rd International Workshop on Security and Privacy in Intelligent Infrastructures, held in conjunction with the 18th International Conference on Availability, Reliability and Security (ARES 2023), ACM, Benevento, Italy, August 2023
- HEALTHINF 2023, 16th International Conference on Health Informatics, part of BIOSTEC, INSTICC, Lisbon, Portugal, February 2023
- CIKM 2022, 31st International Conference on Information and Knowledge Management, ACM, Atlanta, Georgia, USA, October 2022
- SECURWARE 2022, 16th International Conference on Emerging Security Information, Systems and Technologies, IARIA, Lisbon, Portugal, October 2022
- SP2I 2022, 2nd International Workshop on Security and Privacy in Intelligent Infrastructures, held in conjunction with the 17th International Conference on Availability, Reliability and Security (ARES 2022), ACM, Vienna, Austria, August 2022
- ISIoT 2022, 4th International Workshop on Intelligent Systems for the Internet of Things, part of DCOSS, IEEE, Marina Del Rey, LA, California, USA, May-June 2022
- HEALTHINF 2022, 15th International Conference on Health Informatics, part of BIOSTEC, INSTICC, Vienna, Austria, February 2022
- SECURWARE 2021, 15th International Conference on Emerging Security Information, Systems and Technologies, IARIA, Athens, Greece, November 2021
- CIKM 2021, 30th International Conference on Information and Knowledge Management, ACM, Gold Coast, Queensland, Australia, November 2021
- SP2I 2021, International Workshop on Security and Privacy in Intelligent Infrastructures, held in conjunction with the 16th International Conference on Availability, Reliability and Security (ARES 2021), ACM, All-digital Conference, August 2021
- HEALTHINF 2021, 14th International Conference on Health Informatics, part of BIOSTEC, INSTICC, Online Streaming, February 2021
- CIKM 2020, 29th International Conference on Information and Knowledge Management, ACM, Galway, Ireland, October 2020

- HEALTHINF 2020, 13th International Conference on Health Informatics, part of BIOSTEC, INSTICC, Valletta, Malta, February 2020
- HEALTHINF 2019, 12th International Conference on Health Informatics, part of BIOSTEC, INSTICC, Prague, Czech Republic, February 2019
- TurkMIA 2018, 11th Annual Congress of Turkish Medical Informatics Association, Ankara, Turkey, November 2018
- CIKM 2018, 27th International Conference on Information and Knowledge Management, ACM, Turin, Italy, October 2018
- EMF & HEALTH 2018, 1st International Symposium "ELECTROMAGNETIC FIELDS (EMFs) and HEALTH", Athens, Greece, September 2018
- HEALTHINF 2018, 11th International Conference on Health Informatics, part of BIOSTEC, INSTICC, Funchal, Madeira-Portugal, January 2018
- CIKM 2017, 26th International Conference on Information and Knowledge Management, ACM, Singapore, November 2017
- SIGIR 2017, 40th International ACM SIGIR Conference on Research and Development in Information Retrieval, ACM, Tokyo, Japan, August 2017
- ARES 2013, 8th International Conference on Availability, Reliability and Security, IEEE, Regensburg, Germany, September 2013

4.3.3. Guest Editor in International Scientific Journals

- Special Issue on "[Advances in Artificial Intelligence and Big Data in Smart Environments](#)", Applied Sciences, MDPI, 2026
- Special Issue on "[Advanced Technologies in Data and Information Security, Fourth Edition](#)", Applied Sciences, MDPI, 2025
- Special Issue on "[Intelligent Systems and Information Security](#)", Applied Sciences, MDPI, 2025
- Special Issue on "[Security and Privacy Solutions for Biomedical Human-Cyber-Physical Systems](#)", Computational and Structural Biotechnology Journal (CSBJ), Elsevier, 2024
- Special Issue on "[Interdisciplinary Perspectives for Socio-Technical Cybersecurity Threats](#)", International Journal of Information Security, Springer, 2024
- Special Issue on "[Advanced Technologies in Data and Information Security III](#)", Applied Sciences, MDPI, 2024
- Special Issue on "[Deep Learning in Intrusion Detection of Cyberattacks for E-Health Applications](#)", Journal of Biomedical and Health Informatics, IEEE, 2024
- Special Issue on "[Federated and Transfer Learning Applications](#)", Applied Sciences, MDPI, 2023
- Special Issue on "[Advanced Technologies in Data and Information Security II](#)", Applied Sciences, MDPI, 2023
- Special Issue on "[Advances in Cyber Threat Intelligence 2022](#)", Security and Communication Networks, Wiley & Hindawi, 2022
- Special Issue on "[Advanced Technologies in Data and Information Security](#)", Applied Sciences, MDPI, 2022
- Special Issue on "[Advances in Cyber Threat Intelligence](#)", Security and Communication Networks, Wiley & Hindawi, 2021

- Research Topic on "[Security and Privacy on Blockchain-based AI](#)", Frontiers in Blockchain, Frontiers, 2021

4.3.4. Organization of Scientific Conferences

- EICC 2024, European Interdisciplinary Cybersecurity Conference, ACM, Xanthi, Greece, 5-6 June 2024

4.3.5. Participation in Scientific and Professional Organizations

- Secretary General of the European Alliance for Medical and Biological Engineering & Science ([EAMBES](#))
- Member of the Association for Computing Machinery ([ACM](#))
- Member of the Institute for Systems and Technologies of Information, Control and Communication ([INSTICC](#))
- Member of the Institute of Electrical and Electronics Engineers ([IEEE](#))
- Member of the Hellenic Society of Biomedical Technology ([EΛEBIT](#))
- Member of the Technical Chamber of Greece ([TEE](#))

4.4. Teaching Activities

4.4.1. Responsible for Teaching

- Teaching postgraduate university courses
 - **Security and Privacy Issues in Immersive Technologies**, MSc in "Immersive Technologies - Innovation in Education, Training and Game Design (Distance Learning)", Department of Computer Science, International Hellenic University, Kavala, Greece (2021-2026, winter semester, 4 academic years)
 - **Security and Privacy in Cyber-Physical Systems**, MPhil in "Advanced Technologies in Informatics and Computers", Department of Computer Science, International Hellenic University, Kavala, Greece (2018-2026, first semester, 8 academic years)
 - **Data Analytics**, MSc in "Digital Humanities", National and Kapodistrian University of Athens – Athena Research Center – University of Cyprus, Athens (2024-2026, winter semester, 2 academic years)
 - **Database Systems**, MSc in "Digital Humanities", National and Kapodistrian University of Athens – Athena Research Center – University of Cyprus, Athens (2024-2026, spring semester, 2 academic years)
 - **Data Security and Privacy**, MSc in "Biomedical Informatics", School of Medicine, Democritus University of Thrace and Athena Research Centre, Alexandroupoli, Greece (2022-2025, winter semester, 3 academic years)
 - **Retrieval and Information Extraction from Biomedical Texts**, MSc in "Biomedical Informatics", School of Medicine, Democritus University of Thrace and Athena Research Centre, Alexandroupoli, Greece (2022-2025, spring semester, 3 academic years)
 - **Health Technology Quality Assurance and Assessment**, MSc in "Research and Innovation in Health Sciences", School of Medicine, Democritus University of Thrace, Alexandroupoli, Greece (2023-2025, first semester, 2 academic years)

- **Information Systems Analysis and Design**, MSc in "Information Systems and Digital Innovation (Distance Learning)", Department of Informatics, Neapolis University, Paphos, Cyprus (2019-2023, first semester, 4 academic years)
- **Applied Cryptography**, MPhil-in "Advanced Technologies in Informatics and Computers", Department of Computer Science, International Hellenic University, Kavala, Greece (2018-2021, fall semester, 3 academic years)
- **Teaching undergraduate university courses¹**
 - **Law and Ethics of Computing** (719EΔEE), Department of Informatics, Democritus University of Thrace, Kavala (2025 - 2026, winter semester, 1 academic year).
 - **Computer Systems Security** (5Θ38), Department of Electrical and Computer Engineering, Democritus University of Thrace, Xanthi (2016-2020, winter semester, 4 academic years).
 - **Cryptography** (5H70), Department of Electrical and Computer Engineering, Democritus University of Thrace, Xanthi (2016 - 2017 & 2018 - 2020, spring semester, 3 academic years).
 - **Software Engineering** (5Z9), Department of Electrical and Computer Engineering, Democritus University of Thrace, Xanthi (2018 - 2020, first semester, 2 academic years).
 - **Information Systems in Health** (IATRA3O6), School of Medicine, Democritus University of Thrace, Alexandroupoli, Greece (2017 - 2018, first semester, 1 academic year).

4.4.2. Laboratory Teaching (as teaching assistant, total 1605 hours)

- **Cryptography**, Vasilis Katos, Professor, Department of Electrical and Computer Engineering, Democritus University of Thrace, Xanthi (2012 - 2013, first semester, 1 academic year).
- **Data Structures**, Pavlos S. Efraimidis, Professor, Department of Electrical and Computer Engineering, Democritus University of Thrace, Xanthi (2012 - 2013, winter semester, 1 academic year).
- **Introduction to Computer Science**, Vassilis Tsaoussidis, Professor, Department of Electrical and Computer Engineering, Democritus University of Thrace, Xanthi (2010 - 2012, winter semester, 2 academic years).
- **Information Retrieval and Data Mining**, Avi Arampatzis, Professor, Department of Electrical and Computer Engineering, Democritus University of Thrace, Xanthi (2011 - 2012, spring semester, 1 academic year).
- **Databases**, Avi Arampatzis, Professor, Department of Electrical and Computer Engineering, Democritus University of Thrace, Xanthi (2007 - 2011, fall semester, 4 academic years).
- **Operating Systems**, Vasilis Katos, Professor, Department of Electrical and Computer Engineering, Democritus University of Thrace, Xanthi (2008 - 2011, winter semester, 3 academic years).
- **Advanced Databases**, Pavlos S. Efraimidis, Professor, Department of Electrical and Computer Engineering, Democritus University of Thrace, Xanthi (2009 - 2010, winter semester, 1 academic year).
- **Computer Security Systems**, Vasilis Katos, Professor, Department of Electrical and Computer Engineering, Democritus University of Thrace, Xanthi (2009 - 2010, winter semester, 1 academic year).

¹ in the framework of the Action "Acquisition of Academic Experience for Young Scientists with a PhD" (MIS code: 5000737, 5008096, 5030334 and 5045567).

- **Computer Programming I (Fortran)**, Alexandros Karakos, Professor, Department of Electrical and Computer Engineering, Democritus University of Thrace, Xanthi (2008 - 2009, winter semester, 1 academic year).
- **Structured Programming III (Java)**, Pavlos S. Efraimidis, Professor, Department of Electrical and Computer Engineering, Democritus University of Thrace, Xanthi (2007 - 2008, first semester, 1 academic year).

4.4.3. Supervision of PhD Theses

- **PhD Candidate:** Nikolaos Pavlidis, **PhD thesis topic:** Optimizing Responsible Decentralized Machine Learning Methods for Artificial Intelligence, **Date of topic definition:** September 2022, **Supervisor:** Pavlos S. Efraimidis, Prof. of the Dept. of EECE, DUTH, **Member of a seven-member examination committee:** George Drosatos, Principal Researcher, ILSP, ATHENA RC.
- **PhD candidate:** Periklis Kostamis, **PhD thesis topic:** Efficient Decentralized Applications on Blockchain Infrastructures, **Date of topic definition:** December 2023, **Supervisor:** Pavlos S. Efraimidis, Prof. of the Dept. of EECE, DUTH, **Member of three-member committee:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC.
- **PhD Candidate:** Christoforos Spartalis, **PhD thesis topic:** Machine Learning and Privacy Enhancement Techniques for Biomedical Data Analysis, **Date of topic definition:** January 2022, **Supervisor:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC, **Doctoral Thesis preparation body:** School of Medicine, DUTH.
- **PhD candidate:** Anastasia Dimakopoulou, **PhD thesis topic:** Management of Personal Data Processing Settings in the Internet of Things, **Date of topic definition:** May 2021, **Supervisor:** Konstantinos Rantos, Prof. of the Dept. of Computer Science, IHU, **Member of three-member committee:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC.
- **PhD Candidate:** Vasileios Perifanis, **PhD thesis topic:** Privacy Protection in Computation and Machine Learning in Decentralized Data, **Date of topic definition:** November 2020, **Supervisor:** Pavlos S. Efraimidis, Prof. of the Dept. of EECE, DUTH, **Member of a three-member committee:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC.
- **PhD Candidate:** Andreas Sendros, **PhD thesis topic:** Efficient Computation Execution in a Blockchain Infrastructure Environment, **Date of topic definition:** February 2020, **Supervisor:** Pavlos S. Efraimidis, Prof. of the Dept. of EECE, DUTH, **Contribution and support:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC.
- **PhD candidate:** Charalampos Ntompras, **PhD thesis topic:** Medical Data Analysis for Precision Medicine, **Date of topic definition:** December 2019, **Supervisor:** Eleni Kaldoudi, Prof. of School of Medicine, DUTH, **Contribution and support:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC.
- **PhD Candidate:** Spyridon Kavvadias, **PhD thesis topic:** Semantic Representation, Processing and Analysis of Digital Data in e-Health Systems, **Date of topic definition:** March 2016, **Supervisor:** Eleni Kaldoudi, Prof. of School of Medicine, DUTH, **Contribution and support:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC.
- **PhD Candidate:** Konstantinos Zagganas, **PhD thesis topic:** Scalable Data-Centric Enrichment Analysis in Short Length RNA, **Date of topic definition:** November 2014, **Supervisor:** Spyridon Skiadopoulos, Prof. of Dept. of Informatics and Telecommunications, University of Peloponnese, **Member of a seven-member examination committee:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC.

4.4.4. Supervision of Master Theses

- **Postgraduate student:** Dimitrios Pechlivanis, **Master thesis topic:** Diagnostic imaging data collection, labelling and FAIRification, **Date of topic definition:** December 2023, **Supervisor:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC.
- **Postgraduate student:** Maria Didaskalou, **Master thesis topic:** AI approaches in vascular ultrasound imaging, **Date of topic definition:** December 2023, **Supervisor:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC.
- **Postgraduate student:** Iordanis Arnidis, **Master thesis topic:** AI techniques for detecting vessels in ultrasound images, **Date of topic definition:** December 2023, **Supervisor:** Giorgos-Alexis Ioannakis, Assistant Researcher, ILSP, ATHENA RC, **Member of a three-member committee:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC.
- **Postgraduate student:** Athanasios Doupas, **Master thesis topic:** Machine learning techniques for lower limb activity recognition via electromyography sensor networks, **Date of topic definition:** December 2023, **Supervisor:** Eleni Kaldoudi, Professor, School of Medicine, DUTH, **Member of a three-member committee:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC.
- **Postgraduate student:** Georgios Kourtidis, **Master thesis topic:** Machine learning techniques for lower limb activity recognition via inertial sensor networks, **Date of topic definition:** December 2023, **Supervisor:** Eleni Kaldoudi, Professor, School of Medicine, DUTH, **Member of a three-member committee:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC.
- **Postgraduate student:** Dafni Panopoulou, **Master thesis topic:** Machine learning techniques for emotional condition recognition based on signals from wearables, **Date of topic definition:** December 2023, **Supervisor:** Eleni Kaldoudi, Professor, School of Medicine, DUTH, **Member of a three-member committee:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC.
- **Postgraduate student:** Ioannis Tsakiridis, **Master thesis topic:** Machine learning techniques for vocal outcome prediction after thyroid and parathyroid surgery based on intraoperative neuromonitoring measurements, **Date of topic definition:** December 2023, **Supervisor:** Eleni Kaldoudi, Professor, School of Medicine, DUTH, **Member of a three-member committee:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC.
- **Postgraduate student:** Soumela Stogia, **Master thesis topic:** Technologies for detecting black money laundering in the era of cryptocurrencies, **Date of completion:** February 2023, **Supervisor:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC and SEP, Neapolis University Paphos.
- **Postgraduate student:** Konstantinos Siopidis, **Master thesis topic:** Support technologies for students with special educational needs, **Date of completion:** February 2023, **Supervisor:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC and SEP, Neapolis University Paphos.
- **Postgraduate student:** Theodoros Papadopoulos, **Master thesis topic:** Artificial Intelligence and Machine Learning in the Tourism Sector, **Date of completion:** June 2023, **Supervisor:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC and SEP, Neapolis University Paphos.
- **Postgraduate student:** Dimitrios Ratopoulos, **Master thesis topic:** Digital innovation and digital transformation processes in Greek enterprises, **Date of completion:** June 2023, **Supervisor:** Konstantinos Zagoris, Lecturer, Dept. of Informatics, Neapolis University Paphos, **Member of a three-member committee:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC.

- **Postgraduate student:** Konstantinos Kaltakis, **Master thesis topic:** Analysis of Ethereum blockchain applications for Ponzi fraud detection, **Date of completion:** March 2023, **Supervisor:** Pavlos S. Efraimidis, Prof. of the Dept. of EECE, DUTH, **Member of a three-member committee:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC.
- **Postgraduate student:** Ioanna Anastasaki, **Master thesis topic:** Use of Immersive Technologies in User Authentication, **Date of completion:** September 2023, **Supervisor:** Konstantinos Rantos, Prof. of the Dept. of Computer Science, IHU, **Member of the three-member committee:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC.
- **Postgraduate student:** Ioannis Lykidis, **Master thesis topic:** Blockchain in e-government, **Date of completion:** May 2022, **Supervisor:** Konstantinos Rantos, Prof. of the Dept. of Computer Science, IHU, **Member of the three-member committee:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC.
- **Postgraduate student:** Konstantinos Kaltakis, **Master thesis topic:** The use of blockchain technologies for the protection of personal data processing, **Date of completion:** May 2022, **Supervisor:** Konstantinos Rantos, Prof. of the Dept. of Computer Science, IHU, **Member of the three-member committee:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC.
- **Postgraduate student:** Tareq Dababneh, **Master thesis topic:** Adopting Remote Work Technology due to the Pandemic: One Size Does Not Fit All, **Date of completion:** February 2022, **Supervisor:** Melina Moleski, SEP, Neapolis University Paphos, **Member of the three-member committee:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC.
- **Postgraduate student:** Georgia Litsi, **Master thesis topic:** Review of the Latest Challenges and Prospects for Smart Cities, **Date of completion:** February 2022, **Supervisor:** Vassos Vassiliou, Prof. of the Dept. of Informatics, University of Cyprus and SEP, Neapolis University Paphos, **Member of a three-member committee:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC.
- **Postgraduate student:** Nausika Gatsiou, **Master thesis topic:** Extensive Stakeholder Research and Customer Journey Map Creation for Smart City Applications, **Date of completion:** February 2022, **Supervisor:** Vassos Vassiliou, Prof. of the Dept. of Informatics, University of Cyprus and SEP, Neapolis University Paphos, **Member of a three-member committee:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC.
- **Postgraduate student:** Evangelos Lambropoulos, **Master thesis topic:** Review of Privacy Solutions in the Internet of Medical Things (IMoT), **Date of completion:** January 2022, **Supervisor:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC and SEP, Neapolis University Paphos.
- **Postgraduate student:** Isidora Tasidou, **Master thesis topic:** Review of Privacy Solutions for the Tourism Information Recommendation, **Date of completion:** June 2021, **Supervisor:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC and SEP, Neapolis University Paphos.
- **Postgraduate student:** Simela Papaevangelou, **Master thesis topic:** Review of Federated Learning Applications in e-Health, **Date of completion:** June 2021, **Supervisor:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC and SEP, Neapolis University Paphos.
- **Postgraduate student:** Michalis Koilaras, **Master thesis topic:** The role of security and Privacy Enhancing Technologies for the adoption of Cloud Computing by the Financial Sector, **Date of completion:** June 2021, **Supervisor:** Aimilia Tasidou, Researcher, Télécom SudParis, Institut Polytechnique de Paris, France and SEP, Neapolis University Paphos, **Member of a three-member committee:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC.

- **Postgraduate student:** Nikolaos Vardaris, **Master thesis topic:** Design and Implementation of an Application for Collection and Visualization of Epidemiological Data Using Privacy Protection Technologies: Use Case for COVID-19 Virus, **Date of completion:** January 2021, **Supervisor:** Aimilia Tasidou, Researcher, Télécom SudParis, Institut Polytechnique de Paris, France and SEP, Neapolis University Paphos, **Member of a three-member committee:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC.
- **Postgraduate student:** Fotios Chatsioudis, **Master thesis topic:** Privacy-enhanced management of large personal data collections, **Date of completion:** January 2015, **Supervisor:** Pavlos S. Efraimidis, Prof. of the Dept. of EECE, DUTH, **Contribution and support:** George Drosatos, Postdoctoral Researcher, DUTH.
- **Postgraduate student:** Giorgos Stamatelatos, **Master thesis topic:** Algorithmic techniques for influence dynamics in social networks, **Date of completion:** July 2014, **Supervisor:** Pavlos S. Efraimidis, Prof. of the Dept. of EECE, DUTH, **Contribution and support:** George Drosatos, Postdoctoral Researcher, DUTH.

4.4.5. Supervision of Internships and Undergraduate Theses

- **Supervision of Undergraduate Theses**
 - **Undergraduate student:** Theodoros Tsolakis, **Thesis topic:** Recognition of Misinformation on Health Issues on the Internet, **Date of completion:** September 2023, **Supervisor:** Avi Arampatzis, Prof. of the Dept. of EECE, DUTH, **Contribution and support:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC.
 - **Undergraduate student:** Anastasios Kaltakis, **Thesis topic:** Detection of Cyber Attacks Using Machine Learning Techniques, **Date of completion:** June 2023, **Supervisor:** Avi Arampatzis, Prof. of the Dept. of EECE, DUTH, **Contribution and support:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC.
 - **Undergraduate student:** Iordanis Arnidis, **Thesis topic:** Detection of Patronymic Language in News, **Date of completion:** October 2022, **Supervisor:** Avi Arampatzis, Prof. of the Dept. of EECE, DUTH, **Contribution and support:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC.
 - **Undergraduate student:** Ioannis Zikos, **Thesis topic:** Design and Development of a Real Blockchain Network based on Hyperledger Fabric, **Date of completion:** March 2022, **Supervisor:** Pavlos S. Efraimidis, Prof. of the Dept. of EECE, DUTH, **Contribution and support:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC.
 - **Undergraduate student:** Christoforos Spartalis, **Thesis topic:** Early Risk Prediction on the Internet, **Date of completion:** September 2021, **Date of completion:** October 2022, **Supervisor:** Avi Arampatzis, Prof. of the Dept. of EECE, DUTH, **Contribution and support:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC.
- **Supervision of student internships**
 - **Intern:** Nefeli Zikou, **Internship topic:** Programming of Electronic and Personal Motion Recognition Sensors, **Period:** April-May 2024, **Supervisor:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC.
 - **Intern:** Eftychia Korona, **Internship topic:** Engagement within the Framework of the CODECO Project with an Emphasis on Cloud Computing Technologies, **Period:** July-August 2023, **Supervisor:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC.

- **Intern:** Petros Chatzitoulousis, **Internship topic:** Interaction of IoT Microdevices with Blockchain Infrastructures, **Period:** July-September 2022, **Supervisor:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC.
- **Intern:** Iordanis Arnidis, **Internship topic:** Machine Learning Applications in Text Data, **Period:** July-August 2022, **Supervisor:** George Drosatos, Assistant Researcher, ILSP, ATHENA RC.

4.4.6. Other Educational Activities

- Coordinator of the DUTH team of the Department of Electrical and Computer Engineering, Democritus University of Thrace in the National Cyber Defence Exercise "**PANOPTIS 2018**". The team consisted of 11 students in total and participated in the first 4 episodes of the exercise ((1) Web Application, (2) Windows Forensics, (3) Linux Forensics and (4) Network Forensics). The DUTH team's participation was successfully carried out, presented excellent results and even with quite good solutions.

4.5. Research and Development Programs

4.5.1. Participation in European and International Programmes

- [EUP-1] **ThromBUS+**: Wearable Continuous Point-of-Care Monitoring, Risk Estimation and Prevention for Deep Vein Thrombosis (<https://thrombus.eu>), **Framework:** EU HORIZON-HLTH-2023-TOOL-05-05, Grant no. 101137227, **Total Consortium Funding:** 9.565.763,75€, **Funding for the ILSP – ATHENA RC:** 837.500€, **Start and End Date:** 01/01/2024 - 30/06/2027, **Project Scope:** Development of a novel wearable diagnostic device using autonomous AI-based detection of deep vein thrombosis (DVT). This device integrates wearable ultrasound, impedance plethysmography and light reflectance rheography (LRR) for direct thrombus detection. The patient's activity and physiological measurements will continuously assess DVT risk, providing real-time decision support. **Role and Scope of Work:** Work Package Leader for automated assessment, detection and prevention of DVT risk.
- [EUP-2] **FLORA**: Federated Learning Ovulation tRacking App with Reward System (<http://flora.athenarc.gr>), **Framework:** Open Call 3 of NGI TrustChain Project, EU HORIZON-CL4-2022-HUMAN-01, Grant no. 101093274, **Total Consortium Funding:** 115.000€, **Funding for the ILSP – ATHENA RC:** 85.000€, **Start and End Date:** 06/2024 - 02/2025, **Project Scope:** The aim of the project is to develop a user-oriented mobile device application for accurate monitoring of ovulation, providing control of private data and making use of artificial intelligence. The proposed solution attaches great importance to ensuring user privacy, and machine learning transparency and accountability through cutting-edge techniques (federated learning, homomorphic encryption, and blockchain), ensuring that users can use the FLORA app for their health and wellness needs. **Role and Scope of Work:** Assistant Researcher on privacy, data security, and homomorphic encryption techniques.
- [EUP-3] **GR digiGOV-innoHUB**: The Greek digital Government and Public Services innovation HUB (<https://digigov.innohub.gr>), **Framework:** EU DIGITAL-2021-EDIH-01, Grant no. 101083646 and ERDF Programmes, **Total Consortium Funding:** 3.900.000€, **Funding for the C ATHENA RC:** 400.000€, **Start and End Date:** 01/2023 - 12/2025, **Project Scope:** The project aims to create the conditions for the development of new generation Public Services for Central Administration, Local Government and productive sectors of the economy, leveraging advanced technologies such as AI, Blockchain, IoT, mobile Internet,

Cloud and High Performance Computing, with open software, open data and open standards. **Role and Scope of Work:** Assistant Researcher in blockchain technologies.

- [EUP-4] **SmartAttica-AtHeNAI:** Smart Attica DIH, the Attica region - Greek Innovation hub for Artificial Intelligence in Energy and Environment, Supply chain and mobility, Culture and Tourism (<https://www.smartattica.eu>), **Framework:** EU DIGITAL-2021-EDIH-01, Grant no. 101083565 and ERDF Programmes, **Total Consortium Funding:** 3.750.000€, **Funding for the ATHENA RC:** 350.000€, **Start and End Date:** 01/2023 – 12/2025, **Project Scope:** The project aims to support digital transformation and disseminate the latest developments in the fields of Artificial Intelligence (AI), High Performance Computing (HPC) and Cybersecurity, both in SMEs and in public administration. **Role and Scope of Work:** Assistant Researcher for cybersecurity issues.
- [EUP-5] **SUSANNA:** Secure immUtable System based on blockchAiN for water management smart coNtrActs (<https://terminet-h2020.eu/open-call-winners/>), **Framework:** Open call (Topic 3) 2022 of TERMINET Project, EU H2020-ICT-2020-1, Grant no. 957406, **Total Consortium Funding:** 99.869,60€, **Funding for the ILSP – ATHENA RC:** 44.999,60€, **Start and End Date:** 01/07/2023 - 05/11/2023, **Project Scope:** Focuses on creating a secure blockchain network (making use of Hyperledger Fabric) for IoT hydrometer authentication, data non-tampering and using Ricardian contracts to automate legal processes. **Role and Scope of Work:** Assistant Researcher in data security issues using blockchain technologies.
- [EUP-6] **SoBigData RI PPP:** SoBigData Research Infrastructure Preparatory Phase Project (<https://ppp.sobigdata.eu>), **Framework:** EU HORIZON-INFRA-2021-DEV-02-01, Grant no. 101079043, **Total Consortium Funding:** 3.222.266,25€, **Funding for the ILSP – ATHENA RC:** 50.625€, **Start and End Date:** 01/10/2022 - 30/09/2025, **Project Scope:** The preparatory phase of SoBigData will take the research infrastructure from simply reporting on the ethical and legal challenges of social mining to developing concrete tools that work ethically by design, incorporating values and norms for privacy, fairness, transparency and pluralism. **Role and Scope of Work:** Deputy Principal Investigator with areas of interest that include social data analysis using computational methods.
- [EUP-7] **CARRE:** Personalized patient empowerment and shared decision support for cardiorenal disease and comorbidities (<https://www.carre-project.eu>), **Framework:** EU FP7-ICT-2013-10, Grant no. 611140, **Total Consortium Funding:** 3.210.470€, **Funding for the DUTH:** 507.322€, **Start and End Date:** 01/11/2013 - 31/10/2016, **Project Scope:** Investigation of information and communication technologies for the empowerment of patients with comorbidities (multiple co-existing medical conditions) or individuals at increased risk of such health conditions, especially in the case of patients with chronic heart and kidney disease. **Role and Scope of Work:** Associate Researcher and Project Manager on privacy, modelling, data analysis and retrieval.
- [EUP-8] **SPICE :** Space Internetworking Center (<http://www.spice-center.org>), **Framework:** EU FP7-REGPOT-2010-1, Grant no. 264226, **Total Consortium Funding:** 1.546.072€, **Funding for the DUTH:** 1.379.014,20€, **Start and End Date:** 01/10/2010 - 30/06/2014, **Project Scope:** Includes Space and Earth protocol technologies, mission requirements and planning strategies, distributed applications for space data, mechanisms and algorithms for space data processing, including security issues. **Role and Scope of Work:** Associate Research Assistant on data security and privacy issues.

4.5.2. Participation in National Programmes

- [GRP-1] **JustReDI:** Resilience, Inclusion and Development: Towards a Just Green and Digital Transition for Greek Regions (<https://www.justredi.gr>), **Framework:** Action "Flagship actions in interdisciplinary scientific areas of special interest for the connection to the

productive fabric", National Recovery and Resilience Plan Greece 2.0 with funding from the European Union - NextGenerationEU, TAEDR-0537352, **Total Consortium Funding:** 4.915.000€, **Funding for the ATHENA RC:** 899.900,01€, **Start and End Date:** 21/06/2023 - 20/10/2025, **Project Scope:** The project focuses on (a) assessing the current situation in Greece, (b) recording the views, attitudes, value orientations and behavioural dispositions of both the general public and individual social groups, (c) providing technological solutions and tools to support policy proposals, and (d) the contents of public policies regarding the positive impacts and negative impacts of transitions, so that digital transformation and green transition can be achieved in terms of equity, resilience, sustainable development and social inclusion. **Role and Scope of Work:** Deputy Principal Investigator and coordinator of all the teams of the Athena RC.

- [GRP-2] **THALIA:** Digital Toolkit for the Analysis, Promotion and Protection of the Hellenic Cultural Heritage in Small Cultural Organisations (<https://thalia.athenarc.gr>), **Framework:** Action "RESEARCH - CREATE - INNOVATE" co-funded by the European Regional Development Fund (ERDF) of the European Union and national resources through the Competitiveness, Entrepreneurship & Innovation Programme. Innovation (EPANEK), T2EDK-01018, MIS 5131351, **Total Consortium Funding:** 611.496€, **Funding for the ILSP – ATHENA RC:** 173.540€, **Start and End Date:** 29/07/2021 - 28/11/2023, **Project Scope:** Focuses on the implementation of a sophisticated digital toolkit for the analysis of the assets of cultural institutions and the development of good practices of exploitation and sustainability, in order to achieve effectively the effective protection of the Greek cultural heritage. **Role and Scope of Work:** Assistant Researcher in security and privacy issues of immersive technologies.
- [GRP-3] **CAnTi:** Innovative Methodology for the Integrated Diagnosis, Conservation, Documentation and Promotion of Mycenaean Walls (<http://canti.athenarc.gr>), **Framework:** Special Actions "Aquaculture" - "Industrial Materials" - "Open Innovation in Culture" co-financed by the European Regional Development Fund (ERDF) of the European Union and National resources through the Competitiveness, Entrepreneurship & Innovation Programme (CIP). Innovation (EPANEK), T6YBΠ-00271, MIS 5056234, **Total Consortium Funding:** 751.130€, **Funding for the ILSP – ATHENA RC:** 125.432€, **Start and End Date:** 28/02/2020 - 27/02/2023, **Project Scope:** Design and implementation of an augmented reality application that digitally completes the form of historical and cultural monuments that have suffered significant damage and therefore have altered their characteristics, with 3D graphics that represent the structures of the missing monuments. **Role and Scope of Work:** Assistant Researcher on security and privacy issues of immersion technologies.
- [GRP-4] **EYRINOMI:** Technological Framework for the Documentation and Promotion of Human Creativity and Culture at the Archaeological Museum of Patras (<http://evrinomi.athenarc.gr>), **Framework:** Special Actions "Aquaculture" - "Industrial Materials" - "Open Innovation in Culture" co-funded by the European Regional Development Fund (ERDF) of the European Union and National resources through the Competitiveness, Entrepreneurship & Innovation (EPANEK), T6YBΠ-00166, MIS 5048493, **Total Consortium Funding:** 522.413€, **Funding for the ILSP – ATHENA RC:** 138.733€, **Start and End Date:** 11/10/2019 - 10/10/2023, **Project Scope:** It aims at developing and promoting an emblematic project using advanced technologies in the visited areas and laboratories of the Archaeological Museum of Patras, as well as in the specially designed Dome-Multimedia Hall, which has been specially constructed with the provision to host digital applications. **Role and Scope of Work:** Assistant Researcher on security and privacy issues of immersion technologies.
- [GRP-5] **Agro4+:** Holistic Approach to Agriculture 4.0 for Young Farmers (<https://agro4plus.eu>), **Framework:** Call for proposals entitled "Support for Regional Excellence" co-financed by

the European Regional Development Fund (ERDF) of the European Union and national resources through the Competitiveness, Entrepreneurship & Innovation (EPANEK), MIS 5046239, **Total Consortium Funding:** 3.161.138€, **Funding for the ILSP – ATHENA RC:** 2.612.582€, **Start and End Date:** 20/11/2020 - 30/09/2023, **Project Scope:** It aims to support the objectives of Agriculture 4.0 by creating a research infrastructure with a logistical laboratory background and (intangible) online presence including three web platforms to support: a) the making of an investment decision in the field of "digital agriculture", b) the implementation of the investment by applying "digital agriculture" and "precision agriculture" techniques to the crop and c) the management of the investment (crop, product). **Role and Scope of Work:** Assistant Researcher on data security issues using blockchain technologies for traceability and certification of agricultural products.

[GRP-6] **APOLLONIS:** National Infrastructure for Digital Humanities and Sciences and for Language Research and Innovation (<https://apollonis-infrastructure.gr>), **Framework:** Call "Strengthening Research and Innovation Infrastructures" co-funded by the European Regional Development Fund (ERDF) of the European Union and national resources through the Competitiveness, Entrepreneurship & Innovation (EPANEK), MIS 5002738, **Total Consortium Funding:** 4.000.000€, **Funding for the ILSP – ATHENA RC:** 1.922.838€, **Start and End Date:** 01/01/2017 - 31/12/2021, **Project Scope:** National Infrastructure for Digital Humanities Arts and Sciences and for Linguistic Research and Innovation in Greece, the establishment of which results from the partnership of two national research infrastructures included in the Roadmap for Research Infrastructures of the European Strategic Forum for Research Infrastructures (ESFRI). In particular, these are the CLARIN:EL and DARIAH-GR/DYAS infrastructures. **Role and Scope of Work:** Deputy Principal Investigator in sub-project 12 "Activities of the ATHENS-Xanthi Research Centre".

[GRP-7] **PROMOTE:** Tourism Experience Promotion Tools (<https://promote.web.auth.gr>), **Framework:** Action "RESEARCH - CREATE - INNOVATE" co-funded by the European Regional Development Fund (ERDF) of the European Union and national resources through the Competitiveness, Entrepreneurship & Innovation Programme. Innovation (EPANEK), T2EDK-02474, MIS 5030446, **Total Consortium Funding:** 993.955€, **Funding for the ILSP – ATHENA RC:** 150.000€, **Start and End Date:** 28/06/2018 - 27/06/2021, **Project Scope:** Development of tools to efficiently solve complex constrained optimization problems in a big data environment compromising with privacy protection at the server level and applications (e.g. Android Apps) at the client level for mobile phones or tablets that exploit human-centric interaction in an inherently multilingual environment. **Role and Scope of Work:** Deputy Principal Investigator with areas of involvement related to data privacy and tourism information recommendation.

[GRP-8] **Oncorecords:** an Oncology Patient-Oriented Medical History Management System (<https://research.oncorecords.com>), **Framework:** Action "RESEARCH - CREATE - INNOVATE" co-funded by the European Regional Development Fund (ERDF) of the European Union and national resources through the Competitiveness, Entrepreneurship & Innovation Programme. Innovation (EPANEK), T1EDK-03895, MIS 5030205, **Total Consortium Funding:** 503.468€, **Funding for the Dataverse Ltd:** 212,380€, **Start and End Date:** 04/06/2018 - 03/06/2021, **Project Scope:** The objective of the proposed project is to empower oncology patients to digitise or re-digitise and securely manage their personal medical history and securely share it with physicians and healthcare providers, leveraging modern advances in mobile device technology and the proliferation of wireless broadband networks. **Role and Scope of Work:** Associate Researcher on security and privacy issues with a focus on medical records.

[GRP-9] **AKSEID:** Assessing News Reliability in Social Influence Networks ([https://empedu.gov.gr/...](https://empedu.gov.gr/)), **Framework:** Call for proposals EDBM34 "Support for

researchers with a focus on young researchers" for proposals under Priority Axis 6, 8 and 9 of the European Social Fund (ESF) co-funded by the European Social Fund (ESF) under the FP "Human Resources Development, Education and Lifelong Learning".C.T.), MIS 5006337, **Total Consortium Funding:** 56.350€, **Funding for the DUTH:** 56.350€, **Start and End Date:** 15/03/2018 - 14/01/2020, **Project Scope:** The aim is to clearly formulate the concepts of bias and credibility and to evaluate them in numerical terms in an internet news dissemination graph. The data are taken from a popular social media (Twitter) and modern algorithms from the field of graph theory will be used for their analysis. **Role and Scope of Work:** Postdoctoral Fellow in privacy and social data analysis.

[GRP-10] **ATLAS:** Advanced Tourism Planning System (<https://www.ilsp.gr/projects/atlas/>), **Framework:** Act "PARTNERSHIP 2011 - Partnerships of productive and research institutions in focused research & technological areas" with funds from the Competitiveness and Entrepreneurship Operational Programme (EPAN-II), Grant no. 11SYN-10-1730, **Total Funding for the Consortium:** 715.836€, **Funding for the ILSP – ATHENA RC:** 115.000€, **Start and End Date:** 10/12/2012 - 09/12/2014, **Project Scope:** Development of methods and computational "tools" aiming at: a) geographic information and geolocation through social media and tagging, b) geographic information and multimedia information, retrieval and retrieval, c) location-based services. **Role and Scope of Work:** Associate Researcher on privacy and tourism information recommendation.

4.5.3. Participation in Private and Service Projects

[IRP-1] **EROGamb:** Empowering Responsible Online Gambling with Predictive, Real-time, Persuasive and Interactive Intervention (<https://research.bournemouth.ac.uk/.../erogamb/>), **Framework:** RGT Innovative Applied Research Grants Oct 2016 (funded by GambleAware charity), **Total Consortium Funding:** £29,005, **Funding for the Bournemouth University (UK):** £29,005, **Start and End Date:** 14/08/2017 - 15/12/2018, **Project Scope:** Aims to provide new techniques to enhance online gambling applications/sites to a level that provides responsible gambling and uses persuasive, real-time and interactive data to change user behaviour. **Role and Scope of Work:** Research Software Engineer on privacy, gambling data analytics and user empowerment.

4.6. Comprehensive Research Derivatives Widely Available

4.6.1. Software Systems

[S-1] **SUSANNA-TERM** (2023), GitHub Project: <https://github.com/orgs/SUSANNA-TERM/>, **Software Description:** It consists of 7 code repositories developed within the project "SUSANNA - Secure immUtable System based on blockchAiN for water management smart coNtrActs (<https://terminet-h2020.eu/open-call-winners/>)".

[S-2] **FedPOIRec** (2023), GitHub Repository: <https://github.com/vperifan/FedPOIRec>, **Software description:** It is the code of the publication "Vasileios Perifanis, George Drosatos, Giorgos Stamatelatos and Pavlos S. Efraimidis. FedPOIRec: Privacy-Preserving Federated POI Recommendation with Social Influence. *Information Sciences*, 623, Elsevier, 2023, DOI: [10.1016/j.ins.2022.12.024](https://doi.org/10.1016/j.ins.2022.12.024)".

[S-3] **IFMBE Challenge** (2022), GitHub Repository: https://github.com/ioanmich8/IFMBE_challenge, **Software Description:** It is the code of the publication "Vasileios Perifanis, Ioanna Michailidi, Giorgos Stamatelatos, George Drosatos, and Pavlos S. Efraimidis. Predicting Early Dropouts of an Active and Healthy Ageing App. In *proceedings of the 26th IUPESM World Congress on Medical Physics and Biomedical Engineering (IUPESM WC2022)*, IFMBE, Springer, Singapore, 12-17 June 2022, DOI: [10.48550/arXiv.2308.00539](https://doi.org/10.48550/arXiv.2308.00539)".

- [S-4] **Advocate Platform App** (2019), GitHub Repository: <https://github.com/AnthonyK95/Advocateplatform-app>, **Software Description:** It is the code of the publication "Konstantinos Rantos, George Drosatos, Antonios Kritsas, Christos Ilioudis, Alexandros Papanikolaou and Adam P. Filippidis. A Blockchain-based Platform for Consent Management of Personal Data Processing in the IoT Ecosystem. *Security and Communication Networks*, vol. 2019, Article ID 1431578, John Wiley & Sons - Hindawi, 2019, DOI: [10.1155/2019/1431578](https://doi.org/10.1155/2019/1431578)".
- [S-5] **Unispace** (2019), Version o.8.o-beta, GitHub Repository: <https://github.com/ioanziko/Unispace>, **Software Description:** It is a web-based university management software for use by students, faculty and administrators, and supports all modern browsers. It supports user registration, grades, messaging service and overall curriculum management.
- [S-6] **Web Lifestyle Data Aggregator** (2015), <https://www.carre-project.eu/innovation/web-lifestyle-data-aggregator/>, **Software Description:** The main goal of this software is to use a patient's web searches to extract their intentions. Its main parts are the query detector and the user intention extractor.
- [S-7] **Electronic Care Plan** (2015), <http://bioportal.bioontology.org/ontologies/ECP>, **Ontology Description:** The goal of this ontology is to define in a formal, and platform-independent way, representative metadata and relationships in healthcare plans. This approach is intended to act as an umbrella across these systems and provide certain advantages regarding the management, organization and search of formal care plans.
- [S-8] **Medical Web Lifestyle Aggregator** (2015), <http://bioportal.bioontology.org/ontologies/MWLA>, **Ontology Description:** This ontology was designed and developed to represent the intentions detected by the Web Lifestyle Data Aggregator of the CARRE project. Specifically, it seeks to represent what is involved in collecting data from the Web and the social lifestyle of Web users.
- [S-9] **CARRE Risk Factor ontology** (2014), <http://bioportal.bioontology.org/ontologies/CARRE>, **Ontology description:** This ontology is the semantic representation of the CARRE data model for health risk factors (risk factors), and is intended to represent current medical knowledge about cardiovascular risk factors.

4.6.2. Datasets - Resources

- [DS-1] **Greek POI List** (2020), <https://doi.org/10.17632/dx39jx9v5p.1>, **Description:** the dataset contains 47,745 POIs (Points of Interests) located in 9 prefectures of tourist interest and 17,000 lists with 115,308 references to POIs. The dataset shows a wide variety of categories related to POIs (e.g. restaurants, hotels, car rentals, archaeological sites, shopping centres, gyms, rivers, churches), while the covered area includes 9 popular tourist destinations (Halkidiki, Kefalonia, Cyclades, Dodecanese, Drama, Kavala, Serres, Thessaloniki, and Xanthi). It was used in the publication "Giorgos Stamatelatos, George Drosatos, Sotirios Gyftopoulos, Helen Briola and Pavlos S. Efraimidis. Point-of-Interest Lists and their Potential in Recommendation Systems. *Tourism*, 23(1), Springer, 2021, DOI: [10.1007/s40558-021-00195-5](https://doi.org/10.1007/s40558-021-00195-5)".
- [DS-2] **Greek News Media Impartiality** (2018), <https://figshare.com/s/afoob25a1b408888267a>, **Description:** the dataset consists of the Twitter accounts of Greek MPs (Parliament in April 2018) and Greek media (16 newspapers, 6 TV channels and 2 popular online blogs), as well as all their publicly available followers (1,279,005 unique followers). Used in the publication "Sotirios Gyftopoulos, George Drosatos, Giorgos Stamatelatos and Pavlos S. Efraimidis. A Twitter-based Approach of News Media Impartiality in Multipartite Political Scenes. *Social Network Analysis and Mining*, 10(1), Springer, 2020, DOI: [10.1007/s13278-020-00642-x](https://doi.org/10.1007/s13278-020-00642-x)".

- [DS-3] **Greek Political Scene** (2018), <http://dx.doi.org/10.17632/jvfjdkhr5p.1>, **Description:** the dataset consists of the Twitter accounts of Greek MPs (Parliament in April 2018), as well as all their publicly available followers (with a total of 5,610,099 edges). It was used in the publication "*Giorgos Stamatelatos, Sotirios Gyftopoulos, George Drosatos and Pavlos S. Efraimidis. Revealing the Political Affinity of Online Entities Through Their Twitter Followers. Information Processing & Management, 57(2), Article ID 102172, Elsevier, 2020, DOI: 10.1016/j.ipm.2019.102172.*"

4.7. Scientific Papers - Written Work

4.7.1. Books - Book Chapters

- [B3] George Drosatos, Ioannis Mavridis and Konstantinos Rantos. Foundations and Applications of Modern Cryptography. Critical Reader: Dimitris Gritzalis, Kallipos - Open Academic Editions, Greek Edition, Chapters 15, pages 435, 2025, DOI: [10.57713/kallipos-1067](https://doi.org/10.57713/kallipos-1067), [ISBN: 978-618-228-316-5].
- [B2] George Drosatos, Pavlos S. Efraimidis and Avi Arampatzis (Eds.). Federated and Transfer Learning Applications. Applied Sciences, MDPI, Special Issue Reprint, Chapters 12, Pages 202, 2024, DOI: [10.3390/books978-3-7258-0076-6](https://doi.org/10.3390/books978-3-7258-0076-6), [ISBN: 978-3-7258-0075-9].
- [B1] Konstantinos Rantos and George Drosatos. "Security in Blockchain Environment". Information and Systems Security in Cyberspace, edited by Sokratis Katsikas, Stefanos Gkritzalis and Konstantinos Labrinoudakis, New Technology Publications, Greek Edition, Chapter 15, pages 429-456, 2021, [ISBN: [978-960-578-064-7](https://doi.org/978-960-578-064-7), Eudoxus ID: [94701556](https://eudoxus.com/94701556)].

4.7.2. Peer-reviewed Journal Articles

- [J36] Maria Didaskalou, George Ioannakis, Eleni Kaldoudia and George Drosatos. Deep Learning Approaches for Thrombosis Detection and Risk Assessment via Ultrasound Imaging: A Scoping Review. Ultrasound in Medicine & Biology, Elsevier, 2025 [IF: 2.6, SJR: 0.663].
- [J35] Eleni Kytidou, Theodosia Tsikriki, George Drosatos and Konstantinos Rantos. Machine Learning Techniques for Phishing Detection: A Review of Methods, Challenges, and Future Directions. Intelligent Decision Technologies, Sage & IOS Press, 2025, DOI: [10.1177/18724981251366763](https://doi.org/10.1177/18724981251366763) [IF: 0.8, SJR: 0.25].
- [J34] Nikolaos Pavlidis, Andreas Sendros, Theodoros Tsiolakis, Periklis Kostamis, Christos Karasoulas, Eleni Briola, Christos Chrysanthos Nikolaidis, Vasilis Perifanis, George Drosatos, Eleftheria Katsiri, Despoina Elisavet Filippidou, Anastasios Manos and Pavlos S. Efraimidis. Federated Learning for Privacy-Friendly Health Apps: A Case Study on Ovulation Tracking. Journal of Sensor and Actuator Networks, 14(1), 11, MDPI, 2025, DOI: [10.3390/jsan14010011](https://doi.org/10.3390/jsan14010011) [IF: 3.3, SJR: 0.789].
- [J33] Sotirios Gyftopoulos, George Drosatos, Giuseppe Fico, Leandro Pecchia and Eleni Kaldoudi. Analysis of Pharmaceutical Companies' Social Media Activity during the COVID-19 Pandemic and Its Impact on the Public. Behavioral Sciences, 14(2), 128, MDPI, 2024, DOI: [10.3390/bs14020128](https://doi.org/10.3390/bs14020128) [IF: 2.6, SJR: 0.616].
- [J32] Lambros Tsourgiannis, Stavros Valsamidis, Pavlos S. Efraimidis and George Drosatos. The Effect of COVID-19 on Tourist Behaviour. International Journal of Technology Marketing, 18(1), Inderscience, 2024, DOI: [10.1504/IJTMKT.2024.135671](https://doi.org/10.1504/IJTMKT.2024.135671) [SJR: 0.228].
- [J31] Lutz Peschke, Sotirios Gyftopoulos, Ayhan Kapusuzoğlu, Frans Folkvord, Yasemin Gümüş Ağca, Eleni Kaldoudi, George Drosatos, Nildağ Başak Ceylan, Leandro Pecchia and Seldağ Güneş Peschke. Practices of Knowledge Exchange in the Context of the COVID-19 Pandemic. Journal of the Knowledge Economy, Springer, 2023, DOI: [10.1007/s13132-023-01537-w](https://doi.org/10.1007/s13132-023-01537-w) [IF: 3.3, SJR: 0.694].
- [J30] George Drosatos, Pavlos S. Efraimidis and Avi Arampatzis. Federated and Transfer Learning

- Applications. *Applied Sciences*, 13(21), 11722, MDPI, 2023, DOI: [10.3390/app132111722](https://doi.org/10.3390/app132111722) [IF: 2.7, SJR: 0.508].
- [J29] Ioanna Anastasaki, George Drosatos, George Pavlidis and Konstantinos Rantos. User Authentication Mechanisms Based on Immersive Technologies: A Systematic Review. *Information* 2023, 14(10), 538, MDPI, 2023, DOI: [10.3390/info14100538](https://doi.org/10.3390/info14100538) [IF: 3.1, SJR: 0.703].
- [J28] Vasileios Perifanis, George Drosatos, Giorgos Stamatelatos and Pavlos S. Efraimidis. FedPOIRec: Privacy-Preserving Federated POI Recommendation with Social Influence. *Information Sciences*, 623, Elsevier, 2023, DOI: [10.1016/j.ins.2022.12.024](https://doi.org/10.1016/j.ins.2022.12.024) [IF: 8.233, SJR: 2.29].
- [J27] Andreas Sendros, George Drosatos, Pavlos S. Efraimidis and Nestor C. Tsirliganis. Blockchain Applications in Agriculture: A Scoping Review. *Applied Sciences*, 12(16), 8061, MDPI, 2022, DOI: [10.3390/app12168061](https://doi.org/10.3390/app12168061) [IF: 2.7, SJR: 0.508].
- [J26] George Drosatos, Konstantinos Rantos and Konstantinos Demertzis. Advanced Technologies in Data and Information Security. *Applied Sciences*, 12(12), 5925, MDPI, 2022, DOI: [10.3390/app12125925](https://doi.org/10.3390/app12125925) [IF: 2.7, SJR: 0.508].
- [J25] Ioannis Lykidis, George Drosatos and Konstantinos Rantos. The Use of Blockchain Technology in e-Government Services. *Computers*, 10(12), 168, MDPI, 2021, [10.3390/computers10120168](https://doi.org/10.3390/computers10120168) [IF: 2.8, SJR: 0.616].
- [J24] Konstantinos Kaltakis, Panagiota Polyzi, George Drosatos and Konstantinos Rantos. Privacy-Preserving Solutions in Blockchain-Enabled Internet of Vehicles. *Applied Sciences*, MDPI, 2021, DOI: [10.3390/app11219792](https://doi.org/10.3390/app11219792) [IF: 2.7, SJR: 0.508].
- [J23] Charalampos Ntompras, George Drosatos and Eleni Kaldoudi. A High-Resolution Temporal and Geospatial Content Analysis of Twitter Posts Related to the COVID-19 Pandemic. *Journal of Computational Social Science*, Springer, 2022, DOI: [10.1007/s42001-021-00150-8](https://doi.org/10.1007/s42001-021-00150-8) [IF: 3.2, SJR: 0.718].
- [J22] Styliani Geronikolou, George Drosatos and George Chrousos. Emotional Analysis of Twitter Posts During the First Phase of the COVID-19 Pandemic in Greece: Inveillance Study. *JMIR Formative Research*, 5(9), e27741, JMIR Publications, 2021, DOI: [10.2196/27741](https://doi.org/10.2196/27741) [IF: 2.2, SJR: 0.637].
- [J21] Giorgos Stamatelatos, George Drosatos, Sotirios Gyftopoulos, Helen Briola and Pavlos S. Efraimidis. Point-of-Interest Lists and their Potential in Recommendation Systems. *Information Technology & Tourism*, 23(1), Springer, 2021, DOI: [10.1007/s40558-021-00195-5](https://doi.org/10.1007/s40558-021-00195-5) [IF: 9.3, SJR: 1.901].
- [J20] Spyridon Kavvadias, George Drosatos and Eleni Kaldoudi. Supporting Topic Modeling and Trends Analysis in Biomedical Literature. *Journal of Biomedical Informatics*, 26(7-8), Elsevier, 2020, DOI: [10.1016/j.jbi.2020.103574](https://doi.org/10.1016/j.jbi.2020.103574) [IF: 4.5, SJR: 1.16].
- [J19] Stamatiia Pouliliou, Christos Nikolaidis and George Drosatos. Current Trends in Cancer Immunotherapy: A Literature-Mining Analysis. *Cancer Immunology, Immunotherapy*, Springer, 2020, DOI: [10.1007/s00262-020-02630-8](https://doi.org/10.1007/s00262-020-02630-8) [IF: 5.8, SJR: 1.663].
- [J18] Sotirios Gyftopoulos, George Drosatos, Giorgos Stamatelatos and Pavlos S. Efraimidis. A Twitter-based Approach of News Media Impartiality in Multipartite Political Scenes. *Social Network Analysis and Mining*, 10(1), Springer, 2020, DOI: [10.1007/s13278-020-00642-x](https://doi.org/10.1007/s13278-020-00642-x) [IF: 2.8, SJR: 0.667].
- [J17] Konstantinos Demertzis, Konstantinos Rantos and George Drosatos. A Dynamic Intelligent Policies Analysis Mechanism for Personal Data Processing in the IoT Ecosystem. *Big Data and Cognitive Computing*, 4(2), Article 9, MDPI, 2020, DOI: [10.3390/bdcc4020009](https://doi.org/10.3390/bdcc4020009) [IF: 3.7, SJR: 0.82].
- [J16] George Drosatos, Emily Arden-Close, Elvira Bolat and Raian Ali. Gambling Data and Modalities of Interaction for Responsible Online Gambling: A Qualitative Study. *Journal of Gambling Issues*, 44, CAMH, 2020, DOI: [10.4309/jgi.2020.44.8](https://doi.org/10.4309/jgi.2020.44.8) [ESCI, SJR: 0.443].
- [J15] Giorgos Stamatelatos, Sotirios Gyftopoulos, George Drosatos and Pavlos S. Efraimidis. Revealing the

- Political Affinity of Online Entities Through Their Twitter Followers. *Information Processing & Management*, 57(2), Article ID 102172, Elsevier, 2020, DOI: [10.1016/j.ipm.2019.102172](https://doi.org/10.1016/j.ipm.2019.102172) [IF: 8.6, SJR: 2.134].
- [J14] Konstantinos Rantos, George Drosatos, Antonios Kritsas, Christos Ilioudis, Alexandros Papanikolaou and Adam P. Filippidis. A Blockchain-based Platform for Consent Management of Personal Data Processing in the IoT Ecosystem. *Security and Communication Networks*, vol. 2019, Article ID 1431578, John Wiley & Sons - Hindawi, 2019, DOI: [10.1155/2019/1431578](https://doi.org/10.1155/2019/1431578) [IF: 1.968, SJR: 0.494].
- [J13] George Drosatos and Eleni Kaldoudi. A Probabilistic Semantic Analysis of eHealth Scientific Literature. *Journal of Telemedicine and Telecare*, 26(7-8), SAGE Publishing, 2020, DOI: [10.1177/1357633X19846252](https://doi.org/10.1177/1357633X19846252) [IF: 4.7, SJR: 1.223].
- [J12] George Drosatos and Eleni Kaldoudi. Blockchain Applications in the Biomedical Domain: A Scoping Review. *Computational and Structural Biotechnology Journal*, 17, Elsevier, 2019, DOI: [10.1016/j.csbj.2019.01.010](https://doi.org/10.1016/j.csbj.2019.01.010) [IF: 6.0, SJR: 1.485].
- [J11] George Drosatos, Fotis Nalbadis, Emily Arden-Close, Victoria Baines, Elvira Bolat, Laura Vuillier, Theodoros Kostoulas, Marcin Budka, Sonia Wasowska, Maris Bonello, Jamie Brown, Tessa Corner, John McAlaney, Keith Phalp and Raian Ali. Enabling Responsible Online Gambling by Real-time Persuasive Technologies. *Complex Systems Informatics and Modeling Quarterly (CSIMQ)*, no. 17, RTU Press, 2018, DOI: [10.7250/csimq.2018-17.03](https://doi.org/10.7250/csimq.2018-17.03) [SJR: 0.28].
- [J10] Athina-Styliani Kleinaki, Petros Mytis-Gkometh, George Drosatos, Pavlos S. Efraimidis and Eleni Kaldoudi. A Blockchain-based Notarization Service for Biomedical Knowledge Retrieval. *Computational and Structural Biotechnology Journal*, 16, Elsevier, 2018, DOI: [10.1016/j.csbj.2018.08.002](https://doi.org/10.1016/j.csbj.2018.08.002) [IF: 6.0, SJR: 1.485].
- [J9] George Drosatos, Aimilia Tasidou and Pavlos S. Efraimidis. Privacy Enhanced Television Audience Measurements. *ACM Transactions on Internet Technology*, 17(1), ACM Journals, 2017, DOI: [10.1145/3009969](https://doi.org/10.1145/3009969) [IF: 5.3, SJR: 1.449].
- [J8] Youbing Zhao, Farzad Parvinzami, Stephen Wilson, Hui Wei, Zhikun Deng, Nick Portokallidis, Allan Third, George Drosatos, Enjie Liu, Feng Dong, Vaidotas Marozas, Arūnas Lukoševičius, Eleni Kaldoudi and Gordon Clapworthy. Integrated Visualisation of Wearable Sensor Data and Risk Models for Individualised Health Monitoring and Risk Assessment to Promote Patient Empowerment, *Journal of Visualization*, 20(2), Springer, 2017, DOI: [10.1007/s12650-016-0402-6](https://doi.org/10.1007/s12650-016-0402-6) [IF: 1.7, SJR: 0.442].
- [J7] Pavlos Efraimidis, George Drosatos, Avi Arampatzis, Giorgos Stamatelatos and Ioannis Athanasiadis. A Privacy-by-Design Contextual Suggestion System for Tourism. *Journal of Sensor and Actuator Networks*, 5(2), 10, MDPI, 2016, DOI: [10.3390/jsan5020010](https://doi.org/10.3390/jsan5020010) [IF: 3.5, SJR: 0.789].
- [J6] Avi Arampatzis, George Drosatos and Pavlos S. Efraimidis. Versatile Query Scrambling for Private Web Search. *Information Retrieval*, 18(4), Springer, 2015, DOI: [10.1007/s10791-015-9256-0](https://doi.org/10.1007/s10791-015-9256-0) [IF: 2.024, SJR: 0.607].
- [J5] George Drosatos and Pavlos S. Efraimidis. User-Centric Privacy-Preserving Statistical Analysis of Ubiquitous Health Monitoring Data. *Computer Science and Information Systems*, 11(2), ComSIS Consortium, 2014, DOI: [10.2298/csis130120022d](https://doi.org/10.2298/csis130120022d) [IF: 1.4, SJR: 0.317].
- [J4] George Drosatos, Pavlos S. Efraimidis, Ioannis N. Athanasiadis, Matthias Stevens and Ellie D'Hondt. Privacy-Preserving Computation of Participatory Noise Maps in the Cloud. *Journal of Systems and Software*, Elsevier, 2014, DOI: [10.1016/j.jss.2014.01.035](https://doi.org/10.1016/j.jss.2014.01.035) [IF: 3.5, SJR: 1.16].
- [J3] George Drosatos and Pavlos S. Efraimidis. An Efficient Privacy-Preserving Solution for Finding the Nearest Doctor. *Personal and Ubiquitous Computing*, 18(1), Springer, 2014, DOI: [10.1007/s00779-012-0619-x](https://doi.org/10.1007/s00779-012-0619-x) [IF: 3.06, SJR: 0.654].
- [J2] Avi Arampatzis, Pavlos S. Efraimidis and George Drosatos. A Query Scrambler for Search Privacy on

the Internet. Information Retrieval, 16(6), Springer, 2013, DOI: [10.1007/s10791-012-9212-1](https://doi.org/10.1007/s10791-012-9212-1) [IF: 2.024, SJR: 0.607].

- [J1] Pavlos S. Efraimidis, George Drosatos, Fotis Nalbadis and Aimilia Tasidou. Towards Privacy in Personal Data Management. Information Management & Computer Security, 17(4), Emerald, 2009, DOI: [10.1108/09685220910993971](https://doi.org/10.1108/09685220910993971) [SJR: 0.268].

4.7.3. Peer-reviewed Conference Papers

- [C36] Dimitrios Pechlivanis, Stylianos Didaskalou, Eleni Kaldoudi and George Drosatos. Preparing Ultrasound Imaging Data for Artificial Intelligence Tasks: Anonymisation, Cropping, and Tagging. In proceedings of the 18th International Joint Conference on Biomedical Engineering Systems and Technologies (BIOSTEC 2025) - Volume 2: HEALTHINF, pages 951-958, SciTePress, Porto, Portugal, 20-22 Feb. 2025, DOI: [10.5220/0013379400003911](https://doi.org/10.5220/0013379400003911).
- [C35] Eleni Kaldoudi, Vaidotas Marozas, Jurkonis Rytis, Nicolas Pousset, Mathieu Legros, Marco Kircher, Dmitry Novikov, Andrius Sakalauskas, Pavlos Moustakidis, Babajide Ayinde, Lara Alessia Moltani, Susann Balling, Antti Vehkaoja, Niku Oksala, Andrius Macas, Neringa Balciuniene, Maria Bigaki, Michail Potoupnis, Stella-Lida Papadopoulou, Elvira Grandone, Maxime Gautier, Sabrina Bouda, Cord Schloetelburg, Thorsten Prinz, Pietro Dionisio, Spyridon Anagnostopoulos, Ioanna Drougka, Frans Folkvord, George Drosatos, Stylianos Didaskalou and the ThrombUS+ Consortium. Towards Wearable Continuous Point-of-Care Monitoring for Deep Vein Thrombosis of the Lower Limb. In proceedings of the 9th European Medical and Biological Engineering Conference (EMBEC 2024), pages 326–335, IFMBE Vol. 113, Springer, Portorož, Slovenia, 9-13 June 2024, DOI: [10.1007/978-3-031-61628-0_36](https://doi.org/10.1007/978-3-031-61628-0_36).
- [C34] Sotirios Gyftopoulos, George Drosatos, Leandro Pecchia, Giuseppe Fico and Eleni Kaldoudi. Interaction Between Pharmaceutical Companies and the Public During the COVID-19 Pandemic—A Twitter Analysis. In proceedings of MEDICON'23 and CMBEBIH'23, pages 826–834, IFMBE Vol. 93, Springer, Sarajevo, Bosnia and Herzegovina, 14-16 September 2023, DOI: [10.1007/978-3-031-49062-o_86](https://doi.org/10.1007/978-3-031-49062-o_86).
- [C33] Lambros Tsourgiannis, Stavros Valsamidis, Giannoula Florou and George Drosatos. Why Did Greeks Prefer not to Do Tourism in the Covid-19 Era?. In proceedings of the 14th International Conference on the Economies of the Balkan and Eastern European Countries (EBEEC), pages 299-313, SPBE, Springer, Florence, Italy, 20-22 May 2022, DOI: [10.1007/978-3-031-34059-8_16](https://doi.org/10.1007/978-3-031-34059-8_16).
- [C32] Ioannis Zikos, Andreas Sendros, George Drosatos and Pavlos S. Efraimidis. HFabD+M: A Web-based Platform for Automated Hyperledger Fabric Deployment and Management. In proceedings of the 1st Global Emerging Technology Blockchain Forum: Blockchain & Beyond (iGETblockchain), IEEE, Virtual Event, 7-11 November 2022, DOI: [10.1109/iGETblockchain56591.2022.10087061](https://doi.org/10.1109/iGETblockchain56591.2022.10087061).
- [C31] Vasileios Perifanis, Ioanna Michailidi, Giorgos Stamatelatos, George Drosatos and Pavlos S. Efraimidis. Predicting Early Dropouts of an Active and Healthy Ageing App. In proceedings of the 26th IUPESM World Congress on Medical Physics and Biomedical Engineering (IUPESM WC2022), pages xxx-xxx, IFMBE Vol. XX, Springer, Singapore, 12-17 June 2022, DOI: [10.48550/arXiv.2308.00539](https://doi.org/10.48550/arXiv.2308.00539).
- [C30] Christoforos Spartalis, George Drosatos and Avi Arampatzis. Transfer Learning for Automated Responses to the BDI Questionnaire. In proceedings of the Working Notes of CLEF 2021 - Conference and Labs of the Evaluation Forum, pages 1046-1058, Vol. 2936, CEUR, Bucharest, Romania, 21-24 September 2021, URN: [urn:nbn:de:0074-2936-o](https://nbn-resolving.org/urn:nbn:de:0074-2936-o).
- [C29] Nikolaos Zapoglou, Ioannis Patsakos, George Drosatos and Konstantinos Rantos. Privacy-Preserving Blockchain-Based Solutions in the Internet of Things. In proceedings of the EAI International Conference on Cognitive Computing and Cyber Physical Systems (IC4S), Springer, Cyberspace, 2-4 December 2020, DOI: [10.1007/978-3-030-76063-2_27](https://doi.org/10.1007/978-3-030-76063-2_27).

- [C28] George Drosatos, Konstantinos Rantos, Dimitris Karampatzakis, Thomas Lagkas and Panagiotis Sarigiannidis. Privacy-preserving solutions in the Industrial Internet of Things. In proceedings of the 16th International Conference on Distributed Computing in Sensor Systems (DCOSS), IEEE, Los Angeles, California, USA, 15-17 June 2020, DOI: [10.1109/DCOSS49796.2020.00044](https://doi.org/10.1109/DCOSS49796.2020.00044), [CORE Rank: B].
- [C27] Antonios Dimitriadis, George Drosatos and Pavlos S. Efraimidis. How much does a zero-permission Android app know about us?. In proceedings of the 3rd Central European Cybersecurity Conference (CECC 2019), pages 7:1-7:5, ACM, Munich, Germany, 14-15 Nov 2019, DOI: [10.1145/3360664.3360671](https://doi.org/10.1145/3360664.3360671).
- [C26] Helen Briola, George Drosatos, Giorgos Stamatelatos, Sotirios Gyftopoulos and Pavlos S. Efraimidis. Privacy Leakages about Political Beliefs through Analysis of Twitter Followers. In proceedings of the 22nd Pan-Hellenic Conference on Informatics (PCI 2018), pages 16-21, ACM, Athens, Greece, 29 Nov-1 Dec 2018, DOI: [10.1145/3291533.3291557](https://doi.org/10.1145/3291533.3291557).
- [C25] Konstantinos Rantos, George Drosatos, Konstantinos Demertzis, Christos Ilioudis, Alexandros Papanikolaou and Antonios Kritsas. ADvoCATE: A Consent Management Platform for Personal Data Processing in the IoT using Blockchain Technology. In proceedings of the 11th International Conference on Innovative Security Solutions for Information Technology and Communications (SecITC 2018), pages 300-313, LNCS Vol. 11359, Springer, Bucharest, Romania, 8-9 Nov 2018, DOI: [10.1007/978-3-030-12942-2_23](https://doi.org/10.1007/978-3-030-12942-2_23).
- [C24] Giorgos Stamatelatos, Sotirios Gyftopoulos, George Drosatos and Pavlos S. Efraimidis. Deriving the Political Affinity of Twitter Users from Their Followers. In proceedings of the 11th IEEE International Conference on Social computing and networking (SocialCom 2018), pages 1175-1182, IEEE, Melbourne, Australia, 11-13 Dec 2018, DOI: [10.1109/BDCloud.2018.00173](https://doi.org/10.1109/BDCloud.2018.00173).
- [C23] Konstantinos Rantos, George Drosatos, Konstantinos Demertzis, Christos Ilioudis and Alexandros Papanikolaou. Blockchain-based Consents Management for Personal Data Processing in the IoT Ecosystem. In proceedings of the 15th International Conference on Security and Cryptography (SECRYPT 2018), part of ICETE, pages 572-577, SCITEPRESS, Porto, Portugal, 26-28 July 2018, DOI: [10.5220/0006911007380743](https://doi.org/10.5220/0006911007380743), [CORE Rank: B].
- [C22] George Drosatos, Fotis Nalbadis, Emily Arden-Close, Victoria Baines, Elvira Bolat, Laura Vuillier, Theodoros Kostoulas, Sonia Wasowska, Maris Bonello, Jane Palles, John McAlaney, Keith Phalp and Raian Ali. Empowering Responsible Online Gambling by Real-time Persuasive Information Systems. In proceedings of the IEEE 12th International Conference on Research Challenges in Information Science (RCIS 2018), pages 1-11, IEEE, Nantes, France, 29-31 May 2018, DOI: [10.1109/rcis.2018.8406671](https://doi.org/10.1109/rcis.2018.8406671), [Acceptance rate: 29%, CORE Rank: B].
- [C21] Spyridon Kavvadias, George Drosatos and Eleni Kaldoudi. An Online Service for Topics and Trends Analysis in Medical Literature. In proceedings of the 25th World Congress on Medical Physics and Biomedical Engineering (IUPESM 2018), pages 481-485, IFMBE Vol. 68/3, Springer, Prague, Czech Republic, 3-8 June 2018, DOI: [10.1007/978-981-10-9035-6_89](https://doi.org/10.1007/978-981-10-9035-6_89).
- [C20] George Drosatos, Kyriakos Bakirlis, Pavlos S. Efraimidis and Eleni Kaldoudi. Communicating Personalized Risk Factors for Lifestyle Coaching. In proceedings of the 11th International Conference on Health Informatics (HealthInf 2018), part of BIOSTEC, pages 571-578, SCITEPRESS, Funchal, Madeira-Portugal, 19-21 Jan. 2018, DOI: [10.5220/0006660405710578](https://doi.org/10.5220/0006660405710578), [CORE Rank: C].
- [C19] Petros Mytis-Gkometh, George Drosatos, Pavlos S. Efraimidis and Eleni Kaldoudi. Notarization of Knowledge Retrieval from Biomedical Repositories using Blockchain Technology. In proceedings of the 3rd International Conference on Biomedical and Health Informatics (ICBHI 2017), pages 69-73, IFMBE Vol. 66, Springer, Thessaloniki, Greece, 18-21 Nov. 2017, DOI: [10.1007/978-981-10-7419-6_12](https://doi.org/10.1007/978-981-10-7419-6_12).
- [C18] Saulius Daukantas, Vaidotas Marozas, George Drosatos, Eleni Kaldoudi and Arunas Lukosevicius. General Data Format Security Extensions for Biomedical Signals. In proceedings of the 7th European Medical and Biological Engineering Conference (EMBEC 2017), pages 731-734, IFMBE Vol. 65,

- Springer, Tampere, Finland, 11-15 June 2017, DOI: [10.1007/978-981-10-5122-7_183](https://doi.org/10.1007/978-981-10-5122-7_183).
- [C17] George Drosatos, Spyridon E. Kavvadias and Eleni Kaldoudi. Topics and Trends Analysis in eHealth Literature. In proceedings of the 7th European Medical and Biological Engineering Conference (EMBEC 2017), pages 563-566, IFMBE Vol. 65, Springer, Tampere, Finland, 11-15 June 2017, DOI: [10.1007/978-981-10-5122-7_141](https://doi.org/10.1007/978-981-10-5122-7_141).
- [C16] Allan Third, George Gkotsis, Eleni Kaldoudi, George Drosatos, Nick Portokallidis, Stefanos Roumeliotis, Kalliopi Pafili and John Domingue. Integrating Medical Scientific Knowledge with the Semantically Quantified Self. In proceedings of the 15th International Semantic Web Conference (ISWC 2016), pages 566-580, LNCS Vol. 9981, Springer, Kobe, Japan, 17-21 October 2016, DOI: [10.1007/978-3-319-46523-4_34](https://doi.org/10.1007/978-3-319-46523-4_34), [Acceptance rate: 39/212 = 18.4%, CORE Rank: A].
- [C15] Nick Portokallidis, George Drosatos and Eleni Kaldoudi. Capturing Provenance, Evolution and Modification of Clinical Protocols via a Heterogeneous, Semantic Social Network. In proceedings of the Social Media & Participatory Health Conference (SMPH 2016), part of 13th International Congress in Nursing Informatics (NI 2016), pages 592-596, Stud Health Technol Inform Vol. 225, IOS Press, Geneva, Switzerland, 25-29 June 2016, DOI: [10.3233/978-1-61499-658-3-592](https://doi.org/10.3233/978-1-61499-658-3-592), [PMID: 27332270].
- [C14] Eleni Kaldoudi, George Drosatos, Nick Portokallidis and Allan Third. An Ontology based Scheme for Formal Care Plan Meta-Description. In proceedings of the 14th Mediterranean Conference on Medical and Biological Engineering and Computing (MEDICON 2016), pages 791-796, IFMBE Vol. 57, Springer, Paphos, Cyprus, 31 Mar.-2 Apr. 2016, DOI: [10.1007/978-3-319-32703-7_154](https://doi.org/10.1007/978-3-319-32703-7_154).
- [C13] George Drosatos, Pavlos S. Efraimidis, Garrath Williams and Eleni Kaldoudi. Towards Privacy by Design in Personal e-Health Systems. In proceedings of the 9th International Conference on Health Informatics (HealthInf 2016), part of BIOSTEC, pages 472-477, SCITEPRESS, Rome, Italy, 21-23 Feb. 2016, DOI: [10.5220/0005821404720477](https://doi.org/10.5220/0005821404720477), [CORE Rank: C].
- [C12] George Drosatos, Stefanos Roumeliotis, Avi Arampatzis and Eleni Kaldoudi. DUTH at TREC 2015 Clinical Decision Support Track. In proceedings of the 24th Text REtrieval Conference (TREC 2015), National Institute of Standards and Technology (NIST), Gaithersburg, Maryland, USA, 17-20 Nov. 2015, NIST URL: <https://trec.nist.gov/pubs/trec24/papers/DUTH-CL.pdf>, [CORE Rank: A].
- [C11] George Drosatos, Pavlos S. Efraimidis, Avi Arampatzis, Giorgos Stamatelatos and Ioannis N. Athanasiadis. Pythia: A Privacy-enhanced Personalized Contextual Suggestion System for Tourism. In proceedings of the 39th Annual IEEE Computers, Software and Applications Conference (COMPSAC 2015), pages 822-827, IEEE, Taichung, Taiwan, 1-5 July 2015, DOI: [10.1109/compsac.2015.88](https://doi.org/10.1109/compsac.2015.88), [CORE Rank: B].
- [C10] George Drosatos, Avi Arampatzis and Eleni Kaldoudi. Extracting Intention from Web Queries – Application in eHealth Personalization. In proceedings of the 24th World Congress on Medical Physics and Biomedical Engineering (IUPESM WC 2015), pages 1435-1438, IFMBE Vol. 51, Springer, Toronto, Canada, 7-12 June 2015, DOI: [10.1007/978-3-319-19387-8_350](https://doi.org/10.1007/978-3-319-19387-8_350).
- [C9] George Drosatos, Giorgos Stamatelatos, Avi Arampatzis and Pavlos S. Efraimidis. DUTH at TREC 2013 Contextual Suggestion Track. In proceedings of the 22nd Text REtrieval Conference (TREC 2013), 2nd Group in Ranking, National Institute of Standards and Technology (NIST), Gaithersburg, Maryland, USA, 19-22 Nov. 2013, NIST URL: <https://trec.nist.gov/pubs/trec22/papers/DUTH-context.pdf>, [CORE Rank: A].
- [C8] Avi Arampatzis, George Drosatos and Pavlos S. Efraimidis. A Versatile Tool for Privacy-Enhanced Web Search. In proceedings of the 35th European Conference on Information Retrieval (ECIR 2013), pages 368-379, LNCS Vol. 7814, Springer, Moscow, Russia, 24-27 Mar. 2013, DOI: [10.1007/978-3-642-36973-5_31](https://doi.org/10.1007/978-3-642-36973-5_31), [Acceptance rate: 29%, CORE Rank: A].
- [C7] George Drosatos, Pavlos S. Efraimidis, Ioannis N. Athanasiadis, Ellie D'Hondt and Matthias Stevens, A Privacy-Preserving Cloud Computing System for Creating Participatory Noise Maps. In proceedings

- of the 36th Annual IEEE Computers, Software and Applications Conference (COMPSAC 2012), pages 581-586, IEEE, Izmir, Turkey, 16-20 July 2012, DOI: [10.1109/compsac.2012.78](https://doi.org/10.1109/compsac.2012.78), [Overall acceptance rate: 30.4%, ISI Proceedings, CORE Rank: B].
- [C6] George Drosatos, Aimilia Tasidou and Pavlos S. Efraimidis. Privacy-Preserving Television Audience Measurement using Smart TVs. In proceedings of the 27th IFIP International Information Security and Privacy Conference (SEC 2012), pages 223-234, IFIP AICT Vol. 376, Springer, Heraklion, Crete, Greece, 4-6 June 2012, DOI: [10.1007/978-3-642-30436-1_19](https://doi.org/10.1007/978-3-642-30436-1_19), [Acceptance rate: 25%, CORE Rank: B].
- [C5] George Drosatos and Pavlos S. Efraimidis. Privacy-Preserving Statistical Analysis on Ubiquitous Health Data. In proceedings of the 8th International Conference on Trust, Privacy and Security in Digital Business (TrustBus 2011), pages 24-36, LNCS Vol. 6863, Springer, Toulouse, France, 29 Aug.-2 Sept. 2011, DOI: [10.1007/978-3-642-22890-2_3](https://doi.org/10.1007/978-3-642-22890-2_3), [Acceptance rate: 35%, CORE Rank: B].
- [C4] George Drosatos and Pavlos S. Efraimidis. Privacy-Enhanced Management of Ubiquitous Health Monitoring Data. In proceedings of the 4rd International Conference on Pervasive Technologies Related to Assistive Environments (PETRA 2011), pages 37:1-37:4, ACM, Heraklion, Crete, Greece, 25-27 May 2011, DOI: [10.1145/2141622.2141667](https://doi.org/10.1145/2141622.2141667).
- [C3] Avi Arampatzis, Pavlos S. Efraimidis and George Drosatos. Enhancing Deniability against Query-logs. In proceedings of the 33rd European Conference on Information Retrieval (ECIR 2011), pages 117-128, LNCS Vol. 6611, Springer, Dublin, Ireland, 18-21 Apr. 2011, DOI: [10.1007/978-3-642-20161-5_13](https://doi.org/10.1007/978-3-642-20161-5_13), [Acceptance rate: 20%, ISI Proceedings, CORE Rank: A].
- [C2] George Drosatos and Pavlos S. Efraimidis. A Privacy-Preserving Protocol for Finding the Nearest Doctor in an Emergency. In proceedings of the 3rd International Conference on Pervasive Technologies Related to Assistive Environments (PETRA 2010), pages 18:1-18:8, ACM, Samos, Greece, 23-25 June 2010, DOI: [10.1145/1839294.1839316](https://doi.org/10.1145/1839294.1839316).
- [C1] Pavlos S. Efraimidis, George Drosatos, Fotis Nalbadis and Aimilia Tasidou. Towards Privacy in Personal Data Management. In proceedings of the 12th Pan-hellenic Conference on Informatics (PCI 2008), pages 3-7, IEEE, Samos, Greece, 28-30 Aug. 2008, DOI: [10.1109/PCI.2008.11](https://doi.org/10.1109/PCI.2008.11), [ISI Proceedings].

4.7.4. Other Conferences, Announcements

- [O17] Sotirios Gyftopoulos, George Drosatos and Eleni Kaldoudi. Emotion Analysis of the Interaction Between Pharmaceutical Companies and the Public on Social Media. In the book of extended abstracts of the 10th Panhellenic Conference on Biomedical Technology (ELEVIT 2023), page 128, Thessaloniki, Greece, 6-8 October 2023, [ISBN: 978-960-243-742-1].
- [O16] Konstantinos Iliadis, Kyriakos Pantoglou, Chairi Kiourt, George Drosatos, George Ioannakis, Anestis Koutsoudis, Despoina Tsiafaki, Spyridon Mouroutsos, Stella Markantonatou and George Pavlidis. Extended Reality Collaborative Approaches for Museums Management and Exhibition Planning. In the book of abstracts of the 1st Workshop on Human-Centric Sciences and Technologies in Greece, Xanthi, Greece, 20 October 2022, DOI: [10.5281/zenodo.10020870](https://doi.org/10.5281/zenodo.10020870).
- [O15] Andreas Sendros, George Drosatos, Pavlos S. Efraimidis and Nestor C. Tsirliganis. Fungible and Non-Fungible Tokens in Agriculture Production. In the book of abstracts of the 1st Workshop on Human-Centric Sciences and Technologies in Greece, Xanthi, Greece, 20 October 2022, DOI: [10.5281/zenodo.11408043](https://doi.org/10.5281/zenodo.11408043).
- [O14] George Sidiropoulos, Chairi Kiourt, George Drosatos, Spyridon Mouroutsos, Stella Markantonatou and George Pavlidis. Design and Development of an Animated Augmented Reality-based App for Storytelling. In the book of abstracts of the 1st Workshop on Human-Centric Sciences and Technologies in Greece, Xanthi, Greece, 20 October 2022, DOI: [10.5281/zenodo.10375680](https://doi.org/10.5281/zenodo.10375680).
- [O13] Metaxia Kyritsaki, Chairi Kiourt, George Drosatos, George Ioannakis, Anestis Koutsoudis, Despoina Tsiafaki, Spyridon Mouroutsos, Stella Markantonatou and George Pavlidis. Towards New Models for

- the Sustainability and Development of Small Cultural Institutes. In the book of abstracts of the 1st Workshop on Human-Centric Sciences and Technologies in Greece, Xanthi, Greece, 20 October 2022, DOI: [10.5281/zenodo.10021231](https://doi.org/10.5281/zenodo.10021231).
- [O12] Christoforos Spartalis, Avi Arampatzis, Eleni Kaldoudi and George Drosatos. Transfer Learning for Self-Report Questionnaire Completion and Measurement of the Severity of Signs of Depression based on Social Media Posts. In the book of abstracts of the 1st Workshop on Human-Centric Sciences and Technologies in Greece, Xanthi, Greece, 20 October 2022, DOI: [10.5281/zenodo.11408089](https://doi.org/10.5281/zenodo.11408089).
- [O11] Dimitris A. Dimitriadis, George Drosatos, Vasilis Petrakis, Periklis Panagopoulos, Dimitrios Papazoglou and Eleni Kaldoudi. Algorithmic trends detection of zoonoses: Bibliographic data analysis of the last 25 years. In the book of abstracts of the 20th Panhellenic Infectious Conference, page 19, Athens, Greece, 5-8 March 2020, [in Greek].
- [O10] George Drosatos, Olga Tsoumani and Styliani Geronikolou. PhubMit - A New Smart Intervention for Estimating and Mitigating the Cell Phone Induced Ostracism (Phubbing). In the book of abstracts of the 1st International Symposium "ELECTROMAGNETIC FIELDS (EMFs) and HEALTH", Athens, Greece, 14-15 September 2018, [ISBN: 978-618-84009-0-0].
- [O9] George Drosatos, Fotis Nalmpantis, Victoria Baines, Elvira Bolat, Laura Vuillier, Theodoros Kostoulas, Emily Arden-Close, John McAlaney, Keith Phalp and Raian Ali. A Conceptual Architecture for Empowering Responsible Online Gambling with Predictive, Real-time, Persuasive and Interactive Intervention. In Poster track of the 13th International Conference on Persuasive Technology (Persuasive 2018), Waterloo, Canada, 16-19 April 2018.
- [O8] Laurynas Rimsevicius, Domantas Stundys, Neringa Bileisiene, Marius Miglinas, Diana Sukackiene, Loreta Vaskeviciute, Stamatia Pouliliou, Dimitrios Papazoglou, Konstantinos Zagkas, Stefanos Roumeliotis, George Drosatos, Ploumis Passadakis and Eleni Kaldoudi. Rationale of a Study for Patient Empowerment and Shared Decision Support for Cardiorenal Syndrome. In the book of abstracts of the XIII Baltic Nephrology Conference, Jurmala, Latvia, 13-15 October 2016.
- [O7] Nick Portokallidis, George Drosatos and Eleni Kaldoudi. Aggregating Educational Data for Patient Empowerment. In the book of extended abstracts of the 6th Panhellenic Conference on Biomedical Technology (ELEVIT 2015), page 79, Athens, Greece, 6-8 May 2015.
- [O6] Nick Portokallidis, George Drosatos and Eleni Kaldoudi. Semantic Conceptual Model for Managing Clinical Protocols. In the book of extended abstracts of the 6th Panhellenic Conference on Biomedical Technology (ELEVIT 2015), page 78, Athens, Greece, 6-8 May 2015.
- [O5] Giorgos Stamatelatos and George Drosatos. Controlled Access in Enclosed Building using a Computer. Demo track of the 5th Electrical and Computer Engineering Student Conference (SFHMMY 2012), Xanthi, Greece, April 6-7, 2012, [in Greek].
- [O4] Stefanos Oikonomou, George Drosatos, Theocharis Papadopoulos and Maria Oikonomou. Investigate via Internet the Consumer's Willingness to Pay for the Sake of the Environmental Protection. In proceedings of the 2nd International Scientific Conference on "Energy and Climate Change", PROMITHEAS Network, Athens, Greece, 8-9 Oct. 2009.
- [O3] Stefanos Oikonomou, George Drosatos, Theocharis Papadopoulos and Maria Oikonomou. Investigate via Internet the Personal Values in Life and How Determine the Consumer's Environmental Behavior. In proceedings of the 2nd International Scientific Conference on "Energy and Climate Change", PROMITHEAS Network, Athens, Greece, 8-9 Oct. 2009.
- [O2] Stefanos Oikonomou and George Drosatos. The Eagerness of Payment for the Environmental Protection as Interrelation of Ideas for the Environmental Devalorisation. In proceedings of the 2nd Pan-hellenic Planning and Regional Development Conference, pages 1081-1087, Volos, Greece, 24-27 Sept. 2009, [in Greek].

- [O1] Giorgos Stamatelatos, George Drosatos and Pavlos S. Efraimidis. Quantum: A Peer-to-Peer Network for Distributed Computations with Enhanced Privacy. In proceedings of the 3rd Pan-hellenic Scientific Student Conference on Informatics (EYRKA 2009), pages 201-210, Corfu, Greece, 10-12 Sept. 2009, [in Greek].

4.7.5. Textbooks, Notes, Technical Reports and Research Project Deliverables

- [T13] Romualdas Kizlaitis, Neringa Bileisiene, Roma Puronaite, Domantas Stundys, Gintare Juozalenaite, Tomas Smagurauskas, Dimitris Papazoglou, Konstantinos Zagkas, Stefanos Roumeliotis, Ploumis Passadakis, Stamatia Pouliliou, George Drosatos, Nikos Makris and Eleni Kaldoudi. D.7.4. Use Case Deployment & Evaluation, pages 1-117, CARRE Project (<https://www.carre-project.eu>), EU 7th Framework Programme, Oct. 2016, [EC accepted].
- [T12] Enjie Liu, Youbing Zhao, George Drosatos, Nick Portokallidis, Eleni Kaldoudi, Hui Wei, Allan Third, Vaidotas Marozas, Andrius Solosenko, Saulius Daukantas, Tomas Smagurauskas, Jan Piwinski and Gordon Clapworthy. D.7.3. Integrated Service Environment, pages 1-74, CARRE Project (<https://www.carre-project.eu>), EU 7th Framework Programme, June 2016, [EC accepted].
- [T11] George Drosatos, Dimitris Papazoglou, Konstantinos Zagkas, Stefanos Roumeliotis, Neringa Karvelyte, Gintare Juozalenaite, Laurynas Rimsevicius, Domantas Stundys, Stamatia Pouliliou, Ploumis Passadakis and Eleni Kaldoudi. D.6.2. Personalized Services for the Patient, pages 1-69, CARRE Project (<https://www.carre-project.eu>), EU 7th Framework Programme, Apr. 2016, [EC accepted].
- [T10] George Drosatos, George Gkotsis, Romualdas Kizlaitis, Enjie Liu, Arunas Lukosevicius, Vaidotas Marozas, Nick Portokallidis, Andrius Solosenko, Dainius Stankevičius and Hui Wei. D.7.2. Aggregator Testing and RDF Repository Populated with Test Data, pages 1-49, CARRE Project (<https://www.carre-project.eu>), EU 7th Framework Programme, Apr. 2015, [EC accepted].
- [T9] George Drosatos, George Gkotsis, Enjie Liu, Nick Portokalidis and Allan Third. D.4.2. Schema Mapping & Metadata Enrichment, pages 1-79, CARRE Project (<https://www.carre-project.eu>), EU 7th Framework Programme, Apr. 2015, [EC accepted].
- [T8] K. Kotropoulos, S. F. Tsakiridis, P. Medentzidou, S. Samaras, I. Pipilis, K. Pliakos, E. Giouvanakis, G. Drosatos, A. Chasapi, S. Gyftopoulos, P. S. Efraimidis, Ch. Chamzas, I. Athanasiadis, A. Koutsoudis, K. Stavroglou, A. Arampatzis, M. Topalidou, G. Drosatos, G. Stamatelatos, A. Chatzitoulousis, S. Foteinopoulos, D. Bleris, V. Tzialamani, A. Tsitsiokas, I. Pothitos, A. Gavrilis, Ch. Gkrezios, S. Evangelopoulos, D. Papadopoulos, P. Vezynias and A. Oikonomou. D.4.3. Final Version of Services in the ATLAS System, pages 1-52, ATLAS Project (<http://atlas.web.auth.gr>), Greek General Secretariat of Research and Technology (GSRT), CO-OPERATION 2011, Mar. 2015, [GSRT accepted]. (in Greek)
- [T7] P. S. Efraimidis, I. N. Athanasiadis, A. Arampatzis, G. Drosatos, G. Stamatelatos, A. Chatzitoulousis, Ch. Chamzas, A. Koutsoudis, K. Stavroglou, S. Foteinopoulos, D. Bleris, Ch. Gkrezios and Z. Kousaki. D.3.2. Algorithms for Retrieving Tourist Information from Multiple Media and Demonstration of their Operation, pages 1-53, ATLAS Project (<http://atlas.web.auth.gr>), Greek General Secretariat of Research and Technology (GSRT), CO-OPERATION 2011, Mar. 2015, [GSRT accepted]. (in Greek)
- [T6] Enjie Liu, George Gkotsis, Hui Wei, Xiangrong Zhang, Nick Portokallidis, George Drosatos. D.3.4. Aggregators for Medical Scientific & Educational Data, pages 1-47, CARRE Project (<https://www.carre-project.eu>), EU 7th Framework Programme, Jan. 2015, [EC accepted].
- [T5] George Drosatos, Romualdas Kizlaitis, Domantas Stundys and Evaldas Valys. D.3.3. Aggregators for Personal Medical & Lifestyle Data, pages 1-35, CARRE Project (<https://www.carre-project.eu>), EU 7th Framework Programme, Jan. 2015, [EC accepted].
- [T4] K. Kotropoulos, E. Giouvanakis, K. Pliakos, P. S. Efraimidis, Ch. Chamzas, I. Athanasiadis, A. Koutsoudis, K. Stavroglou, A. Arampatzis, M. Topalidou, G. Drosatos, G. Stamatelatos, A.

- Chatzitoulousis, S. Foteinopoulos, D. Bleris, V. Tzialamani, A. Tsitsiokas, I. Pothitos, A. Gavrilis, Ch. Gkreziou, S. Evangelopoulos, D. Papadopoulos, P. Vezynias and A. Oikonomou. D.4.1. First Version of an Operational Prototype that Incorporates the Algorithms Developed in the ATLAS Project, pages 1-57, ATLAS Project (<http://atlas.web.auth.gr>), Greek General Secretariat of Research and Technology (GSRT), CO-OPERATION 2011, Jan. 2015, [GSRT accepted]. (in Greek)
- [T3] Zhikun Deng, George Drosatos, George Gkotsis, Rafal Kloda, Enjie Liu, Vaidotas Marozas, Jan Piwinski, Andrius Solosenko and Xia Zhao. D.2.5. CARRE Architecture, pages 1-41, CARRE Project (<https://www.carre-project.eu>), EU 7th Framework Programme, Nov. 2014, [EC accepted].
- [T2] K. Kotropoulos, M. Panagopoulos, K. Pliakos, E. Giouvanakis, I. Pitas, P. S. Efraimidis, I. N. Athanasiadis, A. Arampatzis, G. Drosatos, G. Stamatelatos, D. Bleris, V. Tzialamani, A. Tsitsiokas, Ch. Gkreziou, D. Papadopoulos, Z. Kousaki, A. Oikonomou and P. Vezynias. D.2.2. Algorithms for Effective Image Indexing both Geographically and Visually and Demonstration of their Operation, pages 1-34, ATLAS Project (<http://atlas.web.auth.gr>), Greek General Secretariat of Research and Technology (GSRT), CO-OPERATION 2011, Mar. 2013, [GSRT accepted]. (in Greek)
- [T1] George Drosatos, Pavlos S. Efraimidis and Alexandros Karakos. Secure mobile database applications: A case study. Technical Report LPDP-2007-01, Dept. of Electrical and Computer Engineering, Democritus University of Thrace, Xanthi, Greece, 2007.

4.7.6. Dissertations

- [D3] George Drosatos. Utilization and Protection of Personal Data in Ubiquitous Computing Environments (**PhD Thesis**). Department of Electrical and Computer Engineering, Democritus University of Thrace, Xanthi, Greece, 2013, DOI: [10.12681/eadd/30085](https://doi.org/10.12681/eadd/30085).
- [D2] George Drosatos. Algorithms for Exploiting Personal Location Data While Protecting Privacy: Application in Provision of Medical Services (**Master thesis**). Department of Electrical and Computer Engineering, Democritus University of Thrace, Xanthi, Greece, 2010.
- [D1] George Drosatos. Data Management on Platforms with Limited Computational Resources (**Diploma thesis**). Department of Electrical and Computer Engineering, Democritus University of Thrace, Xanthi, Greece, 2006.

4.7.7. Impact of Research Activities

Series in the author team	
Full-text publications after peer review	72
1st author in	24 (33.3%)
2nd author in	26 (36.1%)
3rd author in	12 (16.7%)
other position in	8 (11.1%)
last author in	8 (11.1%)

Impact of published work based on citations (results on 07-10-2025)	
Total citations by Google Scholar	1608
Total citations by Scopus	959
H-index according to Google Scholar	21
i10-index according to Google Scholar	35

H-index according to Scopus	17
-----------------------------	----

Impact indicators of the journals/conferences in which the publications appear				
	Impact Factor	CiteScore	SJR	H-index
number of publications that have a value in this indicator	33	54	56	56
average of the indicator	3.784	4.339	0.637	98.519
maximum indicator value	9.3	14.8	2.29	470
minimum indicator value	1.4	0.7	0.13	6
sum	116.909	221.3	34.396	5320

4.8. Analysis of Research Activities

The research carried out in the context of my PhD [D3], Master's thesis [D2] and my diploma thesis [D1] falls within the scope of the subject "Privacy Technologies in Content Analysis and Retrieval" and focuses on data management and protection in ubiquitous computing platforms, as well as on the realization of distributed computing through interconnected network devices with applications in the field of health care. More specifically, the subject of my thesis [D1] was data management on platforms with limited computing resources, providing graded permissions according to users and ensuring privacy of their personal data even by the administrators themselves [T1]. Within my master thesis [D2], a standard secure protocol for finding the nearest doctor in emergency situations was developed, ensuring the privacy of doctors, even though their current geographical location is used by their mobile devices [C1][C2][O1].

Similarly, in the context of my PhD thesis [D3], first of all, the Polis architecture [J1] was proposed, which has the ability to manage an individual's personal data, on his/her own side, providing controlled access to it and meeting the requirements set by data protection regulations (such as GDPR 2016/679). In addition, four model applications were studied, proposed and developed to provide useful services for society by making use of personal data and performing distributed privacy-enhanced computations. In particular, a solution to the problem of finding the nearest doctor using location data [J3], an architecture for statistical analysis of ubiquitous medical monitoring data [C4][C5][J5], a system for generating environmental noise maps from volunteers sending their data (i.e. noise measurements and geographic coordinates) to the Cloud [C7][J4] and a new architecture for computing telepresence through Smart TVs and ensuring viewer privacy [C6][J9]. In addition, two methods ([C3][J2], [C8][J6]) were proposed that aim to protect the privacy of users from search engines while reaching the desired search results.

After the completion of my PhD research, my research continued and extended to the research area of tourist information recommendation, again trying to ensure user privacy without revealing profile and geographic location data to third parties [C9][C11][J7]. This research was fortunate to be funded by the ATLAS research project [GRP-10] (with deliverables [T2], [T4], [T7] and [T8]). As a continuation of my postdoctoral research, I participated as a researcher and project manager in the research project CARRE [EUP-7] (with deliverables [T3], [T5], [T6], [T9-T13]) and in the School of Medicine, Democritus University of Thrace, thus extending my research activities in the field of eHealth. Within the CARRE project [EUP-7] and Oncorecords [GRP-8], I was invited to apply my existing knowledge to the medical data of patients, which belong to the category of sensitive personal data according to the General Data Protection Regulation (GDPR). My research results in the field of e-health extend to both privacy [J34][C10][C13][C20][S-6], data anonymization [C36], sensor security [C18] and medical data integrity [J10][C19], as well as in the areas of medical

knowledge retrieval [J13][J19][J20][C12][C17][C21][O7][O11], medical data modelling [C14-C16][O6][S-7][S-8][S-9] and its visualisation [J8][O8].

In addition, through my involvement in the EROGamb [IRP-1] research project and at Bournemouth University, an attempt was made so that personal data from gambling [J11][J16][C22][O9] could be used not only for the benefit of the betting company in question, but also for the benefit of the user themselves by making them bet responsibly while helping them with mental health issues they may be experiencing [C30][O10][O12]. At the same time, on the occasion of the AKSEID project [GRP-9] and PROMOTE [GRP-7], my research also focused on the analysis of data from social networks [J15][J18][J21][C24][C26] and on the application of my expertise in Internet of Things applications [J24][C28][C29] and Immersive Technologies [J29][C35][O13][O14][O16] within the projects [GRP-2][GRP-3][GRP-4][EUP-1].

An additional dimension given to my research activity is the use of innovative data security technologies [B3], such as blockchain technology [B1][J14][J14][J25][J27][C23][C25][C32][O15][S-1][S-4] (with related projects [GRP-5][EUP-3][EUP-4][EUP-5]) and security policy management [J17][J26][C27], and further studied privacy-enhancing approaches to machine learning [C31][S-3], such as federated learning [B2][J28][J30][S-2] (with a related project [EUP-2]), since it is now an integral part of all modern computing systems. In fact, recently my research, and in conjunction with the projects [GRP-1][GRP-6][EUP-6], has expanded into data analysis to serve the needs in the area of computational social science [J22][J23][J31][J32][J33][C33][C34][O17] and any privacy issues that arise in the analysis of such data.