CURRICULUM VITAE

Surname:	Vassilakis
Name:	Costas (Constantine)
Father name:	Thomas
Date of birth:	October 5, 1968
Place of birth:	Arta
Address:	Metamorfoseos 31, Tripoli, 22100, Greece.
Phone:	+302710372203 (work), +3069748674440 (mobile)
e-mail:	costas@uop.gr
Web:	http://www.uop.gr/~costas

Education

1990: Degree in Informatics from the Department of Informatics, University of Athens, Greece (1990). Dissertation: *An Object-Oriented Design for Hypermedia Databases*.

1995: PhD from the Department of Informatics, University of Athens, Greece (Ph.D. Thesis: *Design and optimised implementation of an historical database management system*) (1995).

Scholarships

I was receiving a grant from the Greek Scholarship Institute during the period 1991-1995.

Academic positions held

- 5/2017-now: Professor in the Department of Informatics and Telecommunications of the University of the Peloponnese
- 6/2013-5/2017: Associate Professor in the Department of Informatics and Telecommunications of the University of the Peloponnese
- 7/2011-5/2013: Associate Professor in the Department of Computer Science and Technology of the University of the Peloponnese
- 9/2005-7/2011: Assistant Professor in the Department of Computer Science and Technology of the University of the Peloponnese
- During the academic years 2002-2003 and 2003-2004 and 2004-2005 I was a visiting Associate Professor in the Department of Computer Science and Technology of the University of the Peloponnese
- During the academic year 2001-2002 I was a visiting Assistant Professor in the Department of Informatics and Telecommunications of the University of Athens.
- During the academic years 1998-1999, 1999-2000 and 2000-2001 I was a visiting lecturer in the Department of Informatics and Telecommunications of the University of Athens.

Academic positions of responsibility

- Dean of the Faculty of Economics and Technology (May 2019-now)
- Member of the appointed steering committee of the Department of Management Science and Technology of the University of the Peloponnese (June 2019-March 2020)
- Dean of the Faculty of Economics, Management and Informatics (September 2018-May 2019)
- Member of the Senate of the University of the Peloponnese (September 2018-now)
- Director of the Postgraduate programme on Computer Science of the University of the Peloponnese (2018-today)
- Member of the Quality Assurance Unit of the University of the Peloponnese (March 2018-now)
- Member of the Council of the University of the Peloponnese (November 2012-August 2016)
- Member of the strategic planning committee of the Department of Informatics and Telecommunications, University of the Peloponnese (2014-today)
- Vice president of the Committee for Innovation and Entrepreneurship of the University of the Peloponnese (2015-today)
- Member of the Undergraduate Studies Committee of the Department of Informatics and Telecommunications, University of the Peloponnese (2014-today)
- Member of the steering committee of the Postgraduate programme on Data Science (July 2016-today)
- Member of the steering committee of the Postgraduate programme on Computational Finance (7/2016-8/2018)
- Member of the steering committee of the Postgraduate programme on «Space Science, Technologies and Applications» (September 2016-today)
- Director of the Postgraduate programme on Computer Science and Technology of the University of the Peloponnese (2009-2018)
- Chair of the Information Systems committee of the University of the Peloponnese (2010-2012)

- Member of the Four Year Planning Committee of the University of the Peloponnese (2006-2009)
- Coordinator of the Networks Operation Center of the University of the Peloponnese (2004-2011)

Other positions held

- During the period October 1998-January 2002 I was holding a position of a special advisor to the Secretary General for Information Systems in the Greek Ministry of Finance.
- During the period July 2001-December 2001 I was holding a position of Informatics Consultant in the Onasis Cardiac Surgery Center.
- Member of the Advisory Technical Council of the Greek state (September 2010-September 2012)
- Vice president of the Advisory Technical Council of the Greek state (September 2011-September 2012)

Scientific interests

Information systems, semantic web, systems software, distributed architectures and applications, software engineering, WWW, information management systems, databases and temporal databases, data presentation and visualization, virtual reality, immersive applications.

Publications

Books-Monographs

BM1.   «Real time systems», Dimitris Maroulis and Costas Vassilakis, ISBN: 978-960-418-457-6, Tziola Publications, 2015 (https://www.tziola.gr/book/marou/) (in greek)

Publications in International Journals

J1.   "Parallel Optimisation of Join Queries Using a Technique of Exhaustive Nature", M. Spiliopoulou, M. Hatzopoulos and C. Vassilakis, in "Computers and Artificial Intelligence", Vol 12, 1993, No. 2, pp. 145-166.

J2.   "A Cost Model for the Estimation of Query Execution Time in a Parallel Environment Supporting Pipeline", M. Spiliopoulou, M. Hatzopoulos and C. Vassilakis, "Computers and Artificial Intelligence", Vol. 14, 1996, No. 1, pp. 341-368.

J3.   "Implementation of Transaction and Concurrency Control Support in a Temporal DBMS", C. Vassilakis, N. Lorentzos and P. Georgiadis, Information Systems vol. 23, No 5., pp. 335-350, 1998.

J4.   "An Optimisation Scheme for Coalesce/Valid Time Selection Operator", Costas Vassilakis, SIGMOD Record, vol. 29, number 1, March 2000, pp. 38-43.

J5.   "Function Oriented History Representation in Databases", Laszlo Kovacs and C. Vassilakis, Computers and Artificial Intelligence, vol. 19, 2000, pp. 417-444.

J6.   "A system to support dissemination of knowledge and sharing of experiences in the working environment", G. Lepouras, C. Vassilakis and G. R. S. Weir, International Journal of Continuing Engineering Education and Life-Long Learning, Special Edition: Technological Support for New Educational Perspectives, vol. 13 no. 3/4, 2003, pp. 248-257.

J7.   "A Framework for Managing the Lifecycle of Transactional e-Government Services", C. Vassilakis, G. Laskaridis, G. Lepouras, S. Rouvas, P. Georgiadis, Telematics and Informatics, vol. 20/4, pp 315-329, 2003, Elsevier Science Publications Ltd.

J8.   "Integrating e-Government Public Transactional Services in the Public Authority Workflow", Costas Vassilakis, George Lepouras, Stathis Rouvas, Panagiotis Georgiadis, Electronic Government, vol. 1 no. 1, 2004.

J9.   "Real exhibitions in a virtual museum", George Lepouras, Akrivi Katifori, Costas Vassilakis, Dimitrios Charitos, Virtual Reality (2004) 7: 120–128, Springer-Verlag.

J10.   "A Web Browser for ISDN Card Phones", Dimitris Maroulis, Sotiris Aronis, Vassiliki Nassiopoulou, Nikos Grammenos, Costas Vassilakis, Journal of Internet Technology, vol 5, no 3, 2004.

J11.   "Virtual Museums for all: Employing Game Technology for Edutainment", George Lepouras and Costas Vassilakis, Virtual Reality Volume 8, Number 2, June 2004, pp. 96-106.

J12.   "Exploiting Form Semantics and Validation Checks to Improve e-Form Layout", Costas Vassilakis, George Lepouras, Stathis Rouvas and Panagiotis Georgiadis, International Journal of Web Engineering and Technology, Vol 2 No. 1, (2005), pp. 81-96.

J13.   "An XML model for electronic services", Costas Vassilakis, George Lepouras, Constantin Halatsis and Tomas Pariente Lobo, Electronic Government, Vol. 2, No.1 pp. 41 – 55, 2005.

J14.   "A Flexible Framework for Managing Temporal Clinical Trial Data", Michael Souillard, Carine Souveyet, Costas Vassilakis, Anya Sotiropoulou, International Journal of Electronic Healthcare, Volume 1, Number 4/2005

J15.   "Barriers To Electronic Service Development", Costas Vassilakis, George Lepouras, John Fraser, Simon Haston, Panagiotis Georgiadis, e-Service Journal, Fall 2005, Vol. 4, No. 1, Pages 41-63.

J16.   "Domain Expert User Development: The SmartGov Approach", George Lepouras Costas Vassilakis, Constantin Halatsis, Panagiotis Georgiadis, Communications of the ACM, Volume 50 , Issue 9, September 2007.

J17.   "A Knowledge-Based Approach for Developing Multi-Channel e-Government Services", Costas Vassilakis, George Lepouras, Constantin Halatsis, Journal of Electronic Commerce Research and Applications, Volume 6, Issue 1 (January 2007).

J18.   "Component reuse in electronic services development", Costas Vassilakis, George Lepouras, Journal of Computational Methods, Special Issue in Science and Engineering, Volume 6, Supplement 2 / 2006, pp. 229 - 241.

J19.   "Ontology Visualization Methods – A Survey", Akrivi Katifori, Constantin Halatsis, George Lepouras, Costas Vassilakis, Eugenia Giannopoulou, ACM Computing Surveys, . Volume 39, Issue 4 (2007)

J20. "Virtual reality in the e-Society", G. D. Magoulas, G. Lepouras, C. Vassilakis, Virtual Reality Journal, Special issue "Virtual reality in the e-Society" Volume 11, Issue 2 (June 2007).

J21. "Mobile and Context-Aware e-Commerce: Issues, Challenges and Research Directions", Costas Vassilakis, George Lepouras, Spiros Skiadopoulos, Journal of Electronic Commerce in Organizations, Special Issue Editorial Preface, Vol. 6, Issue 1, 2008.

J22. "An Active Blackboard for Service Discovery, Composition and Execution", George Lepouras, Costas Vassilakis, Anya Sotiropoulou, Dimitrios Theotokis, Akrivi Katifori, International Journal of Electronic Governance, 2008 Vol.1, No.3, pp.275 - 295.

J23. "A Heuristics-Based Approach to Reverse Engineering of Electronic Services", C. Vassilakis, G. Lepouras, A. Katifori, Information and Software Technology, Elsevier Press, Volume 51, Issue 2, February 2009, Pages 325–336.

J24. "An Integrated Environment for Cataloguing and Online Presentation of Museum Exhibits", Costas Vassilakis, Akrivi Katifori, Elias Daradimos and George Lepouras, DESIDOC Journal of Library and Information Technology, Vol. 28, No. 4, July 2008, pp. 72-78.

J25. "Ontologies and the Brain: Using Spreading Activation through Ontologies to Support Personal Interaction", Akrivi Katifori, Costas Vassilakis, Alan Dix, Cognitive Systems Research, Special Issue on Brain Informatics, Volume 11, Issue 1, March 2010, Pages 25–41.

J26. "QoS-aware Exception Resolution for BPEL Processes: A Middleware-based Framework and Performance Evaluation", Christos Kareliotis, Costas Vassilakis, Efstathios Rouvas, Panayiotis Georgiadis, International Journal on Web and Grid Services (IJWGS), Volume 5 Issue 3, September 2009.

J27. "Spreading Activation Over Ontologies: From Personal Context To Web Scale Reasoning", Alan Dix, Akrivi Katifori, Giorgos Lepouras, Costas Vassilakis and Nadeem Shabir. International Journal of Semantic Computing, Special issue on Web Scale Reasoning, Volume: 4, Issue: 1(2010) pp. 59-102, DOI: 10.1142/S1793351X10000973.

J28. "The Conceptual Model of Context for Mobile Commerce Applications", Benou Poulcheria, Vassilakis Costas, Electronic Commerce Research, Volume 10, Number 2, 139-165, DOI: 10.1007/s10660-010-9050-4, Springer-Verlag.

J29. "From the Web of Data to a World of Action", Alan Dix, Giorgos Lepouras, Akrivi Katifori, Costas Vassilakis, Tiziana Catarci, Antonella Poggi, Yannis Ioannidis, Miguel Mora, Ilias Daradimos, Nazihah Md.Akim, Shah Rukh Humayoun, Fabio Terella. Journal of Web Semantics, Volume 8, Issue 4, November 2010, Pages 394-408, Elsevier Science Publishers.

J30. "Improving performance of a wireless multimedia traffic-oriented network through prediction of routing", D. C. Vasiliadis, G. E. Rizos, C. Vassilakis, International Journal on Information Technologies & Security, no 3, 2010

J31. "Historical research in archives: user methodology and supporting tools", Elena Torou, Akrivi Katifori, Costas Vassilakis, George Lepouras, Constantin Halatsis, International Journal on Digital Libraries, Springer-Verlag, March 2010, Volume 11, Issue 1, pp 25-36.

J32. "Modelling and performance evaluation of a novel internal priority routing scheme for finite-buffered multistage interconnection networks", D. C. Vasiliadis, G. E. Rizos, C. Vassilakis and E. Glavas, International Journal of Parallel, Emergent and Distributed Systems, Taylor & Francis, iFirst, DOI:10.1080/17445760.2010.539218.

J33. "Performance Analysis of Dual-Priority Multilayer Multistage Interconnection Networks under Multicast Environment", Dimitris C. Vasiliadis, George E. Rizos, Costas Vassilakis. Journal of Networks, June 2011, Academy publishers.

J34. "Performance Study of Multi-Layered Multistage Interconnection Networks under Hotspot Traffic Conditions", Dimitris C. Vasiliadis, George E. Rizos, Costas Vassilakis. Journal of Computer Systems, Networks, and Communications, Volume 2010 (2010), doi:10.1155/2010/403056, Hindawi Publishing Corporation.

J35. "Wikis in enterprise settings: a survey", Lykourentzou Ioanna, Dagka Foteini, Papadaki Katerina, Lepouras Giorgos and Vassilakis Costas. Enterprise Information Systems. First published on: 14 June 2011 (iFirst) DOI: 10.1080/17517575.2011.580008, URL: http://dx.doi.org/10.1080/17517575.2011.580008.

J36. "Towards a methodological framework for the cognitive-behavioural evaluation of educational e-games", Angeliki Antoniou, Dimitris Diakakis, George Lepouras and Costas Vassilakis. Int. J. Learning Technology, Vol. 6, No. 3, pp. 263-287.

J37. "Performance Analysis of Multi-Layered Multi-Priority Asymetric-Sized Delta Networks", D. C. Vasiliadis, G. E. Rizos, C. Vassilakis. Journal of Computer Networks, and Communications, Volume 2011 (2011), Article ID 723102, doi:10.1155/2011/723102, Hindawi Publishing Corporation.

J38. "A distributed recommender system architecture", Panagiotis Giannikopoulos and Costas Vassilakis, International Journal of Web Engineering and Technology, Vol. 7, No. 3, 2012, Inderscience Publishers.

J39. "Class-Based Weighted Fair Queuing Scheduling on Dual-Priority Delta Networks", D. C. Vasiliadis, G. E. Rizos, C. Vassilakis Journal of Computer Networks and Communications, Hindawi Publishing Corporation, Volume 2012 (2012), Article ID 859694, 13 pages, http://dx.doi.org/10.1155/2012/859694.

J40. "Context Management for m-Commerce Applications: Determinants, Methodology and the Role of Marketing", Poulcheria Benou, Costas Vassilakis, Adam Vrechopoulos. Information Technology and Management vol. 13, pp. 91–111, 2012, Springer-Verlag.

J41. "A context management architecture for m-commerce applications", Poulcheria Benou, Costas Vassilakis, Central European Journal of Computer Science, Versita, co-published with Springer Verlag, June 2012, Volume 2, Issue 2, pp 87-117.

J42. "Class-Based Weighted Fair Queuing Scheduling on Quad-Priority Delta Networks", D. C. Vasiliadis, G. E. Rizos, C. Vassilakis, International Journal of Parallel, Emergent and Distributed Systems, 27:5, 435-457, 2012, Taylor & Francis.

J43. "A methodology for the design of online exhibitions", Angeliki Antoniou, George Lepouras and Costas Vassilakis DESIDOC Journal of Library & Information Technology, Vol. 33, No. 3, May 2013, pp. 158-167.

J44.   "Modelling and performance study of finite-buffered blocking Multistage Interconnection Networks supporting natively 2-class priority routing traffic", D. C. Vasiliadis, G. E. Rizos, C. Vassilakis, Journal of Network and Computer Applications, Volume 36, Issue 2, March 2013, Pages 723–737.

J45.   "Performance Tuning of Dual-priority Delta Networks through Queuing Scheduling Disciplines", Dimitris C. Vasiliadis, George E. Rizos, and Costas Vassilakis, Journal of Communications Software and Systems, vol. 9, no. 4, December 2013, pp. 222-235.

J46.   "An integrated framework for adapting WS-BPEL scenario execution using QoS and collaborative filtering techniques", D. Margaris, C. Vassilakis, P. Georgiadis, Science of Computer Programming 98(2015) 707–734.

J47.   "Effectiveness of visualization for information retrieval through ontologies with entity evolution: the impact of ontology modelling", Akrivi Katifori, Costas Vassilakis, George Lepouras, Elena Torou, International Journal of Information Retrieval Research 5(2), 2015.

J48.   "Recommendation Information Diffusion in Social Networks Considering User Influence and Semantics", Dionisis Margaris, Costas Vassilakis and Panagiotis Georgiadis, Social Network Analysis and Mining, Elsevier, https://link.springer.com/article/10.1007/s13278-016-0416-z

J49.   "Query personalization using social network information and collaborative filtering techniques", Dionisis Margaris, Costas Vassilakis and Panagiotis Georgiadis, Future Generation of Computer Systems, Special Issue on Recommender Systems for Large-Scale Social Networks, 2017, DOI: 10.1016/j.future.2017.03.015

J50.   "Enhancing User Rating Database Consistency through Pruning", Dionisis Margaris and Costas Vassilakis, to appear in Transactions on Large-Scale Data- and Knowledge-Centered Systems, XXXIV pp 33-64, special issue on Consistency and Inconsistency in Data-centric Applications, Springer

J51.   "Exploiting Internet of Things Information to Enhance Venues' Recommendation Accuracy", Dionisis Margaris and Costas Vassilakis, December 2017, Volume 11, Issue 4, pp 393–409.

J52.   "Stimulation of Reflection and Discussion in Museum Visits through the use of Social Media", Costas Vassilakis, Angeliki Antoniou, George Lepouras, Vassilis Poulopoulos, Manolis Wallace, Stavroula Bampatzia and Ioannis Bourlakos, Social Networks Analysis and Mining, 7:40, Springer, https://doi.org/10.1007/s13278-017-0460-3

J53.   "exhiSTORY: Smart Exhibits That Tell Their Own Stories", C. Vassilakis, V. Poulopoulos, A. Antoniou, M. Wallace, G. Lepouras and M. Lopez, Nores, Future generation of computer systems, Volume 81, April 2018, Pages 542-556.

J54.   "Using Time Clusters for Following Users' Shifts in Rating Practices", Dionisis Margaris and Costas Vassilakis, Complex Systems Informatics and Modeling Quarterly, Issue 13, December 2017/January 2018

J55.   "Exploiting Rating Abstention Intervals for Addressing Concept Drift in Social Network Recommender Systems", Dionisis Margaris and Costas Vassilakis, Informatics, 5(2): Special Issue "Advances in Recommender Systems", 2018, DOI: 10.3390/informatics5020021

J56.   "Enhancing Rating Prediction Quality through Improving the Accuracy of Detection of Shifts in Rating Practices", Dionisis Margaris and Costas Vassilakis, Transactions on Large-scale Data and Knowledge-Centered Systems, XXXVII. Lecture Notes in Computer Science, vol 10940, pp 151-191. Springer, Berlin, Heidelberg, 2018, https://doi.org/10.1007/978-3-662-57932-9_5.

J57.   "The personality of the influencers, the characteristics of qualitative discussions and their analysis for recommendations to cultural institutions", Vassilis Poulopoulos, Costas Vassilakis, Angeliki Antoniou, George Lepouras, Anastasios Theodoropoulos, Manolis Wallace, Heritage 2018, 1(2), 239-253; https://doi.org/10.3390/heritage1020016

J58.   "Blockchain technologies for leveraging security and privacy", Costas Vassilakis, Homo Virtualis, 2(1), 7-14. doi:http://dx.doi.org/10.12681/homvir.20188

J59.   "Improving collaborative filtering's rating prediction coverage in sparse datasets by exploiting the "friend of a friend" concept", Dionisis Margaris and Costas Vassilakis, International Journal of Big Data Intelligence, accepted for publication

J60.   "Improving collaborative filtering's rating prediction accuracy by considering users' dynamic rating variability", Dionisis Margaris and Costas Vassilakis, International Journal of Big Data Intelligence, accepted for publication

J61.   "Editorial for the Special Issue on 'Modern Recommender Systems: Approaches, Challenges and Applications', Vassilakis, C. and Margaris, D., In Information, 10 (7): 230, 2019, DOI: 10.3390/info10070230.

J62.   "Bringing a peripheral, traditional venue to the digital era with targeted narratives", Angeliki Antoniou, Susana Reboreda Morillo, George Lepouras, Jason Diakoumakos, Costas Vassilakis, Martin Lopez Nores and Catherine Emma Jones, Digital Applications in Archaeology and Cultural Heritage, Volume 14, September 2019, e00111, DOI: 10.1016/j.daach.2019.e00111

J63.   "Handling uncertainty in social media textual information for improving venue recommendation formulation quality in social networks", Dionisis Margaris, Costas Vassilakis and Dimitris Spiliotopoulos, Social Network Analysis and Mining 9(1), 64 pages, 2019, DOI: 10.1007/s13278-019-0610-x

J64.   "Detection of intermittent faults in software programs through identification of suspicious shared variable access patterns", Panagiotis Sotiropoulos and Costas Vassilakis, The Journal of Systems & Software, volume/issue pending, 2019, DOI: 10.1016/j.jss.2019.110455

J65.   "A fine-grained social network recommender system", Markos Aivazoglou, Antonios O. Roussos, Dionisis Margaris, Costas Vassilakis, Sotiris Ioannidis, Jason Polakis, Dimitris Spiliotopoulos, Social Network Analysis and Mining, December 2020, 10:8, DOI: 10.1007/s13278-019-0621-7

J66.   "Human behaviour in multimodal interaction: main effects of civic action and interpersonal and problem-solving skills", Markri, E.; Spiliotopoulos, D.; Vassilakis, C. and Margaris, D. In Journal of Ambient Intelligence and Humanized Computing, TBD (TBD): TBD, 2020, DOI: 10.1007/s12652-020-01846-x

J67.   "An Adaptive Social Network-Aware Collaborative Filtering Algorithm for Improved Rating Prediction Accuracy", Dionisis Margaris, Anna Kobusińska, Dimitris Spiliotopoulos, and Costas Vassilakis. IEEE Access, 8: 68301-68310, 2020, DOI: 10.1109/access.2020.2981567.

J68. "A Semantic Mixed Reality Framework for Shared Cultural Experiences Ecosystems", Vassilakis, C.; Kotis, K.; Spiliotopoulos, D.; Margaris, D.; Kasapakis, V.; Anagnostopoulos, C-N.; Santipantakis, G.; Vouros, G. A.; Kotsilieris, T.; Petukhova, V.; Malchanau, A.; Lykourentzou, I.; Helin, K. M.; Revenko, A.; Gligoric, N. and Pokric, B. In Big Data and Cognitive Computing, 4 (2): 6, 2020. DOI: 10.3390/bdcc4020006

J69. "Hydria: An Online Data Lake for Multi-Faceted Analytics in the Cultural Heritage Domain", Deligiannis, K.; Raftopoulou, P.; Tryfonopoulos, C.; Platis, N. and Vassilakis, C.. In Big Data and Cognitive Computing, 4 (2): 7, 2020. DOI: 10.3390/bdcc4020007.

J70. "What makes a review a reliable rating in recommender systems?", Margaris, D.; Vassilakis, C. and Spiliotopoulos, D. In Information Processing & Management, 57 (6): 102304, 2020, DOI: https://doi.org/10.1016/j.ipm.2020.102304

J71. "An Algorithm for Density Enrichment of Sparse Collaborative Filtering Datasets Using Robust Predictions as Derived Ratings", Margaris, D.; Spiliotopoulos, D.; Karagiorgos, G. and Vassilakis, C. In Algorithms", 13 (7): 174, 2020, DOI: https://doi.org/10.3390/a13070174

J72. "Multimodal Interaction: Correlates of Learners' Metacognitive Skill Training Negotiation Experience", Spiliotopoulos, D.; Makri, E.; Vassilakis, C. and Margaris, D. In Information, 11 (8): 381, 2020, DOI: 10.3390/info11080381

J73. "Data-Assisted Persona Construction Using Social Media Data", Spiliotopoulos, D.; Margaris, D. and Vassilakis, C. In Big Data and Cognitive Computing, 4 (3): 21, 2020, DOI: 10.3390/bdcc4030021

J74. "Examining the use of STEAM Education in Preschool Education", Spyropoulou, C.; Wallace, M.; Vassilakis, C. and Poulopoulos, V. In European Journal of Engineering Research and Science, TBD (TBD), 2020.

J75. "Visualizing the educational data mining literature", Papadogiannis, I.; Platis, N.; Poulopoulos, V.; Vassilakis, C.; Lepouras, G.; Wallace, M. and Karountzou, G. In European Journal of Engineering Research and Science, TBD (TBD), 2020.

J76. "Improving collaborative filtering's rating prediction accuracy by introducing the experiencing period criterion", Margaris, D.; Spiliotopoulos, D.; Vassilakis, C. and Vasilopoulos, D. In Neural Computing and Applications, TBD (TBD): TBD, 2020, DOI: https://doi.org/10.1007/s00521-020-05460-y

J77. Margaris, D.; Spiliotopoulos, D.; Karagiorgos, G.; Vassilakis, C. and Vasilopoulos, D. On Addressing the Low Rating Prediction Coverage in Sparse Datasets Using Virtual Ratings. In SN Computer Science, 2 (4): 255, 2021.

J78. Mathas, C-M.; Vassilakis, C.; Kolokotronis, N.; Zarakovitis, C. C. and Kourtis, M-A. On the Design of IoT Security: Analysis of Software Vulnerabilities for Smart Grids. In Energies, 14 (10): 2818, 2021.

J79. Margaris, D.; Spiliotopoulos, D. and Vassilakis, C. Augmenting Black Sheep Neighbour Importance for Enhancing Rating Prediction Accuracy in Collaborative Filtering. In Applied Sciences, 11 (18): 8369, 2021.

J80. Sakas, D. P.; Reklitis, D. P.; Trivellas, P.; Vassilakis, C. and Terzi, M. C. The Effects of Logistics Websites' Technical Factors on the Optimization of Digital Marketing Strategies and Corporate Brand Name. In Processes, 10 (5): 892, 2022.

J81. Margaris, D.; Vassilakis, C. and Spiliotopoulos, D. On Producing Accurate Rating Predictions in Sparse Collaborative Filtering Datasets. In Information, 13 (6): 302, 2022. DOI: https://doi.org/10.3390/info13060302

J82. Sotiropoulos, P. and Vassilakis, C. The additional testsuite framework: facilitating software testing and test management. In International Journal of Web Engineering and Technology, TBD (TBD), 2022

J83. Spiliotopoulos, D.; Margaris, D. and Vassilakis, C. On Exploiting Rating Prediction Accuracy Features in Dense Collaborative Filtering Datasets. In Information, 13 (9): 428, 2022. DOI: https://doi.org/10.3390/info13090428

J84. Sotiropoulos, P. and Vassilakis, C. The additional testsuite framework: facilitating software testing and test management. In International Journal of Web Engineering and Technology, 17 (3): 296-334, 2022.

J85. Koryzis, D.; Margaris, D.; Vassilakis, C.; Kotis, K. and Spiliotopoulos, D. Disruptive Technologies for Parliaments: A Literature Review. In Future Internet, 15 (2): 66, 2023.

J86. Margaris, D.; Vassilakis, C.; Spiliotopoulos, D. and Ougiaroglou, S. Rating Prediction Quality Enhancement in Low-Density Collaborative Filtering Datasets. In Big Data and Cognitive Computing, 7 (2): 59, 2023.

J87. Sotiropoulos, P.; Mathas, C-M.; Vassilakis, C. and Kolokotronis, N. A Software Vulnerability Management Framework for the Minimization of System Attack Surface and Risk. In Electronics, 12 (10): 2278, 2023.

J88. Papadogiannis, I.; Wallace, M.; Poulopoulos, V.; Vassilakis, C.; Lepouras, G. and Platis, N. An Assessment of the Effectiveness of the Remedial Teaching Education Policy. In Knowledge, 3 (3): 349-363, 2023.

J89. Bouras, V.; Spiliotopoulos, D.; Margaris, D.; Vassilakis, C.; Kotis, K.; Antoniou, A.; Lepouras, G.; Wallace, M. and Poulopoulos, V. Chatbots for Cultural Venues: A Topic-Based Approach. In Algorithms, 16 (7): 339, 2023.

J90. Papadogiannis, I.; Poulopoulos, V.; Platis, N.; Vassilakis, C.; Lepouras, G. and Wallace, M. First Grade GPA as a Predictor of Later Academic Performance in High School. In Knowledge, 3 (3): 513-524, 2023.

Publications in International Conference Proceedings

C1. "An Object-Oriented Data Model for Hypermedia Systems", M. Hatzopoulos, D. Gouscos, M. Spiliopoulou, C. Vassilakis, M. Vazirgiannis, inProceedings of the DELTA Conference in Research and Development, pp. 483-493, the Hague, October1990.

C2. "Using Parallelism and Pipeline for the Optimisation of Join Queries", M. Spiliopoulou, M. Hatzopoulos and C. Vassilakis, Proceedings of the PARLE Conference, Paris, June 1992.

C3. "Transaction Support in a Temporal DBMS", C. Vassilakis, N. Lorentzos and P. Georgiadis, *Recent Advances in Temporal Databases*" Proceedings of "VLDB International Workshop on Temporal Databases", Zurich, September 1995, pp. 255-271.

C4. "A Comparative Study of Temporal DBMS Architectures", C. Vassilakis, P. Georgiadis, A. Sotiropoulou, Proceedings of the 7th International Workshop DEXA 96, Zurich, September1996, pp. 153-164.

C5. "Temporal Extension to ODMG", A. Sotiropoulou, M. Souillard and C. Vassilakis, Proceedings of the 3rd Biennial World Conference on Integrated Design and Process Technology, Vol. 2, Issues and Applications of Database Technology (IADT), Berlin, Germany, 1998, pp. 304-311.

C6.   "TOOBIS: Application of the Management of Temporal Data in Clinical Research" (στα Γαλλικά), M. Souillard, C. Vassilakis and A. Sotiropoulou, Proceedings of INFORSID '98, pp. 145-168.

C7.   "Implementing Embedded Valid Time Query Languages", C. Vassilakis, P. Georgiadis and T. Selis, proceedings of the DEXA '98 Conference, pp. 561-572.

C8.   "Is Server-Side Processing Killing your WWW Server?", C. Vassilakis and G. Lepouras, poster presentation in "The Active Web '99".

C9.   "Distributed information systems tailorability: A component approach", Dimitrios Theotokis, George-Dimitrios Kapos, Costas Vassilakis, Anya Sotiropoulou και Georgios Gyftodimos, Proceedings of the IEEE Future Trends on Distributed Computing, Cape Town, 1999, pp. 95-101.

C10. "Multilingual Web Site Construction and Maintenance", George Lepouras and Costas Vassilakis, Proceedings of the SCI 2000 conference, Vol. I, Orlando, Florida, USA, pp. 56-61

C11. "An approach to designing and implementing virtual museums", D. Charitos, G. Lepouras, C. Vassilakis, V. Katifori and L. Halatsi, proceedings of the VR-SIG 2000 Conference, Glasgow, 2000.

C12. "Building a VR-Museum in a Museum", G. Lepouras, D. Charitos, C. Vassilakis, A Charissi and L. Halatsi, proceedings of the Third International Virtual Reality Conference, VRIC2001, Laval, France, May, 2001.

C13. "Designing a virtual museum within a museum", D. Charitos, G. Lepouras, C. Vassilakis, V. Katifori, A. Charissi, L. Halatsi, Proceedings of the VAST2001 Symposium, November 2001, Athens, Greece.

C14. "e-Citizens and e-Consumers: Is There a Difference?", G. Laskaridis, C. Vassilakis, G. Lepouras, S. Rouvas, Proceedings of the PCHCI 2001 Workshop: "Transforming Web Surfers to E-Shoppers", Patras, Greece, December 2001, pp. 40-50.

C15. "Serving Enhanced Hypermedia Information", G. Lepouras, C. Vassilakis, G. R. S. Weir, Proceedings of the ECIR02, 24th BCS-IRSG European Colloquium on IR Research, Lecture Notes in Computer Science 2291, pp. 86-92, Springer-Verlag Berlin Heidelberg 2002, pp. 86-92.

C16. "SMARTGOV: A Governmental Knowledge-based Platform for Public Sector Online Services", E. Tambouris, G. Boukis, C. Vassilakis, G. Lepouras, S. Rouvas, R. Cañadas, S. Heredia, J. C. López Usero, Proceedings of the KMGov2002, Copenhagen, Denmark, May 2002, pp. 173-185.

C17. "Controlled caching of dynamic WWW pages", C. Vassilakis and G. Lepouras, Proceedings of the DEXA 2002 conference, pp. 9-18.

C18. "Transactional e-Government Services: an Integrated Approach", C. Vassilakis, G. Laskaridis, G. Lepouras, S. Rouvas, P. Georgiadis, Proceedings of the 1st International Conference on Electronic Government – EGOV 2002, pp. 276-279.

C19. "SmartGov: A Knowledge-Based Platform for Transactional Electronic Services", P. Georgiadis, G. Lepouras, C. Vassilakis, G. Boukis, T. Tambouris, S. Gorilas, E. Davenport, A. Macintosh, J. Fraser and D. Lochhead, Proceedings of the 1st International Conference on Electronic Government – EGOV 2002, pp. 362-369.

C20. "An Object-Oriented Approach for Designing Administrative e-Forms and Transactional e-Services", D. Gouscos, S. Rouvas, C. Vassilakis and P. Georgiadis, Proceedings of the OOIS 2002 conference, pp. 19-30.

C21. "Facilitating VR Museums Web Presence", George Lepouras, Akrivi Katifori, Costas Vassilakis, Anna Charissi, Proceedings of HCI 2003, vol. 4, pp. 1143-1147.

C22. "Improving e-form layout through analysis of form semantics and validation checks", Costas Vassilakis, George Lepouras, Stathis Rouvas, Panagiotis Georgiadis, Proceedings of the CAiSE 2003 Forum, pp. 149-152

C23. "E-forms services for the Public Sector: Shifting Development Effort from Programmers to Domain Experts", Stelios Gorilas, Kostas Vassilakis, Tomás Pariente Lobo, Efthimios Tabouris, Proceedings of e-Challenges 2003

C24. "Tailorability in the context of E-government Information Systems: An approach", George Lepouras, Anya Sotiropoulou, Dimitrios Theotokis, Costas Vassilakis, Proceedings of the IRMA 2004 conference.

C25. "Content enrichment through dynamic annotation", George Weir, George Lepouras, Costas Vassilakis, Proceedings of the 6th International Conference on Enterprise Information Systems.

C26. "Reusability in Electronic Services Development", Costas Vassilakis, George Lepouras, Proceedings of the CSITeA-04 conference, December 27-29, Cairo, Egypt, 2004.

C27. "A Blackboard-oriented Architecture for e-Government service composition", Costas Vassilakis, Anya Sotiropoulou, Dimitrios Theotokis, Dimitris Gouscos, Proceedings of the IRMA 2005 conference.

C28. "An Active Ontology-based Blackboard Architecture for Web Service Interoperability", George Lepouras, Costas Vassilakis, Anya Sotiropoulou, Dimitrios Theotokis, Akrivi Katifori, Proceedings of the Second IEEE Conference on Service Systems and Service Management. June 2005 Page(s): 573 - 578 Vol. 1

C29. "A Semantics-Based Consultations Workbench", Costas Vassilakis, Dimitris Gouscos, Panagiotis Georgiadis, Proceedings of the IEEE ITI 3rd International Conference on Information and Communication Technology (ICICT 2005).

C30. "Visualizing a Temporally – Enhanced Ontology", Katifori Akrivi, Vassilakis Costas, Lepouras Georgios, Daradimos Ilias, Halatsis Constantin, Proceedings of the ACM Advanced Visual Interfaces 06 Conference (AVI 06).

C31. "A Comparative Study of Four Ontology Visualization Techniques in Protégé: Experiment Setup and Preliminary Results", Akrivi Katifori , Elena Torou, Constantin Halatsis, Costas Vassilakis, and Lepouras Georgios, Proceedings of the 10th International Conference on Information Visualisation (IV06).

C32. "A Context-Based Adaptive Visualization Environment", Maria Golemati, Constantin Halatsis, Costas Vassilakis, Akrivi Katifori, Georgios Lepouras, Proceedings of the 10th International Conference on Information Visualisation (IV06).

C33. "Web Service Execution Streamlining", Costas Vassilakis, George Lepouras, Akrivi Katifori, Proceedings of the Third IEEE Conference on Service Systems and Service Management - ICSSSM 06.

C34. "Towards Dynamic, Relevance-Driven Exception Resolution in Composite Web Services", Kareliotis Christos, Vassilakis Costas, Georgiadis Panagiotis, Proceedings of OOPSLA 2006, Track on SOA & Web Services Best Practices

C35. "Performance Analysis of Multistage Interconnection Networks determining optimal parameters for data-intensive business applications", D.C. Vasiliadis, G.E. Rizos, and C. Vassilakis, Proceedings of the 7th IBIMA Conference, 2006.

C36. "Reverse-engineering electronic services", Costas Vassilakis, George Lepouras, Akrivi Katifori, Proceedings of the 1st International Conference on Software and Data Technologies (ICSOFT 2006).

C37. "Creating an Historical Archive Ontology: Guidelines and Evaluation", Torou Elena, Katifori Akrivi, Vassilakis Costas, Lepouras Georgios, Halatsis Constantin, Proceedings of the IEEE 1st International Conference on Digital Information Management (ICDIM 2006).

C38. "Performance analysis of blocking banyan switches", D.C. Vasiliadis, G.E. Rizos, and C. Vassilakis, of the IEEE sponsored International Joint Conference on Computer, Information and System Sciences and Engineering – CIS^{2}E 06.

C39. "Towards a P2P world: peered taxation", M. Kalikakis, D. Gouscos, K. Vassilakis, P. Georgiadis, Proceedings of the 2nd International Workshop "E-taxation: State & Perspectives", 2007.

C40. "Historical Archive Ontologies – Requirements, Modeling and Visualization", Katifori Akrivi, Torou Elena, Vassilakis Costas, Lepouras Georgios, Halatsis Constantin, Daradimos Elias, Proceedings of the First IEEE International Conference on Research Challenges in Information Science (RCIS), Morocco 2007.

C41. "Creating an Ontology for the User Profile: Method and Applications", Maria Golemati, Akrivi Katifori, Costas Vassilakis, George Lepouras, Constantin Halatsis, Proceedings of the First IEEE International Conference on Research Challenges in Information Science (RCIS), Morocco 2007.

C42. "Performance Analysis of dual priority single-buffered blocking Multistage Interconnection Networks", D. C. Vasiliadis , G. E. Rizos , C. Vassilakis, Proceedings of ICNS 07, IEEE press.

C43. "Evaluating the Significance of the Windows Explorer Visualization in Personal Information Management Browsing tasks", Maria Golemati, Akrivi Katifori, Eugenia G. Giannopoulou, Ilias Daradimos, Costas Vassilakis, Proceedings of Information Visualization 07, IEEE press.

C44. "Enhancing BPEL scenarios with Dynamic Relevance-Based Exception Handling", Chris Kareliotis, Costas Vassilakis, Panayiotis Georgiadis, *Proceedings of the IEEE 2007 International Conference on Web Services (ICWS)*

C45. "An Approach for re-engineering the Taxation Process to Support Participatory Decisions on Tax Budget Allocation", Manolis Kalikakis, Dimitris Gouscos, Costas Vasillakis, Panagiotis Georgiadis, *Proceedings of the 1st International Conference on Methodologies, Technologies and Tools enabling e-Government, 2007.* Also appearing in "Participatory Budgeting: Concepts and Country Experiences", Jayshree Bose (ed) Icfai University Press, Hyderabad, India, 2008, ISBN 978-81-314-1559-7, pp. 48-63

C46. "Performance Analysis of two-priority network schema for single-buffered delta networks", D. C. Vasiliadis, G. E. Rizos, C. Vassilakis, E. Glavas, Proceedings of The 18th Annual IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC'07)

C47. "The role of priority mechanisms on performance metrics of double-buffered Switching Elements", D. C. Vasiliadis, G. E. Rizos, C. Vassilakis, Proceedings of ICCMSE 2007.

C48. "Performance Evaluation of Distance Vector Routing Protocol on a Wireless Circular Model", D. C. Vasiliadis, G. E. Rizos, C. Vassilakis, Proceedings of the IEEE sponsored International Joint Conference CISSE 2007.

C49. "Personal Ontology Creation and Visualization for a Personal Interaction Management System" Akrivi Katifori, Costas Vassilakis, Ilias Daradimos, George Lepouras, Yannis Ioannidis, Alan Dix, Antonella Poggi, Tiziana Catarci. Proceedings of PIM, ACM CHI 2008

C50. "Using Spreading Activation through Ontologies to Support Personal Information Management" Akrivi Katifori, Costas Vassilakis, Alan Dix. Proceedings of CSKGOI, within ACM IUI 2008.

C51. "Improving Performance of Finite-buffered Blocking Delta Networks with 2-class Priority Routing through Asymmetric-sized Buffer Queues", D. C. Vasiliadis, G. E. Rizos, C. Vassilakis, Proceedings of the Fourth Advanced International Conference on Telecommunications AICT 2008, IEEE Press.

C52. "Selected Results of a Comparative Study of Four Ontology Visualization Methods for Information Retrieval tasks", Akrivi Katifori, Elena Torou, Costas Vassilakis, Georgios Lepouras, Constantin Halatsis, Proceedings of IEEE RCIS 2008.

C53. "WhereRU: GPS position reporting and a personal ontology as a virtual community utility", I. Daradimos, A. Katifori, C. Vassilakis, Proceedings of IEEE RCIS 2008.

C54. "An Interview-Based User Study on the use of Visualizations for Folder Browsing", Maria Golemati, Akrivi Katifori, Eugenia G. Giannopoulou, Ilias Daradimos, Costas Vassilakis, George Lepouras, Constantin Halatsis Proceedings of IV 08

C55. "Supporting Research in Historical Archives: Historical Information Visualization and Modeling Requirements", Akrivi Katifori, Elena Torou, Costas Vassilakis, Constantin Halatsis Proceedings of IV 08

C56. "Routing and Performance Analysis of Double-Buffered Omega Networks Supporting Multi-Class Priority Traffic", D. C. Vasiliadis, G. E. Rizos, C. Vassilakis, E. Glavas, *Proceedings of ICSNC 2008*, IEEE press

C57. "A Game-Engine Based Virtual Museum Authoring and Presentation System", Victor Mateevitsi, Michael Sfakianos, George Lepouras, Costas Vassilakis, *Proceedings of ACM DIMEA 2008*

C58. "Exception Resolution for BPEL Processes: a Middleware-based Framework and Performance Evaluation", Christos Kareliotis, Costas Vassilakis, Efstathios Rouvas and Panayiotis Georgiadis, Proceedings of the ACM SIGWEB-sponsored tenth International Conference on Information Integration and Web-based Applications & Services (iiWAS2008).

C59. "Ontologies as Tools for Historians", Akrivi Katifori, Costas Vassilakis, poster presentation in the International Symposium on "Information & communication technologies in cultural heritage", Ioannina, Greece, October 16-18, 2008

C60. "A Drupal CMS Module for Managing Museum Collections", Daradimos Ilias, Costas Vassilakis Akrivi Katifori, poster presentation in the International Symposium on "Information & communication technologies in cultural heritage", Ioannina, Greece, October 16-18, 2008

C61. "Evaluation study of a wireless multimedia traffic-oriented network model", D. C. Vasiliadis, G. E. Rizos, C. Vassilakis, AIP conference proceedings 1060 (procs. of IECCS 2007), pp. 379-384, 2008

C62. "Performance Evaluation of Multicast Routing over Multilayer Multistage Interconnection Networks", D. C. Vasiliadis, G. E. Rizos, C. Vassilakis, E. Glavas, Proceedings of the Fifth Advanced International Conference on Telecommunications (AICT 2009), IEEE Press.

C63. "Routing and Performance Evaluation of Dual Priority Delta Networks under Hotspot Environment", D. C. Vasiliadis, G. E. Rizos, C. Vassilakis, Proceedings of Conference on Advances in Future Internet» (AFIN 2009), IEEE Press.

C64. "QoS-Driven Adaptation of BPEL Scenario Execution", Kareliotis Christos, Costas Vassilakis, Efstathios Rouvas, Panayiotis Georgiadis, Proceedings of IEEE International Conference on Web Services, 2009.

C65. "A framework for adaptation in secure web services", Costas Vassilakis, Chris Kareliotis, Proceedings of MCIS 2009.

C66. "Visualizing Hierarchies: Evaluating the Efficiency and Cognitive Effects of Six Visualization Techniques for Browsing and Management Tasks", Golemati, Marianthi, Vassilakis, Costas, Katifori, Akrivi, Lepouras, George, Halatsis, Constantin, Poster presentation in IV 09.

C67. "Capturing the historical research methodology: an experimental approach", Torou Elena, Katifori Akrivi, Vassilakis Costas, Lepouras Georgios, Halatsis Constantin. Proceedings of International Conference of Education, Research and Innovation (ICERI 2009), Madrid, November 16-18, 2009.

C68. "Spreading Activation for Web Scale Reasoning: Promise and Problems", Nazihah Md. Akim, Alan Dix, Akrivi Katifori, Giorgos Lepouras, Nadeem Shabir, Costas Vassilakis ACM WebSci 11, poster presentation

C69. "A Software Architecture for Provision of Context-Aware Web-based m-Commerce Applications", Benou Poulcheria and Vassilakis Costas, Proceedings of the 11th IEEE International Conference on Computer and Information Technology (CIT 2011), 31 August - 2 September 2011 Paphos, Cyprus.

C70. "Supporting User Roles in Ontology Fuzzification", Manolis Wallace, Panos Alexopoulos, Ioannis Papafragkos and Costas Vassilakis, Proceedings of the 6th International Workshop on Semantic media adaptation and personalization, December 1-2, 2011 Vigo (Spain), IEEE press.

C71. "OntoFM: A Personal Ontology-based File Manager for the Desktop", Rompa, J., Lepouras, G., Vassilakis C., and Tryfonopoulos, C., Demo at the 10th International Web Conference, 2011, Bonn, Germany.

C72. "An integrated framework for QoS-based adaptation and exception resolution in WS-BPEL scenarios", Margaris, D., Vassilakis C., and Georgiadis, P., proceedings of the ACM Symposium on Applied Computing, SOAP track, 2013.

C73. "Adapting WS-BPEL scenario execution using collaborative filtering techniques", Margaris, D., Georgiadis, P. and Vassilakis C., proceedings of the IEEE RCIS Conference, 2013.

C74. "Improving museum visitors' Quality of Experience through intelligent recommendations: A visiting style-based approach". Ioanna Lykourentzou, Xavier Claude, Yannick Naudet, Eric Tobias, Angeliki Antoniou, George Lepouras and Costas Vasilakis, Proceedings of MASIE 2013 Workshop, co-located with the 9th International Conference on Intelligent Environments IE'13.

C75. "User Profiling: Towards a Facebook Game that Reveals Cognitive Style". Angeliki Antoniou, Ioanna Lykourentzou, Jenny Rompa, Eric Tobias, George Lepouras, Costas Vassilakis, Yannick Naudet. Proceedings of the GALA 2013 conference, Paris, October 2013.

C76. "Mindmap-Inspired Semantic Personal Information Management", Jenny Rompa, Christos Tryfonopoulos, Costas Vassilakis, George Lepouras, EDBT 2014 Demonstrations Track, Athens, Greece.

C77. "Towards a Learning Analytics Platform for Supporting the Educational Process", George Lepouras, Akrivi Katifori, Costas Vassilakis, Angeliki Antoniou, Nikos Platis, Proceedings of the 5th Conference on Information, Intelligence, Systems & Application (IISA2014).

C78. "Visualization method effectiveness in ontology-based information retrieval tasks involving entity evolution", Akrivi Katifori, Costas Vassilakis, George Lepouras, Elena Torou, Constantin Halatsis Proceedings of SMAP 2014.

C79. "A Hybrid Framework for WS-BPEL Scenario Execution Adaptation, Using Monitoring and Feedback Data", Dionisis Margaris, Costas Vassilakis, Panagiotis Georgiadis, Proceedings of the ACM Symposium on Applied Computing, SOAP track, 2015.

C80. "A Collaborative Filtering Algorithm with Clustering for Personalized Web Service Selection in Business Processes", Dionisis Margaris, Panagiotis Georgiadis, Costas Vassilakis. Proceedings of the IEEE RCIS Conference, 2015.

C81. "On Replacement Service Selection in WS-BPEL Scenario Adaptation", Dionisis Margaris, Panagiotis Georgiadis, Costas Vassilakis. Proceedings of the 8th IEEE International Conference on Service Oriented Computing & Applications, 2015.

C82. "Improving QoS Delivered by WS-BPEL Scenario Adaptation through Service Execution Parallelization", Margaris, D., Vassilakis C. and Georgiadis P., Proceedings of ACM SAC 2016, SOAP track.

C83. "The use of semantics in the CrossCult H2020 project", Stavroula Bampatzia, Omar Gustavo Bravo-Quezada, Angeliki Antoniou, Martin Lopez Nores, Manolis Wallace, George Lepouras and Costas Vasilakis, Proceedings of the second International KEYSTONE Conference, (IKC2016), 2016.

C84. "Interconnecting Objects, Visitors, Sites and (Hi)Stories across Cultural and Historical Concepts: the CrossCult project", Costas Vassilakis, Angeliki Antoniou, George Lepouras, Manolis Wallace, Ioanna Lykourentzou and Yannick Naudet Proceedings of the second International Conference On Digital Heritage (Euromed2016), 2016.

C85. "Using Social media to stimulate history reflection in cultural heritage", Stavroula Bampatzia, Angeliki Antoniou, George Lepouras, Costas Vasilakis and Manolis Wallace, Proceedings of SMAP 2016.

C86. "Pruning and Aging for User Histories in Collaborative Filtering", Dionisis Margaris, Costas Vasilakis, Proceedings of IEEE SSCI 2016.

C87. "Serious games: Valuable Tools for Cultural Heritage", Stavroula Bampatzia, Ioannis Bourlakos, Angeliki Antoniou, Costas Vassilakis, George Lepouras, Manolis Wallace, Proceedings of the 2016 Games and Learning Alliance Conference 2016.

C88. "Improving Collaborative Filtering's Rating Prediction Quality in Dense Datasets, by Pruning Old Ratings", Dionisis Margaris and Costas Vassilakis, Proceedings of the 22nd IEEE Symposium on Computers and Communications (ISCC '17), 2017.

C89. "Personalized Augmented Reality Experiences in Museums using Google Cardboards", Marinos Theodorakopoulos, Nikos Papageorgopoulos, Andriana Mourti, Angeliki Antoniou, Manolis Wallace, George Lepouras, Costas Vassilakis and Nikos Platis, Proceedings of SMAP 2017, 2017.

C90. "Improving Collaborative Filtering's Rating Prediction Quality by Considering Shifts in Rating Practices", Dionisis Margaris and Costas Vassilakis, Proceedings of the 19th IEEE International Conference on business informatics (CBI'17), 2017.

C91. "Formalization and visualization of the narrative for museum guides", Ioannis Bourlakos, Manolis Wallace, Angeliki Antoniou, Costas Vassilakis, George Lepouras and Anna Vassiliki Karapanagiotou, Proceedings of the third International KEYSTONE Conference, (IKC2017), 2017.

C92. "Modeling Server Workloads for Campus Email Traffic Using Recurrent Neural Networks", Spyros Boukoros, Anupiya Nugaliyadde, Angelos Marnerides, Costas Vassilakis, Polychronis Koutsakis and Kok Wai Wong Proceedings of the 24th International Conference on Neural Information Processing (ICONIP 2017)

C93. "Evaluation of Apache Spot's machine learning capabilities in an SDN/NFV enabled environment", Christos M. Mathas, Olga E. Segou, Georgios Xylouris, Dimitris Christinakis, Michail-Alexandros Kourtis, Costas Vassilakis, Anastasios Kourtis, Proceedings of the 1st International Workshop on Cyber Threat Intelligence Management (CyberTIM 2018), part of the ARES EU Project Symposium series, 2018.

C94. "Improving Collaborative Filtering's Rating Prediction Accuracy by Considering Users' Rating Variability", Dionisis Margaris and Costas Vassilakis, Proceedings of The Fourth IEEE International Conference on Big Data Intelligence and Computing (DataCom 2018), 12-15 August 2018, Athens, Greece.

C95. "Improving Collaborative Filtering's Rating Prediction Coverage in Sparse Datasets by Exploiting User Dissimilarity", Dionisis Margaris and Costas Vassilakis, Proceedings of The Fourth IEEE International Conference on Big Data Intelligence and Computing (DataCom 2018), 12-15 August 2018, Athens, Greece.

C96. "The effect of social media trending topics related to cultural venues' content", Vassilis Poulopoulos, Costas Vassilakis, Manolis Wallace, Angela Antoniou and George Lepouras, Proceedings of SMAP 2018, 6-7 September 2018, Zaragoza, Spain.

C97. "Personality analysis of social media influencers as a tool for cultural institutions", Vassilis Poulopoulos, Costas Vassilakis, Angela Antoniou, George Lepouras and Manolis Wallace, Proceedings of the Euromed 2018 Conference, 2018, Cyprus. [**Best paper award**]

C98. "The Human Computer Interaction and Virtual Reality Lab (University of the Peloponnese): overview and current challenges", Angeliki Antoniou, Costas Vassilakis, Anastasios Theodoropoulos, George Lepouras, Proceedings of the "Cultural informatics research and applications: State of the art and open challenges" workshop, within the Euromed 2018 Conference, 2018, Cyprus

C99. "ExhiSTORY: IoT in the service of Cultural Heritage", Vassilis Poulopoulos, Costas Vassilakis, Angela Antoniou, Manolis Wallace, George Lepouras and Martin Lopez Nores, Proceedings of the Global Information Infrastructure and Networking Symposium (GIIS 2018), Special Session on IoT and Cultural Heritage Protection, 2018, Thessaloniki, Greece.

C100. "On Blockchain Architectures for Trust-based Collaborative Intrusion Detection", Nicholas Kolokotronis, Sotirios Brotsis, Georgios Germanos, Costas Vassilakis and Stavros Shiaeles, 1ST IEEE Services Workshop on Cyber Security and Resilience in the Internet Of Things within IEEE Services 2019, Milan, Italy.

C101. Improving Collaborative Filtering's Rating Prediction Accuracy by Introducing the Common Item Rating Past Criterion, Dionisis Margaris, Dionysios Vasilopoulos, Costas Vassilakis and Dimitris Spiliotopoulos, Proceedings of the 10th International Conference on Information, Intelligence, Systems and Applications (IISA2019), 2019, Patras, Greece [**Best paper award**]

C102. "A Methodology for Generated Text Annotation for High Quality Speech Synthesis", Dimitris Spiliotopoulos, Costas Vassilakis, Dionisis Margaris, Konstantinos Kotis, Proceedings of the 10th International Conference on Information, Intelligence, Systems and Applications (IISA2019), 2019, Patras, Greece

C103. "Improving Collaborative Filtering's Rating Prediction Coverage in Sparse Datasets through the Introduction of Virtual Near Neighbors", Dionisis Margaris, Dionysios Vasilopoulos, Costas Vassilakis and Dimitris Spiliotopoulos, Proceedings of the 10th International Conference on Information, Intelligence, Systems and Applications (IISA2019), 2019, Patras, Greece

C104. "Exploring Self-organisation in Crowd Teams", Ioanna Lykourentzou, Antonios Liapis, Costas Papastathis, Konstantinos Papangelis and Costas Vassilakis, Proceedings of the Crowd-Powered e-Services (CROPS) Workshop in the context of the 19th IFIP Conference on e-Business, e-Services and e-Society (I3E 2019), Trondheim, Norway, DOI: 10.1007/978-3-030-39634-3_15

C105. "ATMF: A student-centered framework for the effective implementation of alternative teaching methods for CSEd", Anastasios Theodoropoulos, Costas Vassilakis, Angeliki Antoniou, Manolis Wallace and George Lepouras, Proceedings of the Innovative Teaching of Introductory Topics in Information Technology - 3(IT) Workshop in the context of the 19th IFIP Conference on e-Business, e-Services and e-Society (I3E 2019), Trondheim, Norway

C106. "Social Relations versus Near Neighbours: Reliable Recommenders in Limited Information Social Network Collaborative Filtering for Online Advertising", Dionisis Margaris, Dimitris Spiliotopoulos and Costas Vassilakis, Proceedings of the 2019 Recommendation and Advertising in Online Social Networks workshop (READNet 2019), held in conjunction with the 2019 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM 2019), August 2019, Vancouver, Canada.

C107. "Data-driven Country Safety Monitoring Terrorist Attack Prediction", Dimitris Spiliotopoulos, Costas Vassilakis and Dionisis Margaris, Proceedings of the fourth international workshop on Social Network Analysis Surveillance Technologies (SNAST 2019), held in conjunction with the 2019 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM 2019), August 2019, Vancouver, Canada.

C108. "TripMentor Project: scope and challenges", Costas Vassilakis, Vassilis Poulopoulos, Manolis Wallace, Angeliki Antoniou, George Lepouras, Proceedings of the Workshop on Cultural Informatics, co-located with the 14th International Workshop On Semantic And Social Media Adaptation And Personalization (SMAP 2019), 2019

C109. "PaloAnalytics project concept, scope and outcomes: an opportunity for culture", Vassilis Poulopoulos, Manolis Wallace, Costas Vassilakis and George Lepouras, Proceedings of the Workshop on Cultural Informatics, co-located with the 14th International Workshop On Semantic And Social Media Adaptation And Personalization (SMAP 2019), 2019

C110. "Improving Collaborative Filtering's Rating Prediction Quality by Exploiting the Item Adoption Eagerness Information", Dionisis Margaris, Dimitris Spiliotopoulos and Costas Vassilakis, Proceedings of the IEEE/WIC/ACM International Conference on Web Intelligence, 2019.

C111. "Citizen Engagement for Transparent and Accountable Policy Modelling", Dimitris Spiliotopoulos, Dionisis Margaris and Costas Vassilakis, Proceedings of the 11th International Conference on Management of Digital EcoSystems (MEDES'19), 2019

C112. "A Mixed-reality Interaction-driven Game-based Learning Framework", Dimitris Spiliotopoulos, Dionisis Margaris, Costas Vassilakis, Volha Petukhova and Konstantinos Kotis, Proceedings of the 11th International Conference on Management of Digital EcoSystems (MEDES'19), 2019.

C113. 'Talking' triples to Museum Chatbots. Varitimiadis, S.; Kotis, K.; Spiliotopoulos, D.; Vassilakis, C. and Margaris, D. In Proceedings of the 22nd International Conference on Human-Computer Interaction, Springer, 2020.

C114. "Policy Making Analysis and Practitioner User Experience", Dimitris Koryzis, Fotios Fitsilis, Dimitris Spiliotopoulos, Theocharis Theocharopoulos, Dionisis Margaris and Costas Vassilakis. In Proceedings of the 22nd International Conference on Human-Computer Interaction, Springer, 2020.

C115. "Semantics-driven Conversational Interfaces for Museum Chatbots". Spiliotopoulos, D.; Kotis, K.; Vassilakis, C. and Margaris, D. In Proceedings of the 22nd International Conference on Human-Computer Interaction, Springer, 2020.

C116. "MOOC Accessibility from the Educator Perspective", Dimitris Spiliotopoulos, Vassilis Poulopoulos, Dionisis Margaris, Eleni Makri and Costas Vassilakis. In Proceedings of the 22nd International Conference on Human-Computer Interaction, Springer, 2020.

C117. "A User Interface for Personalized Web Service Selection in Business Processes", Dionisis Margaris, Dimitris Spiliotopoulos, Costas Vassilakis and Gregory Karagiorgos. In Proceedings of the 22nd International Conference on Human-Computer Interaction, Springer, 2020.

C118. "Threat landscape for smart grid systems", Christos-Minas Mathas and Konstantinos-Panagiotis Grammatikakis and Costas Vassilakis and Nicholas Kolokotronis and Vasiliki-Georgia Bilali and Dimitris Kavallieros, Proceedings of the 15th International Conference on Availability, Reliability and Security, ACM, 2020, DOI: https://doi.org/10.1145/3407023.3409229

C119. "From Smart Cities to Smart Rural Country: challenges and sustainability", Spiliotopoulos, D.; Kriemadis, A. and Vassilakis, C. In Extended abstract Presentation in the 15th National and International Conderence of the Hellenic Society for Systemic Studies, 2020.

C120. "A Trust Management System for the IoT domain", Mathas, C-M.; Vassilakis, C. and Kolokotronis, N. In Proceedings the 2020 IEEE World Congress on Services (SERVICES), IEEE, 2020

C121. "Database Knowledge Enrichment Utilizing Trending Topics from Twitter", Vassilakis, C.; Maniataki, D.; Lepouras, G.; Antoniou, A.; Spiliotopoulos, D.; Poulopoulos, V.; Wallace, M. and Margaris, D. In Proceedings of the 2020 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM)/BISON, 2020.

C122. "On Recommending Safe Travel Periods to High Attack Risk Destinations", Spiliotopoulos, D.; Vassilakis, C. and Margaris, D. In Proceedings of the 2020 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM)/SNAST, 2020

C123. "Neighbourhood Aging Factors for Limited Information Social Network Collaborative Filtering", Margaris, D.; Spiliotopoulos, D. and Vassilakis, C. In Proceedings of the 2020 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM)/BISON, 2020

C124. Koutsouris, N.; Vassilakis, C. and Kolokotronis, N. Cyber-Security Training Evaluation Metrics. In Proceedings of the 2021 IEEE International Conference on Cyber Security and Resilience, IEEE, 2021.

C125. Grammatikakis, K-P.; Koufos, I.; Kolokotronis, N.; Vassilakis, C. and Shiaeles, S. Understanding and mitigating banking trojans: From Zeus to Emotet. In Proceedings of the 2021 IEEE International Conference on Cyber Security and Resilience, IEEE, 2021.

C126. Spiliotopoulos, D.; Giannakopoulos, T.; Vassilakis, C.; Wallace, M.; Lantzouni, M.; Poulopoulos, V. and Margaris, D. An Interface for User-Centred Process and Correlation Between Large Datasets. In Proceedings of the 2021 International Conference on Human-Computer Interaction: Design, User Experience, and Usability: UX Research and Design, pages 477-494, Springer International Publishing, Cham, 2021.

C127. Margaris, D.; Spiliotopoulos, D.; Vasilopoulos, D. and Vassilakis, C. A User Interface for Personalising WS-BPEL Scenarios. In Proceedings of the 2021 International Conference on Human-Computer Interaction: HCI in Business, Government and Organizations, pages 399-416, Springer International Publishing, Cham, 2021.

C128. Margaris, D.; Spiliotopoulos, D. and Vassilakis, C. Anchoring Effect Mitigation for Complex Recommender System Design. In Proceedings of the 2022 HCI International Conference, 2022

C129. Spiliotopoulos, D.; Margaris, D.; Koutrakis, K. N.; Philippopoulos, P. and Vassilakis, C. Persona Finetuning for Online Gaming using Personalisation Techniques. In Proceedings of the 2022 HCII Conference, 2022

C130. Raftopoulou, P.; Skiadopoulos, S.; Tryfonopoulos, C. and Vasilakis, C. SodaSense: An Intelligence Platform for Micro-Mobility, Micro-Climate and Agriculture. In Proceedings of the GEOProcessing 2023, 2023.

C131. Sotiropoulos, P.; Mathas, C-M.; Vassilakis, C. and Kolokotronis, N. Minimizing Software-Rooted Risk through Library Implementation Selection. In Proceedings of the 2023 IEEE CSR Workshop on Data Science for Cyber Security (DS4CS), 2023.

C132. Nikoletos, S.; Vlachos, S.; Zaragkas, E.; Vassilakis, C.; Tryfonopoulos, C. and Raftopoulou, P. RoG: A Pipeline for Automated Sensitive Data Identification and Anonymisation. In Proceedings of the 2023 IEEE CSR Workshop on Data Science for Cyber Security (DS4CS), 2023.

C133. Poulopoulos, V.; Papalexiou, E.; Vassilakis, C.; Xepapadakou, A. and Vraka, V. Implementing the infrastructure for Dimitris Papaioannou's archive:approaching the degrees of separation in his work. In DARIAH 2023 (poster presentation), 2023.

C134. Tsoukalos, M.; Platis, N. and Vassilakis, C. Estimating iSAX Parameters for Efficiency. In New Trends in Database and Information Systems (Proceedings of the 2023 European Conference on Advances in Databases and Information Systems / ADBIS 2023), pages 3-12, Springer Nature Switzerland, Cham, 2023.

C135. Deligiannis, K.; Tryfonopoulos, C.; Raftopoulou, P.; Platis, N. and Vassilakis, C. EnQuest: A Cloud Datalake Infrastructure for Heterogeneous Analytics in Maritime and Tourism Domains. In DATA 2023 (demo), 2023.

C136. Sgardelis, K.; Margaris, D.; Spiliotopoulos, D. and Vassilakis, C. A User Interface for Tuning QoS parameters in Recommendation-Based Business Process Scenario Adaptation. In Proceedings of the 19th International Conference on Web Information Systems and Technologies (WEBIST 2023), 2023.

Chapters in Books and Encyclopedias

BC1. "Adaptive Virtual Reality Museums on the Web" George Lepouras and Costas Vassilakis, Book chapter in "Adaptable and Adaptive Hypermedia Systems" Sherry Y. Chen and George Magoulas (eds), IRM Press, 2005. Also appearing in "End-User Computing: Concepts, Methodologies, Tools, and Applications", Steve Clark (ed), Information Science Reference, Hershey PA 17033, 2008, pp. 731-744.

BC2. "Ontology For E-Government Public Services", Costas Vassilakis and George Lepouras. Encyclopedia of E-Commerce, E-Government and Mobile Commerce, Idea Group Inc, 2006.

BC3. "Tailorable E-Government Information Systems", George Lepouras, Anya Sotiropoulou, Dimitrios Theotokis, Costas Vassilakis. Encyclopedia of E-Commerce, E-Government and Mobile Commerce, Idea Group Inc, 2006.

BC4. "Adaptive Virtual Reality Shopping Malls", George Lepouras, Costas Vassilakis, Encyclopedia of E-Commerce, E-Government and Mobile Commerce, Idea Group Inc, 2006. Also in "Electronic Commerce: Concepts, Methodologies, Tools, and Applications", S. Ann Baker (ed), Information Science Reference (an imprint of IGI Global), Hershey PA 17033, 2008.

BC5. "The Lifecycle of Transactional Services", Costas Vassilakis, George Lepouras, Encyclopedia of Digital Government, Idea Group Inc.

BC6. "Reusability in Governmental Electronic Services", George Lepouras, Costas Vassilakis, Encyclopedia of Digital Government, Idea Group Inc. Also appearing in Electronic Government: Concepts, Methodologies, Tools, and Applications, Ari-Veikko Anttiroiko (ed), Information Science Reference (an imprint of IGI Global), Hershey PA 17033, 2008.

BC7. "Exploiting Context In Mobile Applications", R. Benou, C. Vassilakis, Encyclopedia of Information Science and Technology, Second edition.

BC8. "Context and Adaptivity-Driven Visualization Method Selection", Maria Golemati, Costas Vassilakis, Akrivi Katifori, George Lepouras, Constantin Halatsis, Chapter in "Intelligent User Interfaces: Adaptation and Personalization Systems and Technologies", 2008.

BC9. "Knowledge-Based Leisure Time Recommendations in Social Networks". Dionisis Margaris, Costas Vassilakis, Panagiotis Georgiadis In: Alor-Hernández G., Valencia-García R. (eds) Current Trends on Knowledge-Based Systems. Intelligent Systems Reference Library, vol 120. Springer, Cham, 2017, pp. 23-48.

BC10. "exhiSTORY: Smart self-organizing exhibits", Costas Vasilakis, Vassilis Poulopoulos, Angeliki Antoniou, Manolis Wallace, George Lepouras and Martin Lopez Nores, book chapter in "Big Data Platforms and Applications", Springer, in press.

BC11. "Reconnaissance", Mathas, C-M. and Vassilakis, C. Cyber-Security Threats, Actors, and Dynamic Mitigation, pages 27-80, CRC Press, 2021.

BC12. Kriemadis, A.; Spiliotopoulos, D.; Vassilakis, C. and Kapnisi, D. Social Skills and Online Learning. In Handbook of Research on Developing a Post-Pandemic Paradigm for Virtual Technologies in Higher Education, pages 261-281, IGI Global, 2021. DOI: 10.4018/978-1-7998-6963-4.ch013

BC13. Spiliotopoulos, D.; Margaris, D. and Vassilakis, C. Safe Travelling Period Recommendation to High Attack Risk European Destinations Based on Past Attack Information. In Lecture Notes in Social Networks, pages 77-100, Springer International Publishing, 2021. DOI: 10.1007/978-3-030-67044-3_3

BC14. Margaris, D.; Spiliotopoulos, D. and Vassilakis, C. Identifying Reliable Recommenders in Users' Collaborating Filtering and Social Neighbourhoods. In Lecture Notes in Social Networks, pages 51-76, Springer International Publishing, 2021. DOI: 10.1007/978-3-030-67044-3_3

Publications in Greek Conferences

GRC1. A Methodology for the Implementation of Software for the Design of Distributed Systems, C. Vassilakis, P. Georgiadis, D. Lelis, D. Mouzakis and M. Nikolaidou, Hellenic Informatics Conference, Patra 1993 (in Greek), pp. 673-686.

GRC2. "Comparative Study of Protocols of the Transport Layer for Multimedia Applications", P. Kassapidis, C. Vassilakis, M. Nikolaidou, P. Georgiadis, Gr. Votsis and N. Pronios, Hellenic Informatics Conference, Patra 1993 (in Greek), pp. 105-118.
GRC3. "An Enhanced System for File Access in a Distributed UNIX Environment", C. Boukouvalas, P. Georgiadis and C. Vassilakis, Hellenic Informatics Conference, Patra 1993 (in Greek), pp. 525-534.
GRC4. "A mobile-enabled platform for presenting and disseminating cultural heritage information enhanced with augmented reality", K. Masselos, C. Vassilakis, G. Lepouras, C. Trifonopoulos, N. Tselikas, N. Platis, 1st Panhellenic Conference on Cultural Heritage Digitization, 2015.
GRC5. "Experiences from the development of thematic itineraries in three Greek museums" (Greek title: "Εμπειρίες από την ανάπτυξη θεματικών διαδρομών σε τρία Ελληνικά μουσεία") A. Antoniou, C. Vassilakis, M. Wallace, G. Lepouras and V. Poulopoulos, Proceedings of the 2nd PanHellenic conference on Cultural Heritage (Euromed 2017).
GRC6. "Cultural technologies: the case of the Tripolis archeological museum (in Greek; Greek title: "ΠΟΛΙΤΙΣΤΙΚΕΣ ΤΕΧΝΟΛΟΓΙΕΣ: Η ΠΕΡΙΠΤΩΣΗ ΤΟΥ ΑΡΧΑΙΟΛΟΓΙΚΟΥ ΜΟΥΣΕΙΟΥ ΤΡΙΠΟΛΗΣ"), Aggeliki Antoniou, Giorgos Lepouras, Costas Vassilakis, Manolis Wallace and Nikos Platis, Book of abstracts of the 2nd Conference of the School of Social Sciences of the University of the Aegean "Social sciences today: dilemmas and prospectives beyond the crisis", June 2019, Mytilene, Greece.
GRC7. "Scavenger Hunt in the Roads of Freedom" (in Greek; Greek title: "Κυνήγι θησαυρού στους Δρόμους της Ελευθερίας"), M. Wallace, V. Poulopoulos, G. Lepouras, C. Vassilakis, A. Antoniou, Proceedings of the 3nd Pan-Hellenic Conference on Digital Cultural Heritage-EuroMed 2019, Athens, Greece.
GRC8. "Supporting small museums through social network semantic analysis" (in Greek; Greek title: "Υποστήριξη μικρών μουσείων μέσω της σημασιολογικής ανάλυσης κοινωνικών δικτύων") M. Wallace, V. Poulopoulos, G. Lepouras, C. Vassilakis, A. Antoniou, Proceedings of the 3nd Pan-Hellenic Conference on Digital Cultural Heritage-EuroMed 2019, Athens, Greece.
GRC9. "TripMentor: Challenges and prospects for culture and tourism in the Attica region" (in Greek; Greek title: "TripMentor: προκλήσεις και προοπτικές για τον πολιτισμό και τον τουρισμό στην περιφέρεια Αττικής"), C. Vassilakis, V. Poulopoulos, M. Wallace, A. Antoniou, G. Lepouras, Proceedings of the 3nd Pan-Hellenic Conference on Digital Cultural Heritage-EuroMed 2019, Athens, Greece.
GRC10. "Kalamata 1821: Roads of Freedom – Digital applications teach history" (in Greek; Greek title: "Καλαμάτα 1821: Δρόμοι Ελευθερίας – Οι ψηφιακές εφαρμογές διδάσκουν ιστορία"), M. Wallace, V. Poulopoulos, A. Antoniou, C. Vassilakis, G. Lepouras, J. Diakoumakos, V. Panagiotidou, N. Zacharias, 2nd Panhellenic conference on Open Educational Resources and e-learning, December 2019, Korinthos, Greece.
GRC11. Poulopoulos, V.; Wallace, M.; Antoniou, A.; Vassilakis, C.; Panagiotidi, V. and Zacharias, N. Digital applications for the preservation of historic memory: the case of the Kalamata digital museum (greek title: Ψηφιακές εφαρμογές για τη διατήρηση της ιστορικής μνήμης: Η περίπτωση του ψηφιακού μουσείου Καλαμάτας). In 4th PanHellenic Conference on Digital Cultural Heritage-EuroMed 2021, 2021.Original paper in Greek; **Best paper award**

Keynote addresses

- Speech in the context of the workshop "The Museum and Museum Educations in the Digital Age: The Archaeological Museum of Tegea", May 19 2022.

- "The Crowd-* Factor in Innovation", Costas Vassilakis, 11th EUS International Congress & 17th HSSS National & International Conference, Design thinking, Session: Creativity and Innovation for entrepreneurial success, October 7, 2021

- "Exploiting the IT System Potential for Effective Management and Business Transformation in the Digital Age", Costas Vassilakis, Keynote address in the 16th HSSS National & International Conference, 24-26 September 2020, Greece

- "Open data and open government: benefits, principles and technologies", Costas Vassilakis, 1st Panhellenic Conference on Technology, Economy and Management, Tripolis, Greece, November 1-2 2016

Presentations in conferences/workshops

- "ORES: Design and Implementation of a Temporal RDBMS", C. Vassilakis, N. Lorentzos, P. Georgiadis and I. Mitsopoulos. International Seminar on Temporal Databases, Dagstuhl, Germany, 22-27/6/1997.

- The results of the TOOBIS project were presented in the OOIS 98 (5th International Conference On Object-Oriented Information Systems) by Mr. Zissis Palaskas, Mr. Yann Pollet and Ms. Sophie Gamerman.

- "Blockchain technologies for leveraging security and privacy", Costas Vassilakis, Scientific workshop "From the Internet to the Blockchain: Social informatics, Digital creative economy, Virtual worlds (impact and challenges for the society and individuals)", Panteion Panepistimion, Greece, December 11, 2019

Textbooks, study notes and teaching supplements for academic courses

- «The C language», C. Vassilakis and G. Lepouras, study notes for academic class on Introduction to Programming
- «The UNIX operating system», C. Vassilakis, A. Sotiropoulou, A. Kaloxylos, D. Gouscos, M. Nikolaidou, study notes for academic class on Operating System
- «Computer Systems Protection and Security», C. Vassilakis, study notes for academic class on Computer Systems Protection and Security

- «Development of virtual reality systems», George Lepouras, Antoniou Aggeliki, Platis Nikolaos, Charitos Dimitrios (authors), Costas Vassilakis (critical reader), «Kallipos» framework, 2015.

Other Authoring Activities

- Member of the translation team for the book "Modern Operating Systems" (A. S. Tanenbaum).
- Author of the book "PC-Programming Techniques", Anubis Publications, 1994 (ISBN: 960-306-088-7).
- Co-author of the book "The Internet ABC", Diavlos Publications, 1996, (ISBN: 960-531-002-3).
- Translation redaction for the second volume of the book "Fundamentals of Database Systems", Diavlos Publications.

R&D projects participated in

1989 – 1991: **S.A.F.E.** (Standard Authoring Facilities Environment) of EEC (DELTA). The objective of this project was the formulation of proposals for hypermedia application authoring environments.

1990: **Office automation of OTE** (National Telecommunications Organization). The objective of this project was to automate the procedures of the organisation.

1991: **P.C.A.** (Parallel Computing Action) of EU (ESPRIT II). The objective of this project was to exploit parallelism in the process of query optimisation and execution in relational databases.

1991: **SPAN** (ESPRIT II), during which parallel algorithms for signal processing had been developed (1991).

1992-1994: **ORES** of EU (ESPRIT III). In this project a temporal database management system was designed and implemented.

1995-1996: **EDPP** (National Network of Environmental Informatics) of the Ministry of Environment. In this project the upgrade of the National Environmental Network was designed (1995-1996).

1995-1997: **Pharmatel** of EPET II (national project). The objective of this project is the experimental application of the Unit Dose system for drug administration in the Children's hospital Ag. Sophia (1995-1997).

1995-1998: **TOOBIS** of ESPRIT IV, as technical director for the University of Athens. In this project a temporal extension for the object oriented declaration and query language of ODMG is under design. These extensions have been implemented on top of the O_2 system (1995-1998).

1995-1997: **Computer Infrastructure for Education and Research using Multimedia Technology** of EU. This project aims to the development of infrastructures (ATM, Video on Demand, Video Servers) that will support educational and research activities (1995-1997).

1999: Distance Learning Project. The project aims at formulating a distance learning course programme, which will meet the needs of post- and under-graduate students of various science fields, offering them the necessary knowledge and skills in the fields of economy, business administration and usage of new technologies (1999).

2000-2001: «Human networks» project of the General Secretariat for Research and Technology. This project aimed at promoting the widespread of technologies to interested parties, through organising workshops, awareness events, seminars, disseminating information through the web, etc.

1999-2001: Virtual museums. The purpose of the 'Virtual Museums' project is to create a virtual environment where visitors of the participating museums will be able view their exhibits either through Internet or locally. This environment will fulfill research, cultural and educational purposes. Users may therefore be researchers, as well as students or in general, people that are interested in the exhibits of each of the participating museums. All of the user categories will have easy access to the museums without the need of their being physically present. Additionally, the project aims to create the software tools necessary for the museums' supervisors to add and/or remove exhibits from the virtual environment according to their needs.

2002-2004: "SmartGov" project of the IST framework. The SmartGov project aims at developing a knowledge-based platform which will allow domain experts to develop on-line services for citizens and enterprises, without the decisive involvement of IT staff. The project has been awarded the honorary title of "Project of the Month".

2002: "CB-Business" project of the IST framework. This project aims at the creation of an intermediation scheme, which will integrate services offered by the government, public authorities at national and local level, as well as commercial and industrial chambers of various countries, in the context of cross-border processes.

2003: "eGov" project of the IST framework (An Integrating Platform for Realising Online One-Stop Government - http://www.egov-project.org). The project implemented an open, extensible and scalable platform for realising online one-stop government. This platform was deployed and evaluated in three European countries, namely Austria, Greece and Switzerland.

2003-2009: "Intelligent management of historical archives". This project is funded by the Greek General Secretariat for Research and Technology and aims to develop methodologies and tools for the management (digitisation, storage, querying and visualisation) of the information within existing historical archives.

The methods will be applied to the University of Athens' historical archive, which includes manuscripts that span a period of 150 years. (http://oceanis.mm.di.uoa.gr/pened/)

2004: e-Forms. Development project of the Greek Ministry of Interior, in the context of which the SmartGov platform was used for developing electronic services for the Greek public administration.

2004: OntoGov - Ontology-enabled e-Gov Service Configuration, of the IST framework. The project aims to develop and validate a platform that will facilitate the consistent composition, reconfiguration and evolution of e-government services.

2005-2007: "Digitization of the University of Athens History Museum». An "Information Society" project aiming to digitize material from the University of Athens History Museum and the creation of an integrated environment for managing and presenting the digitized information (http://www.history-museum.uoa.gr).

2006-2007: Introduction and exploitation of new technologies in education. This project aimed to develop new technologies in the University of the Peloponnese for the use of the academic community

2006-2008: Digitization of the Athens University Anthropology Museum. This project aimed to digitize, organize in a database and disseminate through the internet the exhibits of the Athens University Anthropology Museum

2006-2008: Digitization of the Athens University Criminology Museum. This project aimed to digitize, organize in a database and disseminate through the internet the exhibits of the Athens University Criminology Museum

2007: Broadband services for the municipality of Leonidio. Greece. Study of broadband services usage, aiming to bring out chances and record methods for promoting the goals of the Municipality of Leonidio, through broadband services.

2008-2009: Unified web site for the history of the University of Athens. This project aimed to organize exhibits from the Athens University History Museum and the Athens University Historical archive through an ontology, allowing the user to traverse semantic paths between exhibits to explore the history of the University.

2011-2014: Development of the DASTA information system for the University of the Peloponnese (DASTA is a facility comprising the career office, the company internship programme and the innovation and entrepreneurship unit). Coordinator of the development team.

2012: Development of a road map for upgrading the operation of the Administrative services of the University of the Peloponnese. This project aimed to study the existing situation and to catalogue the axes that should be taken into account and the steps to be taken for upgrading the Administrative Services of the University of the Peloponnese and making their operation more efficient.

2012-2013: Experimedia Blue. The goal of Experimedia Blue is to deliver personalized information within cultural installations (e.g. museums).

2013-2015: Quality assurance information system for the University of the Peloponnese, The goal of this project is the shaping, installation and operation of the information system for supporting the Quality Assurance Unit of the University of the Peloponnese.

2013-2015: Innovative web/mobile GIS/LBS e-Services with Augmented Reality features for the tourism sector. The goal of this project was to design and develop innovative e-services for the tourism sector, exploiting the technologies of GIS, LBS and augmented reality.

2015: Security study for the information system for the modernization of the processes of residence permit issuance and citizenship award within the Greek territory.

2016-2019: CrossCult: Empowering reuse of digital cultural heritage in context-aware crosscuts of European history. The project aims to spur a change in the way European citizens appraise History. It fosters the re-interpretation of what citizens may have learnt in the light of cross-border interconnections among pieces of cultural heritage, other citizens' viewpoints and physical venues. It seeks to increase retention, stimulate reflection and help citizens appreciate their common past and present in a more holistic manner. Technology and mobile apps will be used and a user-friendly and a cost-efficient tool for experience designers, museum experts and external stakeholders, were developed. The project was ranked 1st among 135 proposals in the evaluation phase and has kicked off in March 2016. In this project, Costas Vassilakis is the leader of the work package for the CrossCult platform development.

2018-2021: Cyber-Trust: Advanced Cyber-Threat Intelligence, Detection, and Mitigation Platform for a Trusted Internet of Things. The CYBER-TRUST project aims to develop an innovative cyber-threat intelligence gathering, detection, and mitigation platform, as well as, to perform high quality interdisciplinary research in key areas for introducing novel concepts and approaches to tackle the grand challenges towards securing the ecosystem of IoT devices. The project has kicked off in May 2018 and has successfully concluded.

2018-2022: TripMentor: an interactive tourist guide. Costas Vassilakis is the scientific coordinator for this project. The TripMentor project concerns the development of a bilingual service (English, Greek) in the form of a web-interactive platform/ application that will provide a personalized, integrated and unique travel experience to the visitor of the Attica region. Alternative map routes will be proposed to the traveler connected to the app for recreational purposes, including stops at the selected points of interest with real time information on cultural, recreational and athletic events. Suggestions and relative recreational proposals will match the traveler's preferences (profile type), determined through a specific internal functionality of the platform, which combines information that she/ he provides (answers to up to 5 short questions) with relative data extracted from social media. Each route includes stops that have meaningful, cultural, chronological or thematic relevance to each other, optimum duration of visit, optimal way of travel and total duration of the

journey, creating personalized narration- storytelling and incorporating gamification elements, depending on the characteristics of the visitor and the weighting of her/ his personal interests. The project has kicked off in July 2018 and has successfully concluded.

2018-2021: PaloAnalytics. This project will develop the innovative PaloAnalytics platform, that will allow companies and organizations, which operate in many countries, to monitor and analyze in depth the markets' interest to their products and successfully plan their marketing and communication strategy with data and insights collected from all the local media and presented in a common language, English. The project has kicked off in June 2018.

2018-2021: Kalamata 1821: roads of freedom, including among others multimedia presentations and interactive applications for the presentation of aspects of the Greek revolution of 1821 and the respective public engagement. The project has kicked off in March 2018.

2019-2022: ForeSight: Advanced Cyber-Security Simulation Platform for Preparedness Training in Aviation, Naval and Power-Grid Environments. The ForeSight project aims to develop innovative environments and curricula to increase the preparedness of security officers and other security-related roles for confronting contemporary cyber-attacks against infrastructures, and consequently elevate the efficiency of both proactive and reactive defense actions.

2019-2022: EN.I.R.I.S.S.T. - Intelligent Research Infrastructure for Shipping, Supply Chain, Transport and Logistics. EN.I.R.I.S.S.T. is a unique and innovative National Research Infrastructure that supports and promotes research and has a vision to be the center of excellence in Shipping, Transport and Supply Chain in Greece.

2020-2023: *The Archive of Dimitris Papaioannou: Documentation, Digitization, Innovative Research and Promotion.* The project aims to create, document and digitize a full archive for the work of the internationally acclaimed Greek director, choreographer and visual artist Dimitris Papaioannou. It includes activities such as preservation, digitization and documentation of primary material, as well as its organization in a functional database. The project is based on innovative archival approaches, such as direct and indirect semantic interconnections, allowing new multiple data associations and relevant conclusions, which are hoped to lead to an in-depth analysis, comprehension and promotion of the work of Dimitris Papaioannou.

2021-2023: EN.I.R.I.S.S.T. plus: This project expands the unique national research infrastructure in Greece (ENIRISST) in the sectors of maritime, logistics and transport. The current infrastructure is expanded with research and business orientation in the sectors of maritime, logistics and transport, ports and tourism.

2021-now: SodaSense: advanced big data management with applications to mobility, the climate and agriculture. The SodaSense project concerns the management of big data that are sourced from sensors and are related to micro-mobility, the micro-climate and agriculture, and aims to the formulation of an intelligent platform of research, social and business interest. The platform services comprise the collection, storage, analysis, visualization and mining of data, aiming to improve the quality of life in cities (through the (re)design of the city and micro-mobility), and the support of its fundamental financial activities (e.g. tourism and agriculture), especially in the context of SMEs, which account for the largest portion of the financial backbone of the Peloponnese Region.

2021-2023: «Upgrading of the quality of the University of the Peloponnese, to support its more efficient and effective operation – Support of the Quality Assurance Unit». The goal of the project is to redesign and reconfigure the internal quality assurance processes in the University of the Peloponnese to support its more efficient and effective operation. Furthermore, the internal information systems will be reorganized, their interoperability with HAHE's information system will be established, and training for the Institution's human resources will be provided.

2022-now: REHABOTICS: Integrated Rehabilitation System for People with Motor Disabilities. The goal of the Rehabotics project is the development of a comprehensive rehabilitation system to provide highly individualized treatment of upper limb function in patients with motor disorders due to acquired brain damage (eg stroke) or neurodegenerative disease (eg sclerosis), having as central pillar the integration of robotic systems and support functions. A key part of the proposed system is the development and evaluation of an innovative robotic extraskeletal device that will be applied in the form of a glove to the diseased limb of the neurological patient.

2022-2023: *Strategic design unit of the University of the Peloponnese.* The project's goal is the initiation and the support of the Strategic design unit of the University of the Peloponnese, through the design and the implementation of relevant activities, which include the formulation of the Institution's strategic plan, the drafting of MOUs and action plans for their implementation, as well as the creation of strategic studies.

2023: Support for internationalization actions for the "Data Science" postgraduate programme. The project concerns the implementation and support for internationalization actions of the "Data Science" postgraduate programme.

Other projects

2008: Coordinator of the e-Parents project for the University of the Peloponnese

Reports and project deliverables (indicative list)

- **Office automation for OTE.: 1st 6-month Progress Report**, Program for Office Automation of O.T.E., G. Filokyprou, C. Halatsis, M. Hatzopoulos, P. Georgiadis, C. Metaxas, V. Benetos, A. Tsalgatidou, C. Vassilakis, D. Gouscos, S. Bolis, N. Panagiotakis, C. Sagonas, A. Filokyproy, Athens, October 1990.

- **The SAFE Project: Final Report on Hypermedia Databases**, DELTA Project P7061 (D1014, code: SAFE/HYP20/UOA/final_rep_on_hyp_db), M. Hatzopoulos, C. Dimopoulou, D. Gouscos, M. Spiliopoulou, C. Vassilakis and M. Vazirgiannis, November 1990.

- **Parallel Signal Processing Algorithms and their Implementation on Parsytec**, A. Aggelidis, I. Bouras, P. Garidis, G. Glentis, D. Gouscos, N. Kalouptsidis, A. Pavlidis and C. Vassilakis, Report for project SPAN, February 1992.

- **Final Report on the Parallel Computing Action**, Esprit II Project 4061 - P.C.A., M. Hatzopoulos, M. Spiliopoulou, C. Vassilakis, G. Papadopoulos. E. Mavroudi, and I. Doulamis, January 1992.

- **Implementation of Valid Time Relational Algebra**, 01 Pliroforiki, Information Dynamics, Agricultural University of Athens and University of Athens, Report C4 of ORES project, October 1993.

- **Specification of Valid Time SQL**, 01 Pliroforiki, Agricultural University of Athens and University of Athens, Report D2 of ORES project, October 1993.

- **Implementation of Valid Time SQL**, 01 Pliroforiki, University of Athens Agricultural University of Athens and Information Dynamics, Report D4.1 of ORES project, April 1994.

- **User Manual for the CPH Application**, University of Athens, Report D4.2 of ORES project, April 1994.

- **System's User Requirements Analysis**, Farmetrika S.A., Intracom S.A., Jurda Hellas, National Technical University of Athens, University of Athens, Children's Hospital Agia Sophia, for PHARMATEL project, December 1995.

- "ORES: Design and Implementation of a Temporal RDBMS", C. Vassilakis, N. Lorentzos, P. Georgiadis and I. Mitsopoulos, 1996.

- **User Interface and Application's Task Design**, Farmetrika S.A., National Technical University of Athens, University of Athens, Jurda Hellas for PHARMATEL project, May 1996..

- **TODL & TOQL Specifications (early release)**, Early versions of reports T32TR.1 and T33TR.1 of TOOBIS project, University of Athens, 01 Pliroforiki and O_2 Technology, May 1996.

- **Technical Specifications for Call for Tenders for the National Environmental Informatics Network**, June 1996.

- **Technical Evaluation of the Integrated Information System Strategic Planning Study for OEK**, November 1996.

- **Specification and Design of TODL**, Report T32TR.1, of TOOBIS project, University of Athens, 01 Pliroforiki, O_2 Technology, National Technical University of Athens, November 1996.

- **Specification and Design of TOQL**, Report T33TR.1, of TOOBIS project, University of Athens, 01 Pliroforiki, O_2 Technology, National Technical University of Athens, November 1996.

- **Benchmarks for Temporal Databases**. Functionality benchmark for the TOQL language, University of Athens, July 1997.

- **TODL Manual (draft version)**. Early version of report T34TR.1 of TOOBIS project, University of Athens, 01 Pliroforiki and O_2 Technology, September 1997.

- **TOQL Manual (draft version)**. Early version of report T35TR.1 of TOOBIS project, University of Athens, 01 Pliroforiki and O_2 Technology, September 1997.

- **TODL Implementation (draft version)**. TOOBIS project deliverable, A. Sotiropoulou and C. Vassilakis, September 1997.

- **TOQL Implementation (draft version).** TOOBIS project deliverable, C. Vassilakis, A. Sotiropoulou and P. Vassiliades, September 1997.

- **Benchmarks for Temporal Databases**, Functionality benchmark for the TOQL language, C. Vassilakis and A. Sotiropoulou, February 1998 (updated version)

- **TODL and Metadata Manual**. TOOBIS project report T35TR.2, University of Athens, 01 Pliroforiki, O_2 Technology, March 1998.

- **TOQL Manual**. TOOBIS project report T36TR.2, University of Athens, 01 Pliroforiki, O_2 Technology, March 1998.

- **C++ Binding Manual**. TOOBIS project report T36TR.2, University of Athens, 01 Pliroforiki, O_2 Technology, March 1998.

- **Final report**, TOOBIS project Deliverable, June 1999.

- **Mapping TOQL to Temporal Extensions of ODMG Object Model**, Technical report, C. Vassilakis and A. Sotiropoulou, July1999.

- **Technical report on Museums Analysis Requirements**, Virtual Museums project report, January 2000.

- **Technical report on Analysis and Design of the System under Development**, Virtual Museums project report, June 2000.
- **Technical report on System Implementation**, Virtual Museums project report, September 2000.
- **Technical Report on Evaluation and Project Dissemination Activities**, Virtual Museums project report, September 2001.
- **State-of-the-Art and Current Situation at Public Authorities**, Deliverable D3.1 of the SmartGov, Project August 2002.
- **User Requirements, Services and Platform Specifications**, Deliverable D4.1 of the SmartGov Project, October 2002.
- **Dissemination and Use Plan**, Deliverable D2.1 of the SmartGov Project, November 2002.
- **Low-level Specifications of SmartGov Services and Applications and the Knowledge-Based Core Platform**, Deliverable D51-61 of the SmartGov Project, February 2003.
- **Implementation of SmartGov Services and Applications**, Deliverable D62 of the SmartGov Project, August 2003.
- **Implementation of SmartGov Knowledge Base Core Platform**, Deliverable D52 of the SmartGov Project, September2003.
- **Trials configuration and evaluation process**, Deliverable D81 of the SmartGov Project, accessible at http://www.smartgov-project.org/index.php?category=results
- **User's guide**, Deliverable D82 the SmartGov Project, accessible at http://www.smartgov-project.org/index.php?category=results
- **Evaluation of project results**, Deliverable D91 the SmartGov Project, accessible at http://www.smartgov-project.org/index.php?category=results
- **Final Project Report**, Deliverable D13 the SmartGov Project, accessible at http://www.smartgov-project.org/index.php?category=results
- **SmartGov Illustrated**, additional SmartGov Project report, accessible at http://www.smartgov-project.org/index.php?category=results
- **Database connectivity for SmartGov services**, Additional SmartGov Project report, accessible at http://www.smartgov-project.org/index.php?category=results
- **User requirements and Specifications**", Deliverable D4 of the OntoGov project
- M. Golemati, A. Katifori, C. Vassilakis, G. Lepouras, C. Halatsis, "User Profile Ontology version 1", available at http://oceanis.mm.di.uoa.gr/pened/?category=publications.
- "D4.8.1 BLUE experiment: description, problem statement and requirements", Ioanna Lykourentzou, Yannick Naudet, Eric Tobias, Angeliki Antoniou, George Lepouras, Costas Vassilakis, http://www.experimedia.eu/wp-content/uploads/sites/3/2013/04/D4.8.1-BLUE-Experiment-Description-Problem-Statement-and-Requirements-v1.0.pdf
- "D4.8.2 BLUE Experiment: Progress report", Ioanna Lykourentzou, Yannick Naudet, Eric Tobias, Younes Djaghloul, Angeliki Antoniou, George Lepouras, Costas Vassilakis, http://www.experimedia.eu/wp-content/uploads/sites/3/2013/04/D4.8.2-BLUE-Experiment-Progress-Report-v1.0.pdf
- "Deliverable 1.1: Survey of quality assurance system standards" (Quality Assurance project)
- "Deliverable 2.1: Quality management plan" (Quality Assurance project)
- "Deliverable 3.1: Support of evaluation teams: Creation of archive material and population of the information system" (Quality Assurance project)
- "Deliverable 4.1: Yearly project reports" (Quality Assurance project)
- "Deliverable 4.2:Final project report" (Quality Assurance project)
- "Deliverable 5.1: Plan for improving the teaching process and services in the University of the Peloponnese" (Quality Assurance project)
- "Deliverable 6.1: Printed result dissemination material" (Quality Assurance project)
- «Guide for applying the internal quality assurance system», Quality assurance unit, University of the Peloponnese
- "D1.1 Market research and GIS-Mobile LBS tools/platforms assessment for electronic service applications in the tourism sector" (e-tourism project)
- "D1.2 Market research and assessment of augmented reality technology & services as well as mobile value added services for electronic service applications in the tourism sector" (e-tourism project)
- "D2.1 Operational and technological models and Web/Mobile GIS portal tourism data models" (e-tourism project)
- "D2.2 Best practices for extracting/developing/managing the e-tourism content" (e-tourism project)
- "D2.3 Operational / Functional / Technological design of mobile value added services for electronic tourism services" (e-tourism project)
- "D4.1 Final pilot application design " (e-tourism project)
- "D4.2 Content preparation for pilot implementation" (e-tourism project)
- "D4.3 Development and integration of pilot applications" (e-tourism project)
- "D3.2: Technological modules -First version", May 2017, CrossCult project

- "D3.3: Integration and testing report - First version", May 2017, CrossCult project
- "D4.1: Crosscult Platform Back-End - First version", May 2017, CrossCult project
- "D4.2: CrossCult front-end toolset –First version", May 2017, CrossCult project
- "D4.3: Programmer's guide for data management and service invocation - First version", May 2017, CrossCult project
- "D3.4: Technological modules", February 2018, CrossCult project
- "D3.5: Integration and testing report", April 2018, CrossCult project
- "D4.4: Crosscult Platform Back-End", April 2018, CrossCult project
- "D4.5: CrossCult front-end toolset", April 2018, CrossCult project
- "D4.6: Programmer's guide for data management and service invocation", April 2018, CrossCult project
- D2.1 Threat landscape: trends and methods, 8/2018, Cyber-Trust project
- "Π1.1 System functional requirements", September 2018, TripMentor project
- "Π1.2 System architecture", October 2018, TripMentor project
- "Π1.3 Database design", November 2018, TripMentor project
- "Π1.4 Database schema", November 2018, TripMentor project
- D2.3 Cyber-Trust Use Case Scenarios, 12/2018, Cyber-Trust project
- D2.5 Threat actors' attack strategies, 12/2018, Cyber-Trust project
- "D5.1 State-of-the-art on proactive technologies", February 2019, Cyber-Trust project.
- Π2.3 Data mapping report, March 2019, TripMentor project
- D6.1 State-of-the-art on profiling, detection and mitigation, 3/2019, Cyber-Trust project
- D3.4 Cyber-Trust impact assessment (1st report), 8/2019, Cyber-Trust project
- "Π2.1 Tools (crawlers) for the retrieval of user and PoIs data, September 2019, TripMentor project
- Π2.2 Input data database and information repository , September 2019, TripMentor project
- D9.11 Interim Exploitation Plan, 10/2019, CyberTrust project
- D5.3 CYBER-TRUST proactive technology tools", January 2020, Cyber-Trust project.
- D8.1 Platform evaluation plans, 2/2020, Cyber-Trust project
- D12.1 Outreach & communication plan and dissemination report (I), 3/2020, ForeSight project
- "D5.4 Trust management service: security and privacy", April 2020, Cyber-Trust project.
- Π3.3.1.α: Conceptual Architecture of Infrastructure platform, April 2020, ENIRISST project
- D5.4 - Trust management service: security and privacy, 4/2020, CyberTrust project
- D9.12 Interim Exploitation Strategy Plan V2, May 2020, CyberTrust project
- Π3.1 Typology for visitors and destinations, July 2020, TripMentor project
- D4.2 Report for Learning/Training Objectives, Methodology and evaluation, 9/2020, ForeSight project
- Π3.2 Development of typology and storytelling prototypes, October 2020, TripMentor project
- D8.2 Integrated CYBER-TRUST platform & testing: v1, 11/2020, CyberTrust project
- D7.2 Report about power grid use cases, 2/2021, ForeSight project
- D9.1 Gamification and visualisation modules (I), 4/2021, ForeSight project
- D8.4 Integrated CYBER-TRUST platform & testing: v2, 6/2021, CyberTrust project
- Π3.4 Automated functionalities of technological solutions, July, 2021, TripMentor project
- Π3.5 Documentation and usage instructions for technological solutions, July 2021, TripMentor project
- D9.10 Final exploitation and technology implementation plan, 8/2021, Cybertrust project
- Π4.2 Documentation and usage instructions for web applications, November 2021, TripMentor project
- Π4.5.3.1 Report on Unified Open Data Model, December 2021, ENIRISST project
- Π4.5.4.2 Methods/Algorithms for data processing, December 2021, ENIRISST project
- Π5.1 Report on the evaluation, implementation and compliance against the system requirements, April 2022, TripMentor project
- Π.6.6.1.2 WIKI-INFRASTRUCTURE, October 2022, ENIRISST project
- Π2.1: Functional specification and architectural design of the information management and use system, 10/2022, «Upgrading of the quality of the University of the Peloponnese, to support its more efficient and effective operation – Support of the Quality Assurance Unit» project
- Π2.2: Report on the implementation of the information management and use system, 10/2022, Πράξη «Upgrading of the quality of the University of the Peloponnese, to support its more efficient and effective operation – Support of the Quality Assurance Unit» project
- Π2.3: Report on the interoperability of the information management and use system and other information systems of the University of the Peloponnese, 10/2022, «Upgrading of the quality of the University of the Peloponnese, to support its more efficient and effective operation – Support of the Quality Assurance Unit» project
- Π3.1.2 Report on the cataloguing of needs and specification of the requirements of the ENIRISST+ services (UOP), January 2023, ENIRISST+ project
- Π3.3.2 Cataloguing and synthesis of the EN.I.R.I.S.S.T.+ platform requirements (UoP), January 2023, ENIRISST+ project
- Π3.4.1 EN.I.R.I.S.S.T+ Architectural blueprint (UoP), January 2023, ENIRISST+ project
- Activities report, 7/2023, D. Papaioannou archive project

- Π2.1.5 Creation of project accounts on social, academic and research networking sites, e.g. Linkedin, Academia, Research Gate, Facebook, September 2023, ENIRISST+ project
- Π2.1.10 Provision of informational material for use on social, academic and research networking sites, e.g. Linkedin, Academia, Research Gate, Facebook, Twitter (UoP), September 2023, ENIRISST+ project
- Π4.2.2 Database schema (UoP), September 2023, ENIRISST+ project
- Π6.2.2α Development of Interface for the Centre of Sustainable Port Development (UoP), September 2023, ENIRISST+ project
- Π6.2.2β Development of Interface for the Centre of Sustainable Port Development (UoP), September 2023, ENIRISST+ project
- Π6.4.3 Report on the evaluation, implementation, and conformance to the system requirements of the EN.I.R.S.S.T.+ platform (UoP), September 2023, ENIRISST+ project
- Π6.1.2 Documentation and usage instructions for the Logistics 4.0 platform (UoP), September 2023, ENIRISST+ project
- Π2.1.4 Website technical support (UoP), September 2023, ENIRISST+ project
- Π4.4.1 Technical report for the protection of privacy and data security (UoP), September 2023, ENIRISST+ project
- Π4.3.3 Automated functionalities of technological solutions for processing, analysis and visualization of data (UoP), September 2023, ENIRISST+ project
- Π4.3.4 Documentation and usage instructions for the technological solutions for processing, analysis and visualization of data (UoP), September 2023, ENIRISST+ project
- Π4.2.1 Database design (UoP), September 2023, ENIRISST+ project

Academic Lectures

Undergraduate

- Laboratory lectures in UNIX operating system, in the Department of Informatics, University of Athens. (1990-1991, 1991-1992 and 1992-1993).
- Object-oriented design and C++ language in Dept. of Informatics, University of Athens.
- Operating Systems (1995-1996, 1996-1997, 1998-1999 and 1999-2000) Dept. of Informatics, University of Athens.
- Operating Systems II in Dept. of Informatics, University of Athens (1992-1993, 1993-1994, 1994-1995, 1995-1996, 1998-1999, 1999-2000, 2000-2001 and 2001-2002).
- Introduction to Computer Science in Dept. of Informatics, University of Athens (1995-1996 and 1996-1997).
- C++ language in the context of the "Object-oriented programming" class, Department of Informatics, University of Athens, 1999-2000.
- «Protection and Security in Information Systems» in Dept. of Informatics, University of Athens (2001-2002, 2002-2003, 2003-2004, 2004-2005, 2005-2006, 2006-2007 and 2007-2008).
- «Principles of Programming» in Dept. Of Computer Science and Technology of the University of the Peloponnese (2002-2003, 2003-2004, 2004-2005).
- «Introduction to Programming» In Dept. Of Telecommunications Science and Technology of the University of the Peloponnese (2002-2003, 2003-2004, 2004-2005).
- "History of Computers and Telecommunications", In Dept. Of Telecommunications Science and Technology of the University of the Peloponnese (2002-2003, 2003-2004)
- "Introduction to databases" in Dept. Of Computer Science and Technology of the University of the Peloponnese (2003-2004)
- "Operating Systems" in Dept. Of Computer Science and Technology of the University of the Peloponnese (2003-2004, 2004-2005, 2005-2006, 2006-2007, 2007-2008, 2008-2009, 2009-2010, 2010-2011, 2011-2012)
- "Operating Systems" in Dept. Of Telecommunications Science and Technology of the University of the Peloponnese (2003-2004, 2004-2005)
- "Systems Programming" in Dept. Of Computer Science and Technology of the University of the Peloponnese (2003-2004, 2004-2005, 2005-2006, 2006-2007, 2007-2008, 2008-2009, 2009-2010, 2010-2011, 2011-2012)
- "Internet services" in Dept. Of Computer Science and Technology of the University of the Peloponnese (2004-2005, 2005-2006)
- "Selected subjects on Software Systems" in Dept. Of Computer Science and Technology of the University of the Peloponnese (2005-2006, 2006-2007)
- «Distributed Systems» in Dept. Of Computer Science and Technology of the University of the Peloponnese (2006-2007, 2007-2008, 2008-2009).
- «Software Engineering II» Dept. Of Computer Science and Technology of the University of the Peloponnese (2007-2008).
- «Information Systems» Dept. Of Computer Science and Technology of the University of the Peloponnese (2008-2009).

- "Software Engineering", Dept. Of Computer Science and Technology of the University of the Peloponnese (2009-2010, 2010-2011, 2011-2012, 2012-2013
- «Legal issues of informatics» Dept. Of Computer Science and Technology of the University of the Peloponnese (2009-2010, 2010-2011, 2011-2012, 2012-2013).
- «Operating systems» Department of Informatics and Telecommunications, University of the Peloponnese (2013-2014, 2014-2015, 2015-2016, 2016-2017, 2017-2018, 2018-2019, 2019-2020, 2020-2021, 2021-2022, 2022-2023, 2023-2024).
- «Software Engineering » Department of Informatics and Telecommunications, University of the Peloponnese (2013-2014, 2014-2015, 2015-2016, 2016-2017, 2017-2018, 2018-2019, 2019-2020, 2020-2021, 2021-2022, 2022-2023, 2023-2024).

Postgraduate

- Lectures for course *Distributed Operating Systems* in the Postgraduate Programme of the Department of Informatics, University of Athens (1993-1994).
- "Data Bases" in the Postgraduate Programme "Electronic Automation", University of Athens (1995-1996).
- "Distributed Databases" in the Postgraduate Programme of the Department of Informatics, University of Athens (1996-1997).
- "New technologies and museums" in the Postgraduate programme "Museum studies" of the University of Athens.
- «Internet Programming and Technologies», Postgraduate programme in Computer Science and Technology, University of the Peloponnese (2009-2010).
- "Topics on Netcentric Programming", Postgraduate programme in Computer Science and Technology, University of the Peloponnese (2011-2012, 2012-2013, 2013-2014, 2014-2015, 2015-2016, 2017-2018).
- Lectures for course "Real-time systems", joint postgraduate programme "Electronic Automation", departments of Physics and Informatics & Telecommunications, National and Kapodistrian University of Athens (2013-2014, 2014-2015, 2015-2016, 2016-2017, 2017-2018).
- "Topics on Information Systems", Postgraduate programme in Computer Science, University of the Peloponnese (2018-2019, 2020-2021, 2021-2022, 2022-2023, 2023-2024).

Selected seminar lectures

- Lectures in seminars for Case Tools at KEKA (Athens Innovation Center).
- Lectures in seminars in C programming language, for the Union of Greek Physics.
- Lectures in seminars for Office Automation in KEKA (Athens Innovation Center).
- Lectures in seminars for the training of the member of the Secretariat of Medical School in DOS and UNIX.
- Training of the Civil Air-force employees in C language.
- Teacher in the Institute for Professional Training of Piraeus (1992-1993), in the Programmers-Assistant Analysts department.
- Lectures in seminars for training of unemployed, by the University of Aegean. The lectures were about the Windows environment and an overview of data networks and office automation.
- Seminar on Temporal Object Oriented Databases to financial and private sector employees, in the framework of the dissemination activities of the TOOBIS project.

PhD supervision

The following PhDs have been completed under my supervision:
1. Vasiliadis Dimitrios, «Modelling - Simulation of Routing and Performance Analysis of Multistage Interconnection Networks for Optimizing the Performance of Distributed Applications» (Department of Computer Science and Technology, University of the Peloponnese)
2. Rizos Georgios, «Routing simulation, performance evaluation and proxy mechanisms for guaranteeing and elevating the quality of service for distributed applications within wireless networks, under mobility conditions» (Department of Computer Science and Technology, University of the Peloponnese)
3. Benou Poulcheria, «A software development methodology and a software architecture for context - aware m - commerce applications» (Department of Computer Science and Technology, University of the Peloponnese)
4. Giannikopoulos Panagiotis, «Recommender Systems Over P2P Architectures», (Department of Computer Science and Technology, University of the Peloponnese)

I am currently supervising the following PhDs:
- Bourlakos Ioannis, «Context-aware software» (Department of Informatics and Telecommunications, University of the Peloponnese)
- Sotiropoulos Panagiotis, «Methodologies and techniques for discovering and correcting intermittent failures» (Department of Informatics and Telecommunications, University of the Peloponnese)

- Saltari Georgia, «data management in contemporary environments such as the computing cloud and/or the linkage and integrated management of data» (Department of Informatics and Telecommunications, University of the Peloponnese)
- Mathas Minas-Christos, "Cyber Threats in the Contemporary Internet" (Department of Informatics and Telecommunications, University of the Peloponnese)
- Palaiologos Konstantinos, "Scribe identification in Medieval Greek Manuscripts Using Artificial Intelligence" (Department of Informatics and Telecommunications, University of the Peloponnese)
- Vassilopoulos Dionissios, "Social Networks/Recommenders - Recommendation Systems" (Department of Informatics and Telecommunications, University of the Peloponnese)

I have served as a member of the Ph.D. advisory committee for the following completed PhD theses:
- Margaris Dionisios, Department of Informatics and Telecommunications, University of Athens, 2014 «Advanced BPEL execution adaptation using QoS parameters and collaborative filtering techniques»
- Poulis Giorgos, "Data Anonymity and Truthfulness", Department of Informatics and Telecommunications, University of the Peloponnese, 2015.
- Theodoropoulos Anastasios, "Framework for the effective implementation of alternative teaching methods for Informatics", Department of Informatics and Telecommunications, University of the Peloponnese, 2017.
- Latifis Ioannis, "A MATLAB to C vectorizing compiler exploiting custom instructions of targeted processors", Department of Informatics and Telecommunications, University of the Peloponnese, 2017.
- Lezos Christakis, «Reuse distance analysis for data locality optimization in loop-dominated applications», Department of Informatics and Telecommunications, University of the Peloponnese, 2018
- Lefteris Zervakis, "Efficient Continuous Multi-Query Processing over Data Streams", Department of Informatics and Telecommunications, University of the Peloponnese, 2019.
- Chris Karanikolas, Model-driven Software Architectural Design based on Software Evolution Modeling and Simulation and Design Pattern Analysis for Design Space Exploration Towards Maintainability, University of the Peloponnese, 2022
- Rompa Jenny, «Cultural Sites Visit Time Constraints: an approach from mini to nano games», Department of Informatics and Telecommunications, University of the Peloponnese, 2022
- Kyriakou Kyriakos, "Open Source Software Technologies: Challenges and Opportunities for Web Applications Development", University of the Peloponnese, 2022
- Papadogiannis Ilias, «Data analysis as a tool for the documentation of decisions in the Greek Educational System», October 2023, Department of Informatics and Telecommunications, University of the Peloponnese

I am a member of the Ph.D. advisory committee for the following PhD candidates:
- P. Tritakis, «Data warehouses and update processes»
- Ch. Charalampous, «Active data warehouses»
- Krypotos Ioannis, «Personal information management systems»
- Ntalouka Euthalia, Comparative study of material, techniques and conservation state of bookbindings of books of the 19th century in Greek libraries, Department of Conservation of Antiquities and Works of Art
- Brotsis Sotirios, Innovative Solutions for IoT Security and Forensics Using Blockchain Technology, Department of Informatics and Telecommunications, University of the Peloponnese
- Assimakopoulos Fotios, Factors affecting precision agriculture acceptance and adoption, Department of Management Science and Technology, University of the Peloponnese
- P. Reklitis, Strategic Management of Digital Marketing Methods Based on Decision Support Systems, Department of Agribusiness & Supply Chain Management
- Sgardelis Kyriakos, Design and development of software for the estimation of social trends, based on information on social networks and recommender systems techniques, Department of Digital Systems, University of the Peloponnese

I have served as a member of the examination committee of the following PhDs:
- Papapanagiotou Konstantinos, "Certificate validation towards efficient trust establishment in mobile ad hoc networks", 2008
- Katifori Akrivi, "Intelligent environment for managing historical archive documents", 2009
- Torou Eleni, "Research methodology on historical archives", 2009
- Louloudis Georgios, "Character Recognition in Historical Documents (handwritten, cursive and printed documents)", 2009
- Giannopoulou Eugenia, "Integration and visualization of proteomics data", 2009
- Kalikakis Emmanouil, "P2P e-services that enhance participation in decision making and budget allocation", 2009
- Antoniou Aggeliki, "A methodology for the development of museum educational applications", 2009
- Kareliotis Christos, "BPEL scenario execution: dynamic adaptation and exception handling based on qualitative characteristics", 2010
- Stamati Mavretta, "Development of transformational and adoption model for electronic government", 2010
- Ntelopoulou Chara, Department of Informatics and Telecommunications, University of Athens, 2014, «Development of a conceptual and methodological framework for the management and the identification of impediments and opportunities for adopting e-government services », 2014
- Malaperdas Georgios, «Geographical Information Systems for Recording and Geospatial Analysis of Mycenae Location in Messinia», Department of History, Archaeology and Cultural Resources Management.
- Georgios Chatzigeorgakidis, "Scalable Indexing and Exploration of Big Time Series Data", Department of Informatics and Telecommunications, University of the Peloponnese, 2020

- Perdikopanis Nikolaos, "Machine learning for big biological data analysis", Department of Electrical and Computer Engineering, University of Thessaly, 2020
- Davetas Theodoros, "Evidence Transfer: A Versatile Deep Representation Learning Method for Information Fusion", Department of Informatics and Telecommunications, University of the Peloponnese, 2021
- Kotronis Christos, "QOS - AWARE MODEL-BASED SYSTEMS DESIGN USING SYSTEMS MODELING LANGUAGE", Department of Informatics and Telematics, Harokopio University, 2021
- Konstantinos Zagganas, "Scalable data-driven enrichment analysis of short RNAs", Department of Informatics and Telecommunications, University of the Peloponnese, 2021
- Konstantinos Theocharidis, "Data analytics on graphs", Department of Informatics and Telecommunications, University of the Peloponnese, 2022
- Serafeim G. Chatzopoulos, "Data mining for scholarly information networks", Department of Informatics and Telecommunications, University of the Peloponnese, 2022
- Georgios Kougioumtzoglou, "Game Engines for Design Assessment and for Safety Training", Department of Informatics and Telecommunications, University of the Peloponnese, 2022
- Vasilios Nikolopoulos, "Fog Node Self-Control Middleware: Towards Autonomous Decision Making in Fog Colonies", Department of Informatics and Telematics, Harokopio University, 2022
- Christos A. Sardianos, "Recommender Systems with Real-life Applications", Department of Informatics and Telematics, Harokopio University, 2023
- Saltapida Spiridoula, "Ancient theatre and digital environment: designing a museumkit based on new technologies for the ancient theatre of Argos", Department of Theatre Studies, University of the Peloponnese, 2023

Supervision of undergraduate theses

1. "Implementation of a Web-based manual for an object-oriented methodology" (1998-1999) (Nanou Spiridoula and Papadimitriou Georgia) (Dept. of Informatics, University of Athens)
2. "Controlled Caching of Dynamic WWW Pages" (1999-2000) (Vassilis Androutsopoulos and George Fortsaris) (Dept. of Informatics, University of Athens)
3. «Porting Valid Time SQL from the Ingres DBMS to the Oracle DBMS» (1999-2000) (Gountanas Constantine, Chouchoulis Micail) (Dept. of Informatics, University of Athens)
4. «Implementation of a Web-based dictionary for Informatics Terminology» (1999-2000) (Balafa Olga) (Dept. of Informatics, University of Athens)
5. «Information archiving and retrieval system» (2001-2002) (Tsiga Maria) (Dept. of Informatics and Telecommunications, University of Athens)
6. «A tool for Building HTML pages to query database systems» (2002-2003) (Tzerpos Vassileios) (Dept. of Informatics and Telecommunications, University of Athens)
7. «Embedded Systems, Present and Future» (2002-2003) (Kristalidis Stratos, Tsiridi Aggelina) (Dept. of Informatics and Telecommunications, University of Athens)
8. «Implementation of a Virtual Museum using the Graphics Engine and the Environment of the Unreal Tournament» (2002-2003) (Stavroulakis Dimitris and Karkanis Fotis) (Dept. of Informatics and Telecommunications, University of Athens)
9. «Implementation of a database and a web interface for a virtual museums environment» (2002-2003) (Farmaki Georgianna, Sfakianakis Nikos) (Dept. of Informatics and Telecommunications, University of Athens)
10. «Reverse engineering of electronic services forms» (2003-2004), Galifos George, (Dept. of Informatics and Telecommunications, University of Athens)
11. «Ontology-based architecture for web service composition and execution, Vrontakis Stylianos, Dept. of Computer Science and Technology, University of the Peloponnese, 2007
12. «Design and Development of a Tool for Implementing Virtual Museums», Mateevitsi Victor και Sfakianos Michail, Dept. of Computer Science and Technology, University of the Peloponnese, 2007.
13. «Ontologies: Methodologies and Tools for Development and Evaluation », Leontiadou Dorianna, Dept. of Informatics and Telecommunications, University of Athens, 2008
14. «OffLine web applications», Nikos Dimitrakopoulos, Dept. of Telecommunications Science and Technology, University of the Peloponnese, 2008
15. «System for visualizing data collections: MoireGraphs», Papageorgiou Aleksandros, Dept. of Computer Science and Technology, University of the Peloponnese, 2008
16. «Replication in relational databases», Giannakeas Elias, Dept. of Computer Science and Technology, University of the Peloponnese, 2008
17. «Optimization of composite web service execution through streamlining intermediate results», Karkalakis Ioannis & Giannopoulos Eustratios, Dept. of Computer Science and Technology, University of the Peloponnese, 2009.
18. "An information system for elementary schools", Koen Errikos and Saripanidis Ilias, Dept. of Computer Science and Technology, University of the Peloponnese, 2009.
19. "A web-based personal profile ontology management system", Antonio Katit and Marios Milonas, Dept. of Computer Science and Technology, University of the Peloponnese, 2009.

20. "Analysis of a business rule management system", Stivachti Panagiota, Dept. of Computer Science and Technology, University of the Peloponnese, 2009.
21. "Voting through the internet in the context of e-democracy", Papatheodorou Konstantinos, Dept. of Computer Science and Technology, University of the Peloponnese, 2010.
22. "Linking the personal ontology to the Facebook system", Neiros Eustratios, Dept. of Computer Science and Technology, University of the Peloponnese, 2010.
23. «Study and improvement of access for Web 2.0 information publication tools», Kampana Euthimia, Dept. of Computer Science and Technology, University of the Peloponnese, 2009. (co-supervision with Dr. Varlamis Iraklis)
24. "Virtual communities and design of a distributed and novel learning environment to simulate a virtual classroom", Metaksas Ioannis, Dept. of Computer Science and Technology, University of the Peloponnese, 2007.
25. "A system to share pictures and experiences, enriched with location tracking and semantic features", Kapelonis Emmanouil, Dept. of Computer Science and Technology, University of the Peloponnese, 2011.
26. «Analysis and implementation of the RBAC security model», Gkogkolis Georgios, Dept. of Computer Science and Technology, University of the Peloponnese, 2012
27. «Software in context: Design issues and a development framework using Java and AspectJ» John Bourlakos, Dept. of Computer Science and Technology, University of the Peloponnese, 2012
28. «Maintaining privacy in web service adaptation systems », Bellos Eustratios, Dept. of Computer Science and Technology, University of the Peloponnese, 2012.
29. «Design and implementation of adaptive web services», Glikiotis Dimitrios, Dept. of Computer Science and Technology, University of the Peloponnese, 2012.
30. «Context-aware mobile application for locating POIs», Dana Christos, Dept. of Computer Science and Technology, University of the Peloponnese, 2013.
31. «Implementing evolution heuristics in ontologies», Barbaris Stylianos, Dept. of Informatics and Telecommunications, University of the Peloponnese, 2013.
32. «Creating a personal ontology for using by a ontology-enhanced file manager », Περικλέους Γεώργιος, Dept. of Informatics and Telecommunications, University of the Peloponnese, 2013.
33. Euaggelia Margariti and Paraskevi Prousali, Development of an application for connecting e-class to a social network, Dept. of Informatics and Telecommunications, University of the Peloponnese 2014
34. Pavloudi Euthimia, «Developing a system for accessing parts and compositions of pages (mashups) through mobile devices », Dept. of Informatics and Telecommunications, University of the Peloponnese 2014
35. Skarpathiotaki Christina - "Design and development of a file deletion mechanism in a big data environment»" (in cooperation with CERN), Dept. of Informatics and Telecommunications, University of the Peloponnese 2014
36. Manolaina Emmanouela - "A system for storing and interchanging certificates through a smart phone", Dept. of Informatics and Telecommunications, University of the Peloponnese 2015
37. Karali Dimitra - "Parametrization, extension and deployment of an e-ticketing system ", Dept. of Informatics and Telecommunications, University of the Peloponnese 2015
38. Stylianidis Agathaggelos - " Development system of registration and data management (Data Acquisition System) for the needs of MicroMegas detector of the ATLAS experiment of Large Hadron Collider" (in cooperation with CERN), Dept. of Informatics and Telecommunications, University of the Peloponnese 2015
39. Georgiou Georgios, «Parallel implementation of a spreading activation algorithm», Dept. of Informatics and Telecommunications, University of the Peloponnese 2015
40. Spyratos Aggelos, Using AI in games, Dept. of Informatics and Telecommunications, University of the Peloponnese, 2016.
41. Kardiasmenos Apostolos and Panatazopoulos Dimitrios, Development and evaluation of a global scope optimizer for web service invocation adaptation, in progress, 5/2016
42. Giannakopoulos Theodoros, Data mining for academic data, September 2016
43. Chrysanthakis Charalambos, Extracting course evaluation statistics, October 2016
44. Paschalis Nikolaos, «Learning analytics: Programming, performance, cognitive profiles and course improvement guidelines», May 2017.
45. Bekiaris Marinos and Gazis Antonios, «Creation of a student pre-registration system», January 2017
46. Theodosis Eustathios, «Crowd Reputation-Aware Decision-Making System», June 2017
47. Christopoulou Konstantina, «Ontological modeling of a curriculum and linking with third-party data sources», August 2017
48. Maniataki Dimitra, «Extraction and exploitation of Twitter trending topics», February 2018.
49. Mathas Christos-Minas, «Evaluating Apache Spot using penetration testing», March 2018.
50. Koutsouris Nikolaos, «Using computational creativity methods for creating narratives», June 2018
51. Papastathis Konstantinos, «Co-writing Stories in a Crowdsourcing environment», June 2018.
52. "Internet-based system for managing employee leaves", Livanios Fotios, Department of Informatics and Telecommunications (Completed, 4/2020)
53. "Internet-based system for managing employee leaves", Larentzakis Georgios-Dimitrios, Department of Informatics and Telecommunications (Completed, 4/2020)
54. "The Prisoner's dilemma: Assessment of Player's Behavior when Playing Against a Computer Opponent with Varying Strategies", Zisimatou Maria-Christina, Department of Informatics and Telecommunications (Completed, 4/2020)

55. "Medical Data Processing and Analysis", Dimitrakopoulou Danai, Department of Informatics and Telecommunications (Completed, 11/2020)
56. "Medical Data Processing and Analysis", Lazaraki Kleopatra, Department of Informatics and Telecommunications (Completed, 11/2020)
57. "Development and evaluation of a team formation algorithm for gaming environments", Topalidis Iason, Department of Informatics and Telecommunications (Completed, 10/2021)
58. "Sentiment analysis for videos with Greek speech", Singk Manvir, Department of Informatics and Telecommunications (Completed, 10/2021)
59. "Recommender systems with sentiment detection and exploitation", Michailidis Kyriakos, Department of Informatics and Telecommunications (Completed, 12/2021)
60. "A system for the collection and presentation of computing infrastructure energy consumption data", Karapanou Maria-Anna, Department of Informatics and Telecommunications (Completed, 5/2022)
61. "Developing 2D Platform Game " The Boy With The Arrow", Galanouli Anthia, Department of Informatics and Telecommunications (Completed, 4/2022)
62. "Developing 2D Platform Game " The Boy With The Arrow", Ranakis Meletios, Department of Informatics and Telecommunications (Completed, 4/2022)
63. "A system for the quality assurance of examinations subjects ", Trigka Vassiliki, Department of Informatics and Telecommunications (Completed, 9/2022)
64. "A system for the management of collaboration preferences and ratings ", Mpissias Christos, Department of Informatics and Telecommunications (Completed, 10/2022)
65. "Processing and Statistical Analysis of Medical Data", Mourti Andriana, Department of Informatics and Telecommunications (Completed, 1/2023)
66. "MathGraph: An interpeter based web application for analysis and computation of mathematical functions, with .NET 6", Moussa Veniamin, Department of Informatics and Telecommunications (Completed, 2/2023)
67. "Designing a racing game that implements motion physics for a realistic driving experience using Unity", Papachristou Ioannis, Department of Informatics and Telecommunications (Completed, 3/2023)
68. "A web application for the management of the Greek Red Cross Volunteers", Katsogiannos Christos, Department of Informatics and Telecommunications (Completed, 4/2023)
69. "A web application for the management of the Greek Red Cross Volunteers", Latsis Grigorios, Department of Informatics and Telecommunications (Completed, 4/2023)
70. "Design of a script programming language and implementation of interpretation in C++", Motsi Polykseni, Department of Informatics and Telecommunications (Completed, 10/2023)
71. "Code Portfolio web application using .NET Core 7.0 and Angular 14", Rigopoulos Stefanos, Department of Informatics and Telecommunications (Completed, 10/2023)
72. "Defence against Phishing via an application plugin", Fraggeas Nikolaos, Department of Informatics and Telecommunications (Under development)
73. "Organization and execution of experiments for the evaluation of information dissemination for learning support systems through social networks", Pantazis Konstantinos, Department of Informatics and Telecommunications (Under development)
74. "Prisoner's dilemma: expansion/adaptation of an experiment execution application and development of a web-based application", Theodorakopoulos Dimitrios, Department of Informatics and Telecommunications (Under development)
75. " Development of a system for the collection, management and monitoring of medical data ", Tragakis-Frizis Erikos, Department of Informatics and Telecommunications (Under development)
76. " An app to support insulin dosage calculation for patients with diabetes", Karagiannis Achilleas, Department of Informatics and Telecommunications (Under development)
77. "A system for team formation in collaborative environments", Chatzichristidis Ioannis, Department of Informatics and Telecommunications (Under development)
78. "A system for team formation in collaborative environments", Georgakopoulos Christos, Department of Informatics and Telecommunications (Under development)
79. "Expansion of a learning management system for the management of collaboration preferences and evaluation of collaborations", Papageorgiou Aggeliki, Department of Informatics and Telecommunications (Under development)
80. "Development mobile applications for the management of medical data", Papadimos Aleksandros, Department of Informatics and Telecommunications (Under development)
81. "Implementation of a difficult spelling words game ", Christopoulos Andreas, Department of Informatics and Telecommunications (Under development)
82. "Development of a moral dilemma interactive game ", Chalkiadakis Aris-Ioannis, Department of Informatics and Telecommunications (Under development)
83. "A system for recording, listing and progress monitoring of thesis subjects", Paraskevopoulos Marios, Department of Informatics and Telecommunications (Under development)
84. "A system for reporting and visualizing glucose level measurements)", Mazis Georgios, Department of Informatics and Telecommunications (Under development)
85. "Semantic analysis using Spacy: Virtual Assistant", Mandalas Stefanos, Τμήμα Επιστήμης και Τεχνολογίας Υπολογιστών (Completed, 1/2023)

Supervision of postgraduate theses

1. "Study of criteria for database design" (1997-1998) (Tsiompani Maria and Belia Ioanna) (Postgraduate course for Electronics and Automation, University of Athens).
2. «Server-side caching of dynamic web pages» (2001-2002) (Vassilis Androutsopoulos) (Postgraduate program of the Dept. of Informatics and Telecommunications, University of Athens)
3. «Documenting Valuable books collections: requirements and modeling», Ntalouka Thaleia, Postgraduate Program on Museum Studies, University of Athens.
4. «Design and Implementation of a 3D dynamically created virtual museum for web-based adaptive virtual environments», Velessiotis Ioannis, Postgraduate program of the Dept. of Informatics and Telecommunications, University of Athens, 2005.
5. «Study and evaluation of virtual world-supported learning management systems», Dimopoulou Nikoleta, Dept. of Computer Science and Technology, University of the Peloponnese, 2011.
6. «Integrating Web 2.0 technologies in Learning Management Systems (LMS) and personal learning environments», Chronopoulou Vassiliki, Postgraduate programme in Computer Science and Technology, University of the Peloponnese, 2011.
7. «Study and implementation of an ontology fuzzification platform», Papafragkos Ioannis, Postgraduate programme in Computer Science and Technology, University of the Peloponnese, 2011. (co-supervision with Dr. Wallace Manolis).
8. «Application software security assessment methods», Aleksandropoulou Maria, Postgraduate programme in Computer Science and Technology, University of the Peloponnese, 2011.
9. «Adaptiveness in computer-aided education», Papadopoulos Dimitrios, Postgraduate programme in Computer Science and Technology, University of the Peloponnese, 2012.
10. «A framework for developing adaptive e-commerce appications », Saltari Georgia, Postgraduate programme in Computer Science and Technology, University of the Peloponnese, 2012.
11. «A framework for developing adaptive e-commerce appications », Vlachou Christina, Postgraduate programme in Computer Science and Technology, University of the Peloponnese, 2012.
12. «Approaches to developing adaptive services in the context of e-commerce», Fountas Georgios, Postgraduate programme in Computer Science and Technology, University of the Peloponnese, 2012.
13. «Application development and qualitative characteristics in the cloud», Gaspari Michaela-Christina, Postgraduate programme in Computer Science and Technology, University of the Peloponnese, 2012.
14. «Application development and qualitative characteristics in the cloud», Lazari Eugenia, Postgraduate programme in Computer Science and Technology, University of the Peloponnese, 2012.
15. «Architectures and design for the future internet», Tsilivitis Dionisis, Postgraduate programme in Computer Science and Technology, University of the Peloponnese, 2013.
16. «Internet of the future: requirements, technologies and applications», Michailidis Konstantinos, Postgraduate programme in Computer Science and Technology, University of the Peloponnese, 2013.
17. «Multi-dimension indexes for nearest-neighbor queries», Lykourentzos Christos, Postgraduate programme in Computer Science and Technology, University of the Peloponnese, 2013.
18. «Checking web site security: methodologies, and vulnerability checks», Makrypodis Vassilios, Postgraduate programme in Computer Science and Technology, University of the Peloponnese, 2013.
19. "Integrated system for the management of bike rentals", Alexopoulos Dimitrios, Postgraduate programme in Computer Science and Technology (Completed, 5/2013)
20. "Integrated system for the management of bike rentals", Kontogeorgakos Spiridon, Postgraduate programme in Computer Science and Technology (Completed, 5/2013)
21. "Updating of personal ontology from mobile devices: an Android application", Giannopoulos Nikolaos, Postgraduate programme in Computer Science and Technology (Completed, 5/2013)
22. "Updating of personal ontology from mobile devices: an Android application", Gkanas Ioannis, Postgraduate programme in Computer Science and Technology (Completed, 5/2013)
23. «Deep Web», Maroudas Ioannis, Postgraduate programme in Computer Science and Technoloy, University of the Peloponnese, 2014.
24. Deligiannis Kimonas, An Augmented reality system for libraries, Postgraduate programme in Computer Science and Technology, University of the Peloponnese, 2016.
25. Stavropoulou Dimitra, Distributed pattern mining, Postgraduate programme in Computer Science and Technology, University of the Peloponnese, 2016.
26. Karantzoulis Aleksandros, Development of an open-field and closed-field fire and natural disasters detection system, Postgraduate programme in Computer Science and Technology, University of the Peloponnese, 2016.
27. "Exploitation of agile software development methods in education", Marentaki Evaggelis, Postgraduate programme in Computer Science and Technology (Completed, 3/2018)
28. "Graph databases survey and evaluation", ΜΠΑΡΕΚΑ ΜΑΡΙΑ, Postgraduate programme in Computer Science and Technology (Completed, 5/2018)
29. "Search engines for young users", Mpabaliarou Sofia, Postgraduate programme in Computer Science and Technology (Completed, 6/2018)
30. "Process and correlation between large data sets", Giannakopoulos Theodoros, Postgraduate programme in Computer Science and Technology (Completed, 10/2019)

31. "Technologies in dark tourism", Gerogiannaki Eirini, Postgraduate programme in Computer Science and Technology (Completed, 1/2020)
32. "Resource management in collaborative tools: problem modeling and simulation", Christodimitropoulou Maria, Postgraduate programme in Computer Science and Technology (Completed, 6/2020)
33. "Optimization of factors for the digital marketing of high technology products using decision support systems", Gialpas Ioannis, Postgraduate programme in Computer Science and Technology (Completed, 11/2021)
34. "Creation of a chatbot for cultural data", Bouras Vassilios, MSc in Computer Science (Completed, 3/2022)
35. "Comparative study of classification algorithms in cyberattacks", Koutsouris Nikolaos, MSc in Computer Science (Completed, 9/2021)
36. "Analysis of user behaviour during story writing in crowdsourcing environments", Papastathis Konstantinos, MSc in Computer Science (Completed, 10/2019)
37. "Development of a secure social network with multimedia content", Galatis Athanasios, MSc in Computer Science (Completed, 2/2021)
38. " Development of a secure social network with multimedia content ", Konstantopoulos Athanasios, MSc in Computer Science (Completed, 2/2021)
39. "Development of multiplayer AR videogames using Unity 3D", Christopoulos Konstantinos, MSc in Computer Science (Completed, 1/2023)
40. "Automatation Of Examination Process Via Group-Based Exam Generation", ΜΙΧΕΛΗΣ ΑΝΔΡΕΑΣ, MSc in Computer Science (Completed, 6/2022)
41. "A platform for searching and tracking courier posts", Papageorgiou Aleksandros, MSc in Computer Science (Completed, 11/2022)

Reviewer for journals and PC memberships for conferences

A. Associate editorship

- Associate editor of the Information resources management journal

B. Editorial, advisory and review boards

- Member of the IRMA reviewers board
- Member of the Idea Group Editorial Advisory Review Board
- Member of the Editorial board of the Information journal (https://www.mdpi.com/journal/information)

C. Journals

- ACM Computing Surveys
- ACM Journal on Computing and Cultural Heritage
- ACM transactions on Human-Computer Interaction
- ACM Transactions on Recommender Systems
- ACM transactions on the web
- Advances in HCI
- Algorithms
- Applied Artificial Intelligence
- Applied Sciences (MDPI)
- Applied Soft Computing
- Applied system innovation
- Big data
- Big Data and Cognitive Computing
- Big Data Mining and Analytics
- Complexity
- Computers
- Computers in Human Behavior
- Concurrency and Computation
- Chinese Journal of Engineering
- Cybernetics and systems
- Data and Knowledge Engineering journal
- Displays
- Electrical and Computer Engineering
- Electronic Commerce Research and Applications
- Electronic Commerce Research Journal
- Electronics
- Enterprise information systems
- Expert systems
- Expert systems with applications
- Frontiers in public health
- Frontiers of Computer Science
- Frontiers of Engineering management
- Frontiers of Information technology and electronic engineering
- Future Generation of Computer Systems journal
- Government Information Quarterly journal
- IEEE Access
- IEEE Systems
- IETE Technical Review
- IEEE Transactions on Services Computing
- Information (MDPI)
- Information resources management journal (IRMJ)
- Information Sciences
- Information Systems
- Information Visualization
- International Journal of Advanced Media and Communication
- International Journal of Artificial Intelligence and Soft Computing
- International Journal of Big Data and Analytics in Healthcare
- International Journal of Business Performance Management
- International Journal of Cases on Electronic Commerce
- International Journal of Computational Systems Engineering
- International Journal Of Computer Applications In Technology (IJCAT)
- International Journal of Computer Engineering Research
- International Journal of Computers and Applications
- International Journal of Decision Support Systems
- International Journal of E-Business Development
- International Journal of Educational Development
- International Journal Of Electronic Government

- International Journal Of Electronic Government Research
- International Journal of Electronic Marketing and Retailing
- International Journal of Human-Computer Interaction
- International Journal of Industrial and Systems Engineering
- International Journal of Intelligent Information and Database Systems
- International Journal of Information System Modeling and Design
- International Journal of Metadata, Semantics and Ontologies
- International Journal of Parallel, Emergent and Distributed Systems
- International Journal of Services Technology and Management
- International Journal of Web Engineering and Technology
- International Review of Administrative Sciences
- International Review of Administrative Sciences
- IEEE Open Journal of Engineering in Medicine and Biology
- IEEE Systems Journal
- Journal of Computational Science
- Journal of Computer and Network Algorithms
- Journal of Computer Networks and Communications
- Journal of Cybersecurity and Privacy
- Journal of Integrative Bioinformatics
- Journal of Intelligent & Fuzzy Systems
- Journal of Mathematical Modelling and Algorithms - Special Issue on "Computational Science and Applications"
- Journal of Systems and Software
- Journal of Web Semantics
- Journal of Zhejiang University Science C (Computers & Electronics)
- KAIS Journal
- Knowledge-Based Systems
- Knowledge Engineering review
- Mathematical Problems in Engineering
- Mathematics
- Mediterranean Journal of Computers and Networks
- Mobile information systems
- Neural Computing and Applications
- Online Social Networks and Media
- Open Computer Science
- Open Virtual Reality Journal
- Pattern Recognition
- PLOS one
- Scientific programming
- Semantic web journal
- Sensors
- Springer Nature
- Symmetry (MDPI)
- Technologies
- Telematics and Informatics
- The Computer Journal
- Transactions on Computational Science
- Transactions on Human-Computer Interaction
- Transactions on Internet Technologies
- Transactions on Knowledge and Data Engineering
- Transactions on Knowledge Discovery in Data
- Transactions on Network Science and Engineering
- Transactions on Parallel and Distributed Systems
- Transactions on pattern mining
- User Modeling and User-Adapted Interaction
- Very Large Databases Journal
- Wireless Communications
- World Review of Science, Technology and Sustainable Development

D. Conferences

ADBIS 2001, 2002
ADLP 2000
ADVCOMP 2017, 2020, 2021
AFIN 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019
ARES 2007
ASONAM, 2021, 2022
ATHCON2010
CAiSE '96, 2001, 2002, 2005
CHI, 2021, 2024
CI3E 2009
CISSE 2007
COMNETSAT, 2023
CSAE, 2020
CSITeA 04
CTRQ, 2021, 2022
CyberneticsCom, 2022
DESEGOV 2007
DTGS 2016, 2017, 2019
DEXA 98, 2001
EGOSE 2016, 2017, 2018, 2019, 2020, 2021
E-Gov 05, 06, 07, 08, 09

EGOVIS 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023
ESCW 09
Euromed 2018
Euro-mgov 06
HCIS 2005, 2006, 2009, 2010, 2011, 2012, 2013, 2014
ICCS 2004
ICDE 2001
ICEG 2006
ICEGOV 2020, 2021, 2022, 2023
ICEG 06
ICICoS, 2022
ICIST, 2022
ICIW, 2020, 2021, 2022, 2023
ICN, 2020, 2021, 2022
ICNS 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019
International conference on soft computing, 2017, 2020
ICONIP, 2023
ICSNC, 2020, 2021, 2023
ICTAI 07

ICT 2021
International Workshop on the Implementation of Declarative Languages '99
IDEAS 2019, 2020, 2021, 2022
IEEE CSR, 2021, 2022, 2023
Innov, 2023
Intelli, 2021, 2023
IRMA 05, IRMA 2007
ISCC 2017, 2018, 2019, 2020, 2021, 2022, 2023
KMIS, 2020, 2021, 2022, 2023
KMO 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023
MCIS 2009
M-Life 08, 09, 2010
NetSoft, 2023
NOMS, 2022, 2023, 2024
OWASP 2012
OWASP 2013
PCI 08, 2010, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022
PDCS 2004
PIM 2009, 2012

RCIS 2009, 2010, 2011, 2012, 2013, 2014	The Hawaii International Conference On Systems Sciences '99	WEB 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2022, 2023
SecSoft 2019, 2020	Visual 2017, 2018, 2019, 2020, 2023	WEBIST, 2021, 2022
SOTICS, 2023	WACC '99	WEGOV, 2010
SWODCH, 2023		

E. Encyclopedias, collective volumes

- Encyclopedia of Digital Government
- Encyclopedia of e-commerce, e-government and mobile commerce
- Encyclopedia of E-Business

Special issue guest editorship and special session organization

- Special Issue "Digital Systems for Tourism", A special issue of Digital (ISSN 2673-6470, https://www.mdpi.com/journal/digital), Special issue home page: https://www.mdpi.com/journal/digital/special_issues/digital_tourism
- Steering committee member for IEEE CSR (2019, 2020, 2021, 2022, 2023)
- Special Issue "Modern Personalization Techniques: Approaches, Challenges and Applications", Guest editor, Informatics journal, MDPI, https://www.mdpi.com/journal/informatics/special_issues/modern_personalization_techniques
- Workshop on Business Intelligence and Social Networks (BISON 2020), to be held in conjunction with the 2020 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM), December 2020. Organizing Committee member (https://bison.uop.gr/).
- Special issue "Modern Recommender Systems: Approaches, Challenges and Applications", 2019, Guest editor, Information Journal. Guest editor. https://doi.org/10.3390/info10070230
- Special session "Security, Privacy and Trust in the Internet of Things", Global Information Infrastructure and Networking Symposium (GIIS 2018). Organizing Committee member (http://giis-2018.org/wp-content/uploads/2018/07/GIIS-2018_SS3-Call_for_Papers.pdf)
- 14th Panhellenic Conference on Informatics, 2010. Program chair. https://doi.org/10.1109/PCI.2010.5
- Mediterranean Conference on Information Systems 2009, track: "Web Application Security"
- Journal of Electronic Commerce in Organizations, Special Issue in Mobile and Context-Aware e-Commerce, Vol. 6(1), 2008. Guest editor.
- Virtual Reality Journal, Special issue "Virtual reality in the e-Society" Volume 11, Issue 2 (June 2007). Guest editor. https://doi.org/10.1007/s10055-006-0064-0
- Special session in e-society, International conference on Computer Science, Software Engineering, Information Technology, e-Business and Applications (CSITeA 2004). Organizing Committee member.

Citations

The Google Scholar platform reports 4243 citations to my papers, 1843 of which have been recorded since 2018. According to the above set of citations, my h-index metric is equal to 31.

Other activities

- Member of the Undergraduate studies committee of the Department of Management Studies and Technology, University of the Peloponnese (June 2019-September 2019)
- Member of the Undergraduate studies committee of the Department of Informatics and Telecommunications, University of the Peloponnese (2013- September 2019)
- Representative for the University of the Peloponnese in the Greek Universities Network association (2005-today)
- Board member for the Greek Universities Network association (2007-2015)
- Representative for the University of the Peloponnese in the Greek Open Source foundation (2007-today)
- Member of the Software and Database Systems Lab (2005-today)
- Member of the Virtual Reality and Human-Computer Interaction lab (2005-today)
- Member of the General assembly of the Department of Informatics and Telecommunications, University of the Peloponnese (2013-today)
- Member of the Special general assembly of the Department of Informatics and Telecommunications, University of the Peloponnese (2013-today)
- Member of the General assembly of the Department of Computer Science and Technology, University of the Peloponnese (2015-2013)
- Member of the Special general assembly of the Department of Computer Science and Technology, University of the Peloponnese (2015-2013)

- Administrator of the SUN network of the Department of Informatics, University of Athens (1990-2001).
- Administrator of the PC lab of the Department of Informatics, University of Athens (1995-2001)
- Member of the Administration team of the WWW site of Department of Informatics, University of Athens (1993-2001).
- Administrator of the Ingres, Oracle and Sybase DBMSs in the Sun network of the Department of Informatics, University of Athens (1994-2001) and the O_2 DBMS (1996-2001).
- Administrator of the www.e-gov.gr site (2001-2006)

Foreign languages

- English

November, 2023

Costas Vassilakis