

VASSILIOS S. VERYKIOS

Professor, School of Science and Technology,
Hellenic Open University, Patras, GREECE

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RESEARCH INTERESTS

Data Science, Record Linkage, Data Privacy and Security, Privacy Preserving Data Mining, Privacy Preserving Record Linkage, Association Rule Hiding, Big data

EDUCATION

Ph.D. in Computer Science, Purdue University, USA (Aug, 1999)

M.Sc. in Computer Science, Purdue University, USA (May, 1997)

Diploma Degree in Computer Engineering & Informatics, University of Patras, GREECE (Aug, 1992)

EMPLOYMENT

- Professor, School of Science and Technology, Hellenic Open University, Greece, Jan 2016-present
- Coordinator, Graduate Program on Data Science and Machine Learning, (DAMA), Hellenic Open University, Greece, Mar 2021-present
- Coordinator, Graduate Program on Information Systems, School of Science and Technology, Hellenic Open University, Greece, Jan 2011-present
- Adjunct Faculty, M.Sc. Degree Program in Cognitive Systems, Open University of Cyprus, winter semesters 2018-2021

- Visiting Professor, Computer Science Department, New York University Abu Dhabi, Jan-May 2019
- Consultant, OTE/Cosmote S.A., Greece, 2018
- Director, Educational Content Methodology and Technology Laboratory (e-CoMeT Lab), Hellenic Open University, Greece, May 2014-Nov 2017
- Visiting Instructor, Electrical and Computer Engineering Dept., University of Patras, Greece, Spring Semester 2014
- Adjunct Faculty, M.Sc. Program in Information and Communication Systems-Data Mining Open University of Cyprus, 2011-2014
- Assistant Professor, Electrical and Computer Engineering Dept., University of Thessaly, Volos, Greece, Aug 2005-Dec 2010
- Adjunct Instructor, Electrical and Computer Engineering Dept., University of Thessaly, Volos, Greece, 2004-2005
- Consultant, Singular S.A. Athens, Greece, 2003-2005
- Visiting Instructor, Information Networking Initiative, Athens Information Technology and CMU, 2002-2004
- Visiting Instructor, Undergraduate Program in Computer Sciences, School of Sciences and Technology, Hellenic Open University, Greece, 2002-2003
- Adjunct Instructor, Computer Engineering and Informatics Dept., University of Patras, Greece, 2001-2003
- Consultant, CTI Diophantus, (Computer Technology Institute and Press), Patras, Greece, 2002-2003
- Consultant, Intracom S.A., Athens, Greece, 2001-2002
- Assistant Professor, College of Information Science and Technology, Drexel University, Philadelphia, Pennsylvania, USA, Sep 1999-Au 2002
- Visiting Scientist, Computer Sciences Dept., Purdue University, Indiana, USA, Summer Semester 2000, 2001
- Consultant, ChoiceMaker Technologies, New York, USA, 2000-2001

- Consultant, Naval Research Laboratory, Washington DC, USA, 2001
- Consultant, Telcordia Technologies, New Jersey, USA, 1999-2000
- Software Engineer, First Informatics S.A., Greece, 1992-1994

PROJECTS & FUNDED GRANTS

- Funded Internal Grant for the Supervision and Coordination of the Curriculum Design and Implementation of the MSc Distance Learning Program "Data Science and Machine Learning (DAMA), School of Science and Technology, Hellenic Open University, 50,000 euro, from 01-06-2021 to 31-05-2023.
- Funded Internal Research Grant, School of Science and Technology, Hellenic Open University, 60,000 euro, Sept 2021- Sept 2024
- Writing open access electronic book in Greek, "Database Systems: Basic Principals & Applications", from 15-03-2021 to 15-10-2021, 10,000 euro.

<https://repository.kallipos.gr/handle/11419/2965>Athens: Hellenic Academic Libraries Link.

- Junior Coding Academy, 2016 Google Rise Award
Website: <https://intermediakt.org/project/junior-coding-academy/>
- Scratch Coding – Code, Create and Learn with Scratch, Award by Stavros Niarchos Foundation
Website: <http://scratchcoding.eap.gr/>
- Writing open access electronic book in Greek, "Data Science with the R Language", from 17-01-2015 to 04-04-2015, 10,000 euro.
- Coordinator on the Design and the Development of the printed educational material for the MSc Distance Learning Program in Information Systems (13 books), School of Science & Technology, Hellenic Open University 2013-2015.
- Development of teaching methods and digital scenarios for the lessons taught in Primary and Secondary Greek schools- Institute of Educational Policy, Greece-2015
- Alpine – A Low Power, Intelligent, sensor Network architecture for Environmental management», Synergasia 2011 (2013-2015)

Website: <http://alpineproject.altec.gr>

- IRIS-Innovative learning resources to foster equal participation In grassroots Sports, dealing with discrimination, racism and violence incidents, Erasmus+ Programme: Support for Collaborative Partnerships in the field of Sport (KA3 Erasmus+ Programmes)

Website: <http://iris-sport.eu/en/>

- Google-CS4HS Award-2014-<http://www.cs4hs.com>

Website: s4t.eap.gr

- Australian Research Council's Discovery Projects 2013-Project ID: DP130101801-Privacy-Preserving Record Linkage on Multiple Large Databases
- MODAP – Mobility, Data Mining and Privacy 2009-2012 – <http://www.modap.org>
- GeoPKDD – Geographic Privacy-aware Knowledge Discovery and Delivery 1/12/2005-30/11/2008 - <http://www.geopkdd.eu>
- KWfGRID – Knowledge-based Workflow System for Grid Applications 1/9/2004-28/2/2007 - <http://www.kwfgrid.eu/>
- DBGlobe – A Data-centric Approach to Global Computing 1/1/2002-31/12/2004 - <http://softsys.cs.uoi.gr/dbglobe/index1.html>
- CODMINE – Confidentiality of Data Against Data Mining Methods 1/10/2002-30/9/2003 - <http://www.cti.gr/RD3/DKE/CODMINE>

JOURNAL ARTICLES

- Tsoni, R., Panagiotakopoulos, T.C., & Verykios, V.S. (2021). Revealing latent traits in the social behavior of distance learning students. *Education and Information Technologies*, (online). <https://link.springer.com/article/10.1007%2Fs10639-021-10742-6>
- Verykios, V.S., Stavropoulos, E.C., Zorkadis, V., Katsikatsos, G., & Sakkopoulos, E. (2021). Sensitive Data Hiding in Financial Anti-Fraud Process. *International Journal of Electronic Governance*, (in typesetting process).

- Paxinou, E., Kalles, D., Panagiotakopoulos, C.T., Sgourou, A., & **Verykios, V. S.** (2021). An IRT-Based Approach to Assess the Learning Gain of a Virtual Reality Lab Students' Experience. *Intelligent Decision Technologies Journal*, 15(3), pp.487-496. DOI: 10.3233/IDT-200216
- Paxinou, E., Kalles, D., Panagiotakopoulos, C. T., & **Verykios, V. S.** (2021). Analyzing Sequence Data with Markov Chain Models in Scientific Experiments. *SN COMPUT. SCI.* 5(2). <https://doi.org/10.1007/s42979-021-00768-5>
- **Verykios, V.S.**, Stavropoulos, E.C., Krasadakis, P., & Sakkopoulos, E. (2021). Frequent itemset hiding revisited: pushing hiding constraints into mining. *Appl Intell.* <https://doi.org/10.1007/s10489-021-02490-4>
- Tsoni, R., Sakkopoulos, E., Panagiotakopoulos, C.T., & **Verykios, V.S.** (2021). On the equivalence between bimodal and unimodal students' collaboration networks in distance learning. *Intell. Decis. Technol.* 15(2), pp. 305-319. DOI: 10.3233/IDT-200137
- Karapiperis, D., Gkoulalas-Divanis, A., & **Verykios, V.S.** (2021). Summarizing and linking electronic health records. *Distributed and Parallel Databases*, 39(2), pp. 321-360. DOI: 10.1007/s10619-019-07263-0
- Sakkopoulos, E., Krasadakis, P., Tsoni, R.,* & **Verykios, V.S.** (2021). Dynamic Mobile Student Response System. *Advances in Intelligent Systems and Computing*, pp. 276-288.
- Lazarinis, F., Alexandri, K., Panagiotakopoulos, C.T., & **Verykios, V.S.** (2020). Correction to: Sensitizing young children on internet addiction and online safety risks through storytelling in a mobile application. *Education and Information Technologies*, 25(6) pp. 5913. DOI: 10.1007/s10639-020-10303-3
- Gkontzis, A.F., Kotsiantis, S., Kalles, D., Panagiotakopoulos, C.T., & **Verykios, V.S.** (2020). Polarity, emotions and online activity of students and tutors as features in predicting grades. *Intelligent Decision Technologies*, 14(3), pp. 409-436. DOI: 10.3233/IDT-190137
- Feretzakis, G., Kalles, D., & **Verykios, V.S.** (2020). Local distortion hiding algorithm in medical data: A case study using CART. *Studies in Health Technology and Informatics*, 272, pp. 99-102. DOI: 10.3233/SHTI200503
- Lazarinis, F., Alexandri, K., Panagiotakopoulos, C., & **Verykios, V.S.** (2020). Sensitizing young children on internet addiction and online safety risks through storytelling in a mobile

application. *Education and Information Technologies*, 25(1), pp. 163-174. DOI: 10.1007/s10639-019-09952-w

- Kyritsi, K.H., Zorkadis, V., Stavropoulos, E.C., & **Verykios, V.S.** (2019). The pursuit of patterns in educational data mining as a threat to student privacy. *Journal of Interactive Media in Education*, 2019(1):2, pp.1-10. DOI: 10.5334/jime.502
- Feretzakis, G., Kalles, D., & **Verykios, V.S.** (2019). Using minimum local distortion to hide decision tree rules. *Entropy*, 21(4), pp.1-16. DOI: 10.3390/e21040334
- Lazarinis, F., Karachristos, C.V., Stavropoulos, E.C., & **Verykios, V.S.** (2019). A blended learning course for playfully teaching programming concepts to school teachers. *Education and Information Technologies*, 24(2), pp. 1237-1249. DOI: 10.1007/s10639-018-9823-2
- Kouvara, T. K., Karasoula, S. A., Karachristos, C. V., Stavropoulos, E. C., & **Verykios, V. S.** (2019). Technology and School Unit Improvement: Researching, Reconsidering and Reconstructing the School Context through a Multi-Thematic Digital Storytelling Project. *Social Sciences*, 8(2), 49. MDPI AG. Retrieved from <http://dx.doi.org/10.3390/socsci8020049>
- Gkontzis, A.F., Kotsiantis, S., Panagiotakopoulos, C.T., & **Verykios, V.S.** (2019). A predictive analytics framework as a countermeasure for attrition of students. *Interactive Learning Environments*. DOI: 10.1080/10494820.2019.1709209
- Alachiotis, N.S., Stavropoulos, E.C., & **Verykios, V.S.** (2019). Analyzing learners behavior and resources effectiveness in a distance learning course: A case study of the Hellenic Open University. *Journal of Information Science Theory and Practice*, 7(3), pp. 6-20. DOI: 10.1633/JISTaP.2019.7.3.1
- Feretzakis, G., Kalles, D., & **Verykios, V.S.** (2019). Hiding Decision Tree Rules in Medical Data: A Case Study. *Studies in Health Technology and Informatics*, 4(262), pp. 368-371. doi: 10.3233/SHTI190095. PMID: 31349344.
- Feretzakis, G., Kalles, D., & **Verykios, V.S.** (2019). On using linear diophantine equations for in-parallel hiding of decision tree rules. *Entropy*, 21(1), 66. DOI: 10.3390/e21010066
- Karapiperis, D., Gkoulalas-Divanis, A., & **Verykios, V.S.** (2018). Fast schemes for online record linkage. *Data Mining and Knowledge Discovery*, 32(5), pp. 1229-1250. DOI: 10.1007/s10618-018-0563-0

- Karapiperis, D., Gkoulalas-Divanis, A., & **Verykios, V.S.** (2018). FEDERAL: A Framework for Distance-Aware Privacy-Preserving Record Linkage. *IEEE Transactions on Knowledge and Data Engineering*, 30(2), pp. 292-304. DOI: 10.1109/TKDE.2017.2761759.
- Gakis, P., Panagiotakopoulos, C., Sgarbas, K., Tsalidis, C., & **Verykios, V.S.** (2017). Design and construction of the Greek grammar checker. *Digital Scholarship in the Humanities*, 32(3), pp. 554-576. DOI: 10.1093/llc/fqw025
- Karapiperis, D., & **Verykios, V.S.** (2016). A fast and efficient Hamming LSH-based scheme for accurate linkage. *Knowledge and Information Systems*, 49(3), pp. 861-884. DOI: 10.1007/s10115-016-0919-y
- Stavropoulos, E.C., **Verykios, V.S.**, & Kagklis, V. (2016). A transversal hypergraph approach for the frequent itemset hiding problem. *Knowledge and Information Systems*, 47(3), pp. 625-645. DOI: 10.1007/s10115-015-0862-3
- Kalles, D., **Verykios, V.S.**, Feretzakis, G., & Papagelis, A. (2016). Data set operations to hide decision tree rules. *Frontiers in Artificial Intelligence and Applications*, 285, pp. 1575-1576. DOI: 10.3233/978-1-61499-672-9-1575
- Karapiperis, D., & **Verykios, V.S.** (2015). An LSH-Based Blocking Approach with a Homomorphic Matching Technique for Privacy-Preserving Record Linkage. *IEEE Transactions on Knowledge and Data Engineering*, 27(4), pp. 909-921. DOI: 10.1109/TKDE.2014.2349916
- Lazarinis, F., **Verykios, V.S.**, & Panagiotakopoulos, C. (2015). A tool for developing instructional digital comic strips with associated learning objectives. *Smart Innovation, Systems and Technologies*, 41, pp. 437-447. DOI: 10.1007/978-3-319-19875-0_39
- Karapiperis, D., & Verykios, V.S. (2015). Load-balancing the Distance Computations in Record Linkage. *ACM SIGKDD Explorations Newsletter*, 17(1), pp. 1-7.
- Karapiperis, D., & **Verykios, V.S.** (2014). Distributed near-optimal LSH-based framework for privacy-preserving record linkage. *Computer Science and Information Systems*, 11(2), pp. 745-763. DOI: 10.2298/CSIS140215040K
- Christen, P., Vatsalan, D., & **Verykios, V.S.** (2014). Challenges for privacy preservation in data integration. *Journal of Data and Information Quality*, 5(1-2), pp. 1-3. DOI: 10.1145/2629604

- **Verykios, V.S.**, & Christen, P. (2013). Privacy-preserving record linkage. *Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery*, 3(5), pp. 321-332. DOI: 10.1002/widm.1101
- **Verykios, V.S.** (2013). Association rule hiding methods. *Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery*, 3(1), pp. 28-36. DOI: 10.1002/widm.1082
- Vatsalan, D., Christen, P., & **Verykios, V.S.** (2013). A taxonomy of privacy-preserving record linkage techniques. *Information Systems*, 38(6), pp. 946-969. DOI: 10.1016/j.is.2012.11.005
- Karakasidis, A., & **Verykios, V.S.** (2013). A simulator for privacy preserving record linkage. *Communications in Computer and Information Science*, 384, pp. 164-173. DOI: 10.1007/978-3-642-41016-1_18
- Gkoulalas-Divanis, A., Saygin, Y., & **Verykios, V.S.** (2011). Foreword for the special issue of selected papers from the 1st ECML/PKDD workshop on privacy and security issues in data mining and machine learning. *Transactions on Data Privacy*, 4(3), pp. 127-128.
- Gkoulalas-Divanis, A., & **Verykios, V.S.** (2011). Concealing the position of individuals in location-based services. *Operational Research*, 11(2), pp. 201-214. DOI: 10.1007/s12351-009-0050-x
- Gkoulalas-Divanis, A., & **Verykios, V.S.** (2010). Hestia: Historically-enabled spatio-temporal information anonymity. *Data Mining and Management*, pp. 253-281.
- Gkoulalas-Divanis, A., & **Verykios, V.S.** (2010). Privacy issues in spatio-temporal data mining. *Privacy-Aware Knowledge Discovery: Novel Applications and New Techniques*, pp. 163-182. DOI: 10.1201/b10373
- Gkoulalas-Divanis, A., Kalnis, P., & **Verykios, V.S.** (2010). Providing K-Anonymity in Location Based Services. *ACM SIGKDD Explorations Newsletter*, 12(1), pp. 3-20.
- Gkoulalas-Divanis, A., & **Verykios, V.S.** (2009). An Overview of Privacy Preserving Data Mining. *ACM Crossroads*, 15(4), pp. 23-26. <https://doi.org/10.1145/1558897.1558903>
- Moustakides, G.V., & **Verykios, V.S.** (2009). Optimal stopping: A record-linkage approach. *Journal of Data and Information Quality*, 1(2), pp. 1-34. DOI: 10.1145/1577840.1577844
- Gkoulalas-Divanis, A., & **Verykios, V.S.** (2009). Exact knowledge hiding through database extension. *IEEE Transactions on Knowledge and Data Engineering*, 21(5), pp. 699-713.

- **Verykios, V.S.**, Karakasidis, A., & Mitrogiannis, V.K. (2009). Privacy preserving record linkage approaches. *International Journal of Data Mining, Modelling and Management*, 1(2), pp. 206-221. DOI: 10.1504/IJDM.2009.026076
- Gkoulalas-Divanis, A., **Verykios, V.S.**, & Bozaris, P. (2009). A network aware privacy model for online requests in trajectory data. *Data and Knowledge Engineering*, 68(4), pp. 431-452. DOI: 10.1016/j.datak.2008.11.003
- Gkoulalas-Divanis, A., **Verykios, V.S.** (2009). Exact knowledge hiding in transactional databases. *International Journal on Artificial Intelligence Tools*, 18(1), pp. 17-37. DOI: 10.1142/S0218213009000020
- Gkoulalas-Divanis, A., **Verykios, V.S.** (2009). Hiding sensitive knowledge without side effects. *Knowledge and Information Systems*, 20(3), pp. 263-299. DOI: 10.1007/s10115-008-0178-7
- Moustakides, G.V., & **Verykios, V.S.** (2008). A MaxMin approach for hiding frequent itemsets. *Data and Knowledge Engineering*, 65(1), pp. 75-89. DOI: 10.1016/j.datak.2007.06.012
- **Verykios, V.S.**, Pontikakis, E.D., Theodoridis, Y., & Chang, L. (2007). Efficient algorithms for distortion and blocking techniques in association rule hiding. *Distributed and Parallel Databases*, 22(1), pp. 85-104. DOI: 10.1007/s10619-007-7013-0
- Elmagarmid, A.K., Ipeirotis P.G., & **Verykios, V.S.** (2007). Duplicate Record Detection: A Survey. *IEEE Transactions on Knowledge and Data Engineering*, 19(1), pp. 1-16. doi: 10.1109/TKDE.2007.250581.
- **Verykios, V.S.**, Elmagarmid, A.K., Bertino, E., Saygin, Y., & Dasseni, E. (2004). Association Rule Hiding. *IEEE Transactions on Knowledge and Data Engineering*, 16(4), pp. 434-447. DOI: 10.1109/TKDE.2004.1269668
- **Verykios, V.S.**, Bertino, E., Fovino, I.N., Provenza, L.P., Saygin, Y., & Theodoridis, Y. (2004). State-of-the-art in privacy preserving data mining. *SIGMOD Record*, 33(1), pp. 50-57. DOI: 10.1145/974121.974131
- Pontikakis, E.D., Tsitsonis, A.A., & **Verykios, V.S.** (2004). An experimental study of distortion-based techniques for association rule hiding. *IFIP Advances in Information and Communication Technology*, 144, pp. 325-339. DOI: 10.1007/1-4020-8128-6_22

- **Verykios, V.S.**, Moustakides, G.V., Elfeky, M.G. (2003). A Bayesian decision model for cost optimal record matching. *VLDB Journal*, 12(1), pp. 28-40. DOI: 10.1007/s00778-002-0072-y
- Missier, P., Lalk, G., **Verykios, V.S.**, Grillo, F., Lorusso, T., Angeletti, P. (2003). Improving data quality in practice: A case study in the Italian public administration. *Distributed and Parallel Databases*, 13(2), pp. 135-160. DOI: 10.1023/A:1021548024224
- Houstis, E.N., Catlin, A.C., Dhanjani, N., Rice, J.R., Ramakrishnan, N., & **Verykios, V.S.** (2002). MyPYTHIA: A recommendation portal for scientific software and services. *Concurrency Computation Practice and Experience*, 14(13-15), pp. 1481-1505. DOI: 10.1002/cpe.684
- Saygin, Y., **Verykios, V.S.**, & Clifton, C. Using unknowns to prevent discovery of association rules. *SIGMOD Record*, 30(4), pp. 45-54. DOI: 10.1145/604264.604271
- **Verykios, V.S.**, Houstis, E.N., Tsoukala, L.H., & Pantazopoulos, K.N. (2001). Automating the analysis of option pricing algorithms through intelligent knowledge acquisition approaches. *IEEE Transactions on Systems, Man, and Cybernetics Part A: Systems and Humans*, 31(6), pp. 573-586. DOI: 10.1109/3468.983414
- Houstis, E.N., Catlin, A.C., Rice, J.R., **Verykios, V.S.**, Ramakrishnan, N., & Houstis, C.E. (2000). PYTHIA-II: A Knowledge/Database System for Managing Performance Data and Recommending Scientific Software. *ACM Transactions on Mathematical Software*, 26(2), pp. 227-253. DOI: 10.1145/353474.353475
- **Verykios, V.S.**, Elmagarmid, A.K., & Houstis, E.N. (2000). Automating the approximate record-matching process. *Information Sciences*, 126(1), pp. 83-98. DOI: 10.1016/S0020-0255(00)00013-X

REFERED CONFERENCE PROCEEDINGS AND PRESENTATIONS

- Alachiotis, N., Kotsiantis, S., Stavropoulos, E. & **Verykios, V. S.** (2022). Evaluating Contact Sessions and Assignments Grades Impact with Association Rules. *International Conference in Open and Distance Learning*, 11, 34-46.
- Karapiperis, D., Gkoulalas-Divanis, A. & **Verykios, V. S.** (2021). MultiBlock: A Scalable Iterative Approach for Progressive Entity Resolution. In the Proceedings of the 2021 IEEE

International Conference on Big Data (Big Data), pp. 219-228, doi: 10.1109/BigData52589.2021.9671540.

- Feretzakis, G., Mitropoulos, K., Kalles, D., & **Verykios, V. S.** (2021). Inference Control in a Diabetes Data Set using a Java-based Prototype of LDH Algorithm. In J. Mantas, A. Hasman, M. S. Househ, P. Gallos, E. Zoulias, & J. Liaskos (eds.), *Informatics and Technology in Clinical Care and Public Health, Proceedings of the 19th International Conference on Informatics, Management and Technology in Healthcare (ICIMTH 2021)*, pp. 414-417. IOS Press. doi:10.3233/SHTI210946
- **Verykios, V. S.** & Karapiperis, D. (2021). Entity Resolution in Dissimilarity Spaces. In the Proceedings of the 25th Pan-Hellenic Conference on Informatics, pp. 413-418. <https://doi.org/10.1145/3503823.3503899>
- Tsoni, R., Zorkadis, V. & **Verykios, V. S.** (2021). A Data Pipeline to Preserve Privacy in Educational Settings. In the Proceedings of the 25th Pan-Hellenic Conference on Informatics, pp. 138-142. <https://doi.org/10.1145/3503823.3503850>
- Krasadakis, P., Sakkopoulos, E. & **Verykios, V. S.** (2021). A Natural Language Processing Survey on Legislative and Greek Documents. In the Proceedings of the 25th Pan-Hellenic Conference on Informatics, pp. 407-412. <https://doi.org/10.1145/3503823.3503898>
- Karasadakis, P., **Verykios V.S.**, & Sakkopoulos, E. (2021). Resolving Infeasibility in Linear Programs for the Frequent Itemset Hiding Problem. In the Proceedings of the 33rd IEEE International Conference on Tools with Artificial Intelligence, pp. 1067-1074, DOI 10.1109/ICTAI52525.2021.00169
- Karapiperis, D., Gkoulalas-Divanis, A., & **Verykios, V.S.** (2020). Efficient Record Linkage in Data Streams. *In the Proceedings of the IEEE International Conference on Big Data*, pp. 523-532. DOI: 10.1109/BigData50022.2020.9378127
- Krasadakis, P., **Verykios, V.S.**, & Sakkopoulos, E. (2020). Parallel based Hiding of Sensitive Knowledge. *In the Proceedings of the International Conference on Tools with Artificial Intelligence*, pp. 1249-1254. DOI: 10.1109/ICTAI50040.2020.00188
- Karapiperis, D., Gkoulalas-Divanis, A., & **Verykios, V.S.** (2020). Large-Scale Distributed Linkage of Records Containing Spatio-Temporal Information. *In the Proceedings of the IEEE International Smart Cities Conference*. DOI: 10.1109/ISC251055.2020.9239003

- Feretzakis, G., Mitropoulos, K., Kalles, D., & **Verykios, V.S.** (2020). Local distortion hiding (LDH) algorithm: A java-based prototype. *In the Proceedings of the ACM International Conference Proceeding Series*, pp. 144-149. DOI: 10.1145/3411408.3411419
- **Verykios, V.S.**, Stavropoulos, E.C., Zorkadis, V., & Elmagarmid, A.K. (2019). A Constraint-Based Model for the Frequent Itemset Hiding Problem. In S. Katsikas. & V. Zorkadis (Eds.), *E-Democracy-Safeguarding Democracy and Human Rights in the Digital Age*, Proceedings of the 8th International Conference, pp. 49-64. Springer Nature Switzerland. https://doi.org/10.1007/978-3-030-37545-4_4
- Karapiperis, D., Gkoulalas-Divanis, A., & **Verykios, V.S.** (2019). Linkage of spatio-temporal data and trajectories. *In the Proceedings of the 5th IEEE International Smart Cities Conference*, pp. 766-771. DOI: 10.1109/ISC246665.2019.9071724
- Feretzakis, G., Kalles, D., & **Verykios, V.S.** (2019). Local Distortion Hiding in Financial Technology application: A case study with a benchmark data set. *In the Proceedings of the 10th International Conference on Information, Intelligence, Systems and Applications*. DOI: 10.1109/IISA.2019.8900733
- Gkontzis, A.F., Panagiotakopoulos, C.T., Kotsiantis, S., & **Verykios, V.S.** (2019). Measuring engagement to assess performance of students in distance learning. *In the Proceeding of the 9th International Conference on Information, Intelligence, Systems and Applications*. DOI: 10.1109/IISA.2018.8633607
- Tsoni, R., Samaras, C., Paxinou, E., Panagiotakopoulos, C., & **Verykios, V.S.** (2019). From analytics to cognition: Expanding the reach of data in learning. *In the Proceedings of the 11th International Conference on Computer Supported Education, 2*, pp. 458-465. DOI: 10.5220/0007751904580465
- Gkontzis, A.F., Kotsiantis, S., Tsoni, R., & **Verykios, V.S.** (2018). An effective LA approach to predict student achievement. *In the Proceedings of the 22nd Pan-Hellenic Conference on Informatics*, pp. 76-81. DOI: 10.1145/3291533.3291551
- Karapiperis, D., Gkoulalas-Divanis, A., & **Verykios, V.S.** (2018). FEMRL: A Framework for Large-Scale Privacy-Preserving Linkage of Patients' Electronic Health Records. *In the Proceedings of the IEEE International Smart Cities Conference*, pp. 1-8. doi: 10.1109/ISC2.2018.8656943

- Feretzakis, G., Kalles, D., & **Verykios, V.S.** (2018). On using linear diophantine equations for efficient hiding of decision tree rules. *In the Proceedings of the 10th Hellenic Conference on Artificial Intelligence*, pp. 1-8. DOI: 10.1145/3200947.3201030
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- Verykios, V.S., Kotsiantis, S., Stavropoulos, H., & Tsagarakis, M. (2019). *Data Science: Principals, Theory and Applications with the R Language*. Athens: NewTech-Pub. [in Greek].
- Disser, Y. (2018). *Algorithmic Aspects of Cloud Computing* (Eds. **V.S. Verykios**). Springer.
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- **Verykios, V.S.** (2014). *Lessons in Data Bases*. TZIOLA Publications. [in Greek].
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- Tan, P.N., Steinbach, M., & Kumar, V. (2009). *Introduction to Data Mining-1st Edition* (Eds. **V.S. Verykios**). Thessaloniki: TZIOLA Publications. [in Greek].
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BOOK CHAPTERS

- Krasadakis, P., Sakkopoulos, E., & **Verykios, V. S.** (2021). A Database Reconstruction Approach for the Inverse Frequent Itemset Mining Problem. In M., Virvou, G. A., Tsihrintzis,

L. H., Tsoukalas & L. C., Jain (Eds.), *Advances in Artificial Intelligence-based Technologies*, pp. 45-58. Springer International Publishing.

- Tsoni R., Sakkopoulos E., & **Verykios S. V.** (2021). Revealing Latent Student Traits in Distance Learning through SNA and PCA. Handbook on Intelligence Techniques in the Educational Process. Springer (to appear).
- Feretzakis, G., Kalles, D., & **Verykios, V.S.** (2021). Knowledge Hiding in Decision Trees for Learning Analytics Applications. In G., Tsihrintzis. & M., Virvou. (Eds.), *Advances and Core Computer Science-Based Technologies*, pp. 37-54. Springer International Publishing. DOI: 10.1007/978-3-030-41196-1
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- Bonchi, F., Saygin, Y., **Verykios, V. S.**, Atzori, M., Gkoulalas-Divanis, A., Kaya, S.V., & Savaś, E. (2008). Privacy in Spatiotemporal Data Mining. In: Giannotti F., Pedreschi D. (Eds.), *Mobility, Data Mining and Privacy*. Springer, Berlin, Heidelberg. https://doi.org/10.1007/978-3-540-75177-9_12
- Pedreschi, D., Bonchi, F., Turini, F., **Verykios, V. S.**, Atzori, M., Malin, B., Moelans, B., & Saygin, Y. (2008). In: Giannotti F., Pedreschi D. (Eds.), *Mobility, Data Mining and Privacy*. Springer, Berlin, Heidelberg. https://doi.org/10.1007/978-3-540-75177-9_5
- **Verykios V. S.**, Damiani M.L., Gkoulalas-Divanis A. (2008). Privacy and Security in Spatiotemporal Data and Trajectories. In: Giannotti F., Pedreschi D. (Eds.), *Mobility, Data Mining and Privacy*. Springer, Berlin, Heidelberg. https://doi.org/10.1007/978-3-540-75177-9_9

INVITED PRESENTATIONS and TUTORIALS (Most Recent)

- Participation in the annual iBMS-JO Erasmus Project, Medical School, University of Patras, 2021.

- Recent Advances in Privacy Preserving Record Linkage, Invited Speaker, Lecture Series, Data Analytics Group, Qatar Computing Research Institute, Doha, QATAR, December 7th, 2017.
- Assessing Students and Tutors with Learning Analytics Dashboards, Invited Speaker, Webinar Series, Empower Higher Education, EADTU, September 26th, 2017.
- Evaluation of Scalable PPRL Schemes with a Native LSH Database Engine, Keynote Speaker, 7th International Conference on Computer Science, Engineering and Information Technology (CCSEIT 2017), Vienna, AUSTRIA, May 27th -28th, 2017.
- Computational Techniques for the Protection of Privacy in Educational Data, Invited Speaker, Symposium on Personal Data: Protection and Challenges, Patras, GREECE, May 18th 2017.
- Space Embedding of Records for Privacy Preserving Linkage, Invited Speaker, Data Linkage: Techniques, Challenges and Applications Workshop, Isaac Newton Institute for Mathematical Sciences, Cambridge, UK, September 12th-16th 2016.
- Blocking Methods for Privacy Preserving Record Linkage, Invited Speaker, Tutorial on the 1st International Workshop on Algorithmic Aspects of Cloud Computing (ALGO CLOUD 2015), Patras, GREECE, September 14th-15th 2015.
- Knowledge Sanitization on the Web, Invited Speaker, Tutorial on the 4th International Conference on Web Intelligence, Mining and Semantics (WIMS 2014), Thessaloniki, GREECE, June 2nd-4th 2014.
- Techniques for Scalable Privacy-Preserving Record Linkage, Invited Speaker, Tutorial on the 23rd ACM International Conference on Information and Knowledge Management (CIKM 2013), San Francisco, CA, USA, October 27th-November 1st 2013.
- Knowledge Hiding in Data Mining, Keynote Speaker, 2nd Mining Humanistic Data Workshop (MHDW 2013), Halkidiki, GREECE, September 13th-16th 2013.
- Data Mining and Privacy, Invited Speaker, 3rd Hellenic Artificial Intelligence Summer School (HAISS 2013), Corfu, GREECE, August 26th-30th 2013.
- Privacy Preserving Record Linkage, Invited Speaker, 24th IEEE International Conference on Tools with Artificial Intelligence, Athens, GREECE, November 7th-9th 2012.

- Privacy Preserving Record Linkage, Invited Speaker, Tutorial on the 16th Pacific-Asia Conference on Knowledge Discovery and Data Mining, Kuala Lumpur, MALAYSIA, May 29th-June 1st 2012.

PROGRAM COMMITTEE MEMBER AND REVIEWER

- PC Member SIGMOD 2023.
- General CoChair, 25th Pan-Hellenic Conference on Informatics (PCI 2021), 26th-28th November, 2021.
- PC Member, 27th International European Conference on Parallel and Distributed Computing, 30th August –September 3rd ,2021, (online event).
- PC Member, 24th Pan-Hellenic Conference on Informatics (PCI2020), Athens, GREECE November 20th-22th 2020.
- PC Member, Data Integration and Applications Workshop (DINA2020), Ghent, BELGIUM, September 2020.
- PC Member, 8th Democracy International Conference: Safeguarding Democracy and Human Rights in the Digital Age, (eDemocracy2019), Athens, GREECE, 12th-13th December, 2019.
- PC Member, Data Integration and Applications Workshop (DINA2019), Würzburg, GERMANY, September 20th, 2019.
- PC Member, 23th Pan-Hellenic Conference on Informatics (PCI2019), Nicosia, CYPRUS, 28th-30th November, 2019.
- PC Member, 27th International European Conference on Parallel and Distributed Computing, 30th August –September 3rd ,2021, (online event)
- PC Member, 22nd Pan-Hellenic Conference on Informatics (PCI), Athens, GREECE, September 29th/11-1st /12 2018
- PC Member, Privacy in Statistical Databases (PSD), Valencia, SPAIN, September 26th-28th 2018
- Co-Chair, 4th International Symposium on Algorithmic Aspects of Cloud Computing (ALGO CLOUD), Helsinki, FINLAND, August 20th-24th 2018

- PC Member, 7th International Conference on Data Science, Technology and Applications (DATA), Porto, PORTUGAL, July 26th-28th 2018
- PC Member, The International Symposium on Modelling and Optimization (MODOPT) Barcelona, SPAIN, July 22nd-26th 2018
- PC Member, 10th Hellenic Conference on Artificial Intelligence (SETN), Patras, GREECE, July 9-15 2018
- PC Member, 2018 ACM SIGMOD/PODS International Conference on Management of Data, Houston TX, USA, June 10th-15th 2018
- PC Member, The European Conference on Machine Learning & Principles and Practice of Knowledge Discovery in Databases (ECML/PKDD), Skopje, FYROM, 18th-22th 2017
- PC Member, 21st Pan-Hellenic Conference on Informatics (PCI), Larisa, GREECE, September 28th-30th 2017
- PC Member, 3rd International Conference on Machine Learning, Optimization and Big Data (MOD), Volterra, Tuscany, ITALY, September 14th-17th 2017
- CEIS 2016. International Conference on Computer Engineering and Information System, Nov. 12-13, 2016, Shanghai, CHINA.
- PCI 2016. Program Committee Co-Chair in 20th Pan-Hellenic Conference on Informatics with International Participation, Nov. 10–12, 2016, Patra, GREECE.
- BESC 2016. 3rd International Conference on Behavioral, Economic, and Socio-Cultural Computing, Nov. 11-13, 2016, Duke University, Durham, NC, USA.
- ECMLPKDD 2016. European Conference on Machine Learning and Principles and Practice of Knowledge Discovery, Sept. 19-23, 2016, Riva del Garda, ITALY.
- MOD 2016. 2nd International Workshop on Machine learning, Optimization and big Data, Aug. 26-29, 2016, Volterra - Tuscany, ITALY.
- AIAI 2016. 12th IFIP International Conference on Artificial Intelligence Applications and Innovations, Sept. 16-18, 2016, Thessaloniki, GREECE.
- PSD 2016. Privacy in Statistical Databases, Sept. 14-16, 2016, Dubrovnik, CROATIA.
- DINA 2015. 2nd Workshop on Data Integration and Applications, Nov. 13, 2015, Atlantic City, USA.

- ACM-SIGKDD PopInfo 2015. 1st International Workshop on Population Informatics for Big Data-Co-located with the 21st ACM SIGKDD Conference on Knowledge Discovery and Data Mining, Aug. 10, 2015, Sydney, AUSTRALIA.
- ICTAI 2015. 17th International Conference on Terminology and Artificial Intelligence, Dec. 17-18, 2015, Bangkok, THAILAND.
- BESC 2015. International Conference on Behavioral, Economic and Socio-Cultural Computing, 30 Oct.-Nov.1, 2015, Nanjing, CHINA.
- SoWeMine 2015 in Conjunction with ICWE 2015, June 23-26, 2015, Rotterdam, HOLLAND.
- ICNC/FSKD 2015. 11th International Conference on Natural Computation/12th International Conference on Fuzzy Systems and Knowledge Discovery, Aug. 15-17, 2015, Zhangjiajie, CHINA.
- AIAI 2015. 11th International Conference on Artificial Intelligence Applications and Innovations, Sept.14-17, 2015, Bayonne/Biarritz, FRANCE.
- ECML PKDD 2015. European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases, Sept. 7-11, 2015, Porto, PORTUGAL.
- PCI 2015. The 19th PanHellenic Conference on Informatics, Oct. 1-3, 2015, Athens, GREECE.
- ICDM 2015. IEEE International Conference on Data Mining, Nov. 14-17, 2015, Atlantic City, NJ, USA.
- MOD 2015. Workshop on Machine learning, Optimization and big Data, July 21-24, 2015, Taormina, Sicily, ITALY.
- ECDM 2015. 9th European Conference on Data Mining, July 22-24, 2015, Las Palmas de Gran Canaria, SPAIN.
- AIAI 2015. 11th International Conference on Artificial Intelligence Applications and Innovations, Sept. 14-17, 2015, Bayonne/Biarritz, FRANCE.
- DINA 2014. 1st Workshop on Data Integration and Applications, Dec. 14, 2014, Shenzhen, CHINA.
- BESC'2014. International Conference on Behavioral, Economic, and Socio-Cultural Computing, Oct. 30 - Nov. 1, 2014, Shanghai, CHINA.

- ECML/PKDD 2014. The European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases, Sept. 15-19, 2014, Nancy, FRANCE.
- TSRB 2014. 1st Workshop on Tools for Setting Up and Running a Business in Cloud Computing, May 22, 2014, Larnaca, CYPRUS.
- ICDM 2014. IEEE International Conference on Data Mining, Dec. 14-17, 2014, Shenzhen, CHINA.
- ICTAI 2014. 26th IEEE International Conference on Tools with Artificial Intelligence, Nov. 10-12, 2014, Limassol, CYPRUS.
- AIAI 2014. 10th IFIP AIAI (Artificial Intelligence Applications and Innovations), Sept. 19-22, 2014, Rhodes Island, GREECE.
- PSD 2014. Privacy in Statistical Databases Conference, Sept. 17-19, 2014, BALEARIC ISLANDS.
- EANN 2014. 15th Engineering Applications of Neural Networks, Sept. 5-7, 2014, Sofia, BULGARIA.
- ECDM 2014. 8th European Conference on Data Mining 2014, July 15-17, 2014, Lisbon, PORTUGAL.
- BIS 2014. 17th International Conference on Business Information Systems, May 21-23, 2014, Larnaca, CYPRUS.
- 1st Workshop on Tools for Setting up and Running a Business in Cloud Computing (TSRB). May 22, 2014, Larnaca, CYPRUS.
- ICDM 2013. IEEE International Conference on Data Mining, Dec.7-10, 2013, Dallas, Texas, U.S.A.
- AIAI 2013. 9th International Conference on Artificial Intelligence Applications and Innovations, Sep. 30-Octob. 2, 2013, Paphos, CYPRUS.
- MHDW 2013. 2nd Mining Humanistic Data Workshop, Sep. 13-16, 2013, Halkidiki, GREECE.
- ICANN 2013. International Conference on Artificial Neural Networks, Aug. 8-9, 2013, Amsterdam, THE NETHERLANDS.
- ECDM 2013. IADIS European Conference on Data Mining, July 22-24, 2013, Prague, CZECH REPUBLIC.

- ICTAI 2012. 24th International Conference on Tools with Artificial Intelligence, Nov. 7-9, 2012, Athens, GREECE.
- PCI 2012. 16th PanHellenic Conference on Informatics, Octob. 5-7, 2012, Piraeus, GREECE.
- EANN 2012. 13th International Conference on Engineering Applications of Neural Networks, Sep. 20-23, 2012, London, U.K.
- ICDM 2011. The IEEE International Conference on Data Mining, Dec. 11-14, 2011, Vancouver, CANADA.
- ECML/PKDD 2011. The European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases, Sep. 5-9, 2011, Athens, GREECE
- AIAI 2011. The 7th Artificial Intelligence Applications and Innovations Conference, Sept. 15-18, 2011, Corfu, GREECE.
- EANN 2011. The 12th Engineering Applications of Neural Networks Conference, Sept. 15-18, 2011, Corfu, GREECE.
- KDD 2011. The 17th ACM SIGKDD Conference on Knowledge Discovery and Data Mining, Aug. 21-24, 2011, San Diego, CA, USA.
- ECDM 2011. The European Conference on Data Mining, Jul. 20-26, 2011, Rome, ITALY.
- ICDM 2010. The 10th IEEE International Conference on Data Mining, Dec. 13-17, 2010, Sydney, AUSTRALIA.
- PADM 2010, IEEE International Workshop on Privacy Aspects of Data Mining (in conjunction with IEEE ICDM 2010), Dec. 14, 2010, Sydney, AUSTRALIA (Program Co-chair, Program Committee PC Member)
- AIAI 2010. The 6th IFIP Conference on Artificial Intelligence Applications & Innovations, Oct. 5-7, 2010, Ayia Napa, CYPRUS.
- PSDML 2010, The ECML/PKDD Workshop on Privacy and Security Issues in Data Mining and Machine Learning (in conjunction with ECML/PKDD 2010) , Sept. 24, 2010, Barcelona, SPAIN (Program Co-chair, Program Committee PC Member).
- PSD 2010. The 4th Privacy in Statistical Databases Conference, Sept. 22-24, 2010, Corfu, GREECE.

- IWEA 2010. The 4th IEEE International Workshop on e-Activity, Aug. 18-20, 2010, Yamagata, JAPAN.
- FSKD 2010. The 7th International Conference on Fuzzy Systems and Knowledge Discovery, Aug. 10-12, 2010, Yantai, CHINA.
- ICIS 2010. The 3rd International Conference on Information Sciences and Interaction Sciences, Jun. 23-25, 2010, Chengdu, CHINA.
- SAC 2010. The 25th ACM Symposium on Applied Computing. Mar. 22-26, 2010, SWITZERLAND.
- PADM 2009. International Workshop on Privacy Aspects of Data Mining. Dec. 6, 2009, Miami, FL, USA.
- HDMS 2009. The 8th Hellenic Data Management Symposium. Aug. 31-Sep. 1, 2009, Athens, GREECE.
- ICDM 2009. 2009 IEEE International Conference on Data Mining. December 6-9, 2009. Miami, FL, USA.
- ICIQ 2009. 14th International Conference on Information Quality. November 7-8, 2009. MIT, Cambridge, MA, USA.
- CIKM 2009. 18th ACM Conference on Information and Knowledge Management. November 2-6, 2009. Hong Kong, CHINA.
- NCM 2009. 5th International Conference on Networked Computing and Advanced Information Management. August 25-27, 2009. Seoul, KOREA.
- QDB 2009. 7th International Workshop on Quality in Databases. August 24, 2009, Lyon, FRANCE. In conjunction with the 35th International Conference on Very Large Data Bases (VLDB 2009).
- ECDM 2009. European Conference on Data Mining. June 18-20, 2009. Algarve, PORTUGAL.
- IWEA 2009. 3rd IEEE International Workshop on e-Activity. May 27-28 2009, Catholic University of Daegu, Daegu, KOREA.
- AIAI 2009. 5th IFIP Conference on Artificial Intelligence Applications and Innovations. April 23-25, 2009, Thessaloniki, GREECE

- ICDM 2008. 2008 IEEE International Conference on Data Mining. December 15-19, 2008, Pisa, ITALY.
- ECBS 2008. IEEE/WIC/ACM IAT International Workshop on Electronic Commerce, Business, and Services. December 9, 2008, Sydney, AUSTRALIA. In conjunction with IEEE/WIC/ACM International Conference on Intelligent Agent Technology 2008 (IAT 2008).
- ICCIT 2008. The 3rd International Conference on Convergence and hybrid Information Technology. November 11-13, 2008, Busan, Republic of KOREA.
- CIKM 2008. 17th ACM Conference on Information and Knowledge Management. October 26-30, Napa Valley, California, USA.
- QDB/MUD 2008. The 6th International Workshop on Quality in Databases and Management of Uncertain Data. August 25, 2008, Auckland, NEW ZEALAND. In conjunction with the 34th International Conference on Very Large Data Bases (VLDB 2008).
- PinKDD 2008. The 2nd ACM SIGMOD International Workshop on Privacy, Security and Trust in KDD. Las Vegas, Nevada, USA, August 24, 2008. In conjunction with the 14th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD 2008).
- 1st Interdisciplinary Workshop on Mobility, Data Mining and Privacy. February 14, 2008, Rome, ITALY.
- IEEE/ACIS IWEA 2008. The 2nd IEEE/ACIS International Workshop on E-Activity. Portland, Oregon, USA, May 14th, 2008. In conjunction with the 7th IEEE/ACIS International Conference on Computer and Information Science (ICIS 2008)
- DAWAM 2008. The 3rd International Workshop on Dependability Aspects on Data Warehousing and Mining applications. Polytechnic University of Catalonia, Barcelona, SPAIN, March 4th-7th, 2008. In conjunction with the Third International Conference on Availability, Reliability and Security (ARES 2008).
- PALM 2008. The 2nd International Workshop on Privacy-Aware Location-based Mobile Services (PALMS). Beijing, CHINA, April 27 - 30, 2008. In conjunction with the 9th International Conference on Mobile Data Management (MDM 2008).
- PADM 2007. The 6th International Workshop on Privacy Aspects of Data Mining. October 28, 2007, Omaha, NE, USA. In conjunction with the IEEE International Conference on Data Mining (ICDM 2007).

- ICDM 2007. IEEE International Conference on Data Mining. October 28-32, 2007, Omaha, NE, USA,
- PinKDD 2007. The 1st ACM SIGMOD International Workshop on Privacy, Security and Trust in KDD. San Jose, California, USA, August 12-25, 2007. In conjunction with the 13th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD 2007).
- IEEE-IWEA 2007. The 1st IEEE International Workshop on e-Activity. Melbourne, AUSTRALIA, July 11, 2007. In conjunction with the 6th IEEE International Conference on Computer and Information Science (ICIS2007).
- HDMS 2007. The 6th Hellenic Data Management Symposium. Athens, GREECE, July 5-6, 2007.
- DAWAM 2007. The 2nd International Workshop on Dependability Aspects on Data Warehousing and Mining applications. April, 10-13 2007, Vienna, AUSTRIA. In conjunction with The Second International Conference on Availability, Reliability and Security (ARES 2007).
- PADM 2006. International Workshop on Privacy Aspects in Data Mining. December 18, 2006, HONG KONG. In conjunction with IEEE International Conference on Data Mining (ICDM' 06).
- CleanDB 2006. The 1st International VLDB Workshop on Clean Databases (2006). September 11, 2006, Seoul, KOREA. In conjunction with 32nd International Conference on Very Large Data Bases (VLDB 2006).
- IQIS 2006. The 3rd International Workshop on Information Quality in Information Systems. June 30, 2006, Chicago, USA. In conjunction with 25rd ACM SIGMOD International Conference on Management of Data SIGMOD/PODS 2006.
- DEEC 2006. The 2nd International Workshop on Data Engineering Issues in E-Commerce and Services. June 26, 2006, San Francisco, California, USA. In conjunction with IEEE Joint Conference on E-Commerce Technology (CEC'06) and Enterprise Computing, E-Commerce and E-Services (EEE'06).
- DAWAM 2006. International Workshop on Dependability Aspects on Data Warehousing and Mining application. April 20-22, 2006, Vienna, AUSTRIA. In conjunction with the First International Conference on Availability, Reliability and Security (ARES 2006).

- PSDM 2005. Workshop on Privacy and Security Aspects of Data Mining. November 27, 2005, Houston, Texas, USA. In Conjunction with the Fifth IEEE International Conference on Data Mining (ICDM 2005).
- PSDM 2004, Workshop on Privacy and Security Aspects of Data Mining. November 1, 2004, Brighton, UK. In conjunction with the Fourth IEEE International Conference on Data Mining (ICDM 2004).
- DEEC 2005. The 1st International Workshop on Data Engineering Issues in E-Commerce. April 8, 2005, Tokyo, JAPAN.
- International Workshop on Privacy and Security Issues in Data Mining. September 20, 2004, Pisa, ITALY.
- DaWak 2003, 5th International Conference on Data Warehousing and Knowledge Discovery. September 1-5 , 2003, Praha, CZECH REPUBLIC.
- DQCIS 2003, International Workshop on Data Quality in Cooperative Information Systems. January 10-11, 2003, Siena, ITALY.
- CIKM 2002, ACM International Conference on Information and Knowledge Management. November 4 - 9, 2002, McLean, VA, USA.
- DOLAP 2002, ACM, 5th International Workshop on Data Warehousing and OLAP, McLean, VA, USA, November 8, 2002.
- DaWak 2002, 4th International Conference on Data Warehousing and Knowledge Discovery. September 2 - 6, 2002, Aix-en-Provence, FRANCE.
- CIKM 2001, ACM International Conference on Information and Knowledge Management. November 5 - 10, 2001, McLean, VA, USA.
- WIDM 2001, 3rd International Workshop on Web Information and Data Management. November 9, 2001, Atlanta, Georgia, USA.
- IQ 2001, Conference on Information Quality. November 2 - 4, 2001, MIT, Boston, MA, USA.
- DaWak 2001, 3rd International Conference on Data Warehousing and Knowledge Discovery. September 5-7, 2001, Munich, GERMANY.
- RIDE 2001, 11th International Workshop on Research Issues in Data Engineering. April 1-April 2, 2001, Heidelberg, GERMANY.

- DOLAP 2000, ACM, 3rd International Workshop on Data Warehousing and OLAP. November 10, 2000, Washington, DC, USA.
- CIKM 2000, ACM International Conference on Information and Knowledge Management. November 6 - 11, 2000 (session chair) Washington, DC, USA.
- ER 2000, 19th International Conference on Conceptual Modeling. October 9 -12, 2000, Salt Lake City, Utah, USA.
- KDMS 2000, International Workshop on Conceptual Modeling for Knowledge Discovery and Management systems. October 9 -12, 2000, Salt Lake City, Utah, USA.
- VLDB 2000 (Demo Track), 26th International Conference on Very Large Databases. September 10 -14, 2000, Cairo, EGYPT.
- ICIIS 1999, IEEE International Conference on Information, Intelligence and Systems. October 31-November 3, 1999, Bethesda, Maryland, USA.

STUDENT RESEARCH AND THESIS MENTORING

- PhD Candidate-Rothanthi Tsoni. "Distance and Open Education from the Masses to the People: Catching up with the Content and Structure in Educational Environments for Demystifying the Oasis of Distance Learning". School of Science and Technology, Hellenic Open University, Greece, 2018-today
- PhD Candidate-Petros Tamvakis. **School** of Science and Technology, Hellenic Open University, Greece, 2021-today
- PhD Candidate-Christos Samaras. "A Big Data Learning Analytics Methodology for the Modeling and the Prediction of School Dropout". School of Science and Technology, Hellenic Open University, Greece, 2016-today.
- Postdoctoral Researcher-Fotis Lazarinis, School of Science and Technology, Hellenic Open University, Greece, 2016-today.
- Postdoctoral Researcher-Dimitris Karapiperis, School of Science and Technology, Hellenic Open University, Greece, 2017-today.
- External Examiner of the PhD thesis- Anushka Isuru Vidanage (2021). "Efficient Cryptanalysis Techniques for Privacy-Preserving Record". Australian National University.

- PhD-Andreas Gkontzis, (2019). "A Big Data Analytics Framework for Adaptive and Personalized Learning Environments". School of Science and Technology, Hellenic Open University, Greece.
- PhD-Dimitris Karapiperis (2016). "A service - oriented framework for the specification, deployment, execution, benchmarking, and prediction of performance of scalable privacy - preserving record linkage techniques". School of Science and Technology, Hellenic Open University, Greece.
- PhD-Alexandros Karakasidis, (2015). "Approximate Linkage of Duplicate Records, Data Matching and Privacy". School of Science and Technology, Hellenic Open University, Greece.
- PhD-Aris Gkoulalas-Divanis, (2009). "From itemsets through trajectories to location based services: a knowledge hiding privacy approach". Department of Electrical and Computer Engineering, University of Thessaly, Greece.
- External Examiner of the PhD thesis- Lauri Tuovinen (2013). "From Machine Learning to Learning with Machines: Remodeling the Knowledge Discovery Process". University of Oulu, Finland.
- More than 50 Theses of MSc, BSc & BEng Students

COURSE TAUGHT

New York University, Abu Dhabi

CS-UH2214/ Data Base Systems

Hellenic Open University, Greece

PLS 60/ Specialization in Software Engineering/Data Management

PLH 11/ Software Engineering Foundations

Open University of Cyprus

ICS 512/Data Mining (Advanced Category)

COS 624/Cognitive Systems [Teaching Language: English]

University of Thessaly, Greece

CE 350/ Files Systems and Databases,

CE 428/ Advanced Database Systems

Drexel University, Pennsylvania, USA

INFO365/Data Base Management I

INFO210/ Data Base Management Systems

INFO 605/ Data Base Management

INFO606/ Advanced Data Base Management

PROFESSIONAL PC MEMBERSHIP

- Member of the Board of Directors of the Computer-Technology Institute & Press (C.T.I)-
Diophantus