

CURRICULUM VITAE

VASSILIOS S. VERYKIOS

School of Science and Technology, Hellenic Open University
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EDUCATION

PhD in Computer Sciences..... August 1999
Computer Sciences Department, Purdue University, USA
Area of Expertise: Data Mining and Knowledge Discovery

MSc in Computer SciencesMay 1997
Computer Sciences Department, Purdue University, USA

Diploma Degree August 1992
Department of Computer Engineering and Informatics, University of Patras, GREECE

ACADEMIC EXPERIENCE

Associate Professor..... January 2011-Today
School of Science and Technology, Hellenic Open *University*

Assistant Professor..... August 2005-January 2011
Department of Computer and Communication Engineering, University of Thessaly

Visiting Assistant Professor.....February 2004- August 2005
Department of Computer and Communication Engineering, University of Thessaly

Visiting Professor..... Fall Semester 2003-2004
Athens Information Technology and Carnegie Mellon University
Information Networking Initiative, Paiania, Athens, GREECE

Visiting Instructor..... 2002-2003
Hellenic Open University

Visiting Professor..... Fall Semester 2002-2003
Athens Information Technology and Carnegie Mellon University
Information Networking Initiative, Paiania, Athens, GREECE

Assistant Professor..... 1999-2002
College of Information Science and Technology, Drexel University, Philadelphia, USA

Visiting Assistant Professor..... Spring Semester 2001-2002
Department of Computer Engineering and Informatics, University of Patras, GREECE

Visiting Assistant Professor..... Summer Semesters 2001 and 2002
Computer Sciences Department, Purdue University, USA

RESEARCH and PROFESSIONAL EXPERIENCE

- Research and Development** 5/2003-5/2005
LOGICDIS S.A., Athens, GREECE
- Research Scientist** 5/2002-5/2003
Research and Academic Computer Technology Institute, Patras, GREECE
- Research Scientist** 10/2001-5/2002
INTRACOM S.A., Research and Development Department, Athens, GREECE
- Consultant** 12/2000-6/2001
ChoiceMaker Technologies Inc. , Applied Research, New York, USA
- Research Scientist** Summer 2001
Naval Research Laboratory, CHACS, Washington, USA
- Consultant** 1/1999-1/2000
Telcordia Technologies, Applied Research, New Jersey, USA
- Consultant** Summer Semesters 1999 & 2000
Computer Sciences Department, Purdue University, USA
- Research Scientist** 10/1992-12/1994
First Informatics S.A., Patras, GREECE

OTHER EXPERIENCE

- Research Assistant** 1995-1999
Computer Sciences Department, Purdue University, USA
- Research Assistant** 1992-1994
Department of Computer Engineering and Informatics, University of Patras, GREECE
- Computer Programmer** 1989/1991
Public Power Corporation of GREECE, Patras, GREECE

TEACHING EXPERIENCE

University of Thessaly

Data Mining (Undergraduate/Graduate)
Files Systems and Databases (Undergraduate)
Advanced Database Systems (Undergraduate/Graduate)
Digital Libraries (Graduate)
Diploma and Doctoral Theses Supervising

University of Patras

Databases II (Undergraduate)
Software Engineering (Undergraduate)

Hellenic Open University

Software Engineering (Undergraduate)

Drexel University

Databases I (Undergraduate)
Databases II (Graduate)
Database Administration (Undergraduate)
Advances Database Systems (Graduate)
Computer Networks and Distributed Computing (Undergraduate)
Expert Systems (Undergraduate)
Diploma Theses Supervising (Graduate)

Purdue University

Computer Programming in C/C++ (Undergraduate)
Numerical Methods for Financial Derivatives (Graduate)

Athens Information Technology

Information System Modeling (Graduate)

Pennsylvania Governor's School

Database Management (Undergraduate)

RESEARCH PROJECTS

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>

UP-TV Ubiquitous Personalized Interactive Multimedia TV Systems and Services

1/12/2000-31/5/2003

Confidentiality Issues in Data Mining and Quality of Data

6/2000-6/2001 - CERIAS

Data Quality for Knowledge Mining

10/1999-10/2000 - IBM

Database Security Approaches in the Deregulated Electricity Market

6/1999-6/2000 - CERIAS (<http://www.cerias.purdue.edu/>)

Data Quality

<http://www.cs.purdue.edu/research/dq.html>

PYTHIA-II: A Recommender System for Scientific Computing

<http://www.cs.purdue.edu/research/cse/pythia/>

POEMS: End-to-End Modeling of Large Heterogeneous Adaptive Parallel/Distributed Computer/Communication Systems - <http://www.cs.utexas.edu/users/poems/>

PELLPACK: A Problem Solving Environment (PSE) for PDE-Based Applications

<http://www.cs.purdue.edu/research/cse/pellpack/pellpack.html>

PDELab: A Development and Problem Solving Environment for PDE-Based Applications on Parallel Machines - <http://www.cs.purdue.edu/research/pdelab.html>

PROGRAM CO-CHAIR AND COMMITTEE MEMBERSHIPS

1. **ICDM2011.** The IEEE International Conference on Data Mining, Dec. 11-14, 2011, Vancouver, CANADA.
2. **ECML/PKDD2011.** The European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases, Sep. 5-9, 2011, Athens, GREECE
3. **AIAI2011.** The 7th Artificial Intelligence Applications and Innovations Conference, Sept. 15-18, 2011, Corfu, GREECE.
4. **EANN2011.** The 12th Engineering Applications of Neural Networks Conference, Sept. 15-18, 2011, Corfu, GREECE.
5. **KDD2011.** The 17th ACM SIGKDD Conference on Knowledge Discovery and Data Mining, Aug. 21-24, 2011, San Diego, CA, USA.
6. **ECDM2011.** The European Conference on Data Mining, Jul. 20-26, 2011, Rome, ITALY.
7. **ICDM 2010.** The 10th IEEE International Conference on Data Mining, Dec. 13-17, 2010, Sydney, AUSTRALIA.
8. **PADM2010,** 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 Member)
9. **AIAI 2010.** The 6th IFIP Conference on Artificial Intelligence Applications & Innovations, Oct. 5-7, 2010, Ayia Napa, CYPRUS.
10. **PSDML2010,** 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 Member).
11. **PSD 2010.** The 4th Privacy in Statistical Databases Conference, Sept. 22-24, 2010, Corfu, GREECE.
12. **IWEA 2010.** The 4th IEEE International Workshop on e-Activity, Aug. 18-20, 2010, Yamagata, JAPAN.
13. **FSKD 2010.** The 7th International Conference on Fuzzy Systems and Knowledge Discovery, Aug. 10-12, 2010, Yantai, CHINA.
14. **ICIS 2010.** The 3rd International Conference on Information Sciences and Interaction Sciences, Jun. 23-25, 2010, Chengdu, CHINA.
15. **SAC 2010.** The 25th ACM Symposium on Applied Computing. Mar. 22-26, 2010, SWITZERLAND.
16. **PADM 2009.** International Workshop on Privacy Aspects of Data Mining. Dec. 6, 2009, Miami, FL, USA.
17. **HDMS 2009.** The 8th Hellenic Data Management Symposium. Aug. 31-Sep. 1, 2009, Athens, GREECE.
18. **ICDM 2009.** 2009 IEEE International Conference on Data Mining. December 6-9, 2009. Miami, FL, USA.
19. **ICIQ 2009.** 14th International Conference on Information Quality. November 7-8, 2009. MIT, Cambridge, MA, USA.
20. **CIKM 2009.** 18th ACM Conference on Information and Knowledge Management. November 2-6, 2009. Hong Kong, CHINA.
21. **NCM 2009.** 5th International Conference on Networked Computing and Advanced Information Management. August 25-27, 2009. Seoul, KOREA.

22. **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).
23. **ECDM 2009.** European Conference on Data Mining. June 18-20, 2009. Algarve, PORTUGAL.
24. **IWEA 2009.** 3rd IEEE International Workshop on e-Activity. May 27-28 2009, Catholic University of Daegu, Daegu, KOREA.
25. **AIAI 2009.** 5th IFIP Conference on Artificial Intelligence Applications and Innovations. April 23-25, 2009, Thessaloniki, GREECE
26. **ICDM 2008.** 2008 IEEE International Conference on Data Mining. December 15-19, 2008, Pisa, ITALY.
27. **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).
28. **ICCIT 2008.** The 3rd International Conference on Convergence and hybrid Information Technology. November 11-13, 2008, Busan, Republic of KOREA.
29. **CIKM 2008.** 17th ACM Conference on Information and Knowledge Management. October 26-30, Napa Valley, California, USA.
30. **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).
31. **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).
32. 1st Interdisciplinary Workshop on Mobility, Data Mining and Privacy. February 14, 2008, Rome, ITALY.
33. **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)
34. **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).
35. **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).
36. **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).
37. **ICDM 2007.** IEEE International Conference on Data Mining. October 28-32, 2007, Omaha, NE, USA,
38. **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).

39. **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).
40. **HDMS 2007.** The 6th Hellenic Data Management Symposium. Athens, GREECE, July 5-6, 2007.
41. **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).
42. **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).
43. **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).
44. **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.
45. **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).
46. **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).
47. **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).
48. **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).
49. **DEEC 2005.** The 1st International Workshop on Data Engineering Issues in E-Commerce. April 8, 2005, Tokyo, JAPAN.
50. **International Workshop on Privacy and Security Issues in Data Mining.** September 20, 2004, Pisa, ITALY.
51. **DaWak 2003,** 5th International Conference on Data Warehousing and Knowledge Discovery. September 1-5 , 2003, Praha, CZECH REPUBLIC.
52. **DQCIS 2003,** International Workshop on Data Quality in Cooperative Information Systems. January 10-11, 2003, Siena, ITALY.
53. **CIKM 2002,** ACM International Conference on Information and Knowledge Management. November 4 - 9, 2002, McLean, VA, USA.
54. **DOLAP 2002,** ACM, 5th International Workshop on Data Warehousing and OLAP, McLean, VA, USA, November 8, 2002.
55. **DaWak 2002,** 4th International Conference on Data Warehousing and Knowledge Discovery. September 2 - 6, 2002, Aix-en-Provence, FRANCE.
56. **CIKM 2001,** ACM International Conference on Information and Knowledge Management. November 5 - 10, 2001, McLean, VA, USA.

57. **WIDM 2001**, 3rd International Workshop on Web Information and Data Management. November 9, 2001, Atlanta, Georgia, USA.
58. **IQ 2001**, Conference on Information Quality. November 2 - 4, 2001, MIT, Boston, MA, USA.
59. **DaWak 2001**, 3rd International Conference on Data Warehousing and Knowledge Discovery. September 5-7, 2001, Munich, GERMANY.
60. **RIDE 2001**, 11th International Workshop on Research Issues in Data Engineering. April 1-April 2, 2001, Heidelberg, GERMANY.
61. **DOLAP 2000**, ACM, 3rd International Workshop on Data Warehousing and OLAP. November 10, 2000, Washington, DC, USA.
62. **CIKM 2000**, ACM International Conference on Information and Knowledge Management. November 6 - 11, 2000 (session chair) Washington, DC, USA.
63. **ER 2000**, 19th International Conference on Conceptual Modeling. October 9 -12, 2000, Salt Lake City, Utah, USA.
64. **KDMS 2000**, International Workshop on Conceptual Modeling for Knowledge Discovery and Management systems. October 9 -12, 2000, Salt Lake City, Utah, USA.
65. **VLDB 2000** (Demo Track), 26th International Conference on Very Large Databases. September 10 -14, 2000, Cairo, EGYPT.
66. **ICIIS 1999**, IEEE International Conference on Information, Intelligence and Systems. October 31-November 3, 1999, Bethesda, Maryland, USA.

EDITORIAL ACTIVITIES AND REVIEWING

International Journal of Data Mining, Modeling and Management (Editorial Board)

International Journal of Knowledge-Based Organizations (Editorial Board)

IEEE Transactions on Knowledge and Data Engineering

Distributed and Parallel Databases Journal

Data and Knowledge Engineering Journal

ACM Journal of Data and Information Quality

VLDB Journal

Journal of Systems and Software

Information Systems Journal

Knowledge and Information Systems Journal

IEEE Internet Computing

Journal of the Association for Information Systems

International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems

Advances in Management Information Systems on Information Quality, Monograph Series. Guest editors: Stuart Madnick, Elizabeth M. Pierce and Craig Fisher

IEEE Computer, Special issue on Digital Government. Guest editors: A.K. Elmagarmid and W. Mclver

IEEE Computer, Special Issue on Data Mining. Guest editors: N. Ramakrishnan and A.Y. Grama

IEEE International Conference on Data Engineering, Heidelberg, Germany, April 2001

OTHER MEMBERSHIPS

ACM, IEEE, UPE

RESEARCH INTERESTS

Data Mining
Record Linkage
Data Privacy and Security
Privacy Preserving Data Mining
Privacy Preserving Record Linkage
Association Rule Hiding

RESEARCH PUBLICATIONS

MONOGRAPHS

- M1. Gkoulalas-Divanis, A., **Verykios, V.S.** *Association Rule Hiding for Data Mining*. Springer Monograph. 2010.

COLLECTIONS

- C1. Dimitrakakis, C., Gkoulalas-Divanis, A., Mkitrokosta, A., Saygin, Y., and **Verykios, V.S.** (Eds.) *Privacy and Security Issues in Data Mining and Machine Learning*. International ECML/PKDD Workshop, PSDML 2010, Sep. 24, 2010, Barcelona, SPAIN.

BOOK TRANSLATIONS

- T1. Dunham, M.H. *Data Mining Introductory and Advanced Topics*. Prentice Hall, 2004.
- T2. Ullman, J.D., and Widom, J., *A First Course in Database Systems*. Prentice Hall, 2008.
- T3. Tan, P.N., Steinbach, M., and Kumar, V. *Introduction to Data Mining*. Addison Wesley, 2009.

BOOK CHAPTERS

- BC1. Karakasidis, A., **Verykios, V.S.** *Advances in Privacy Preserving Record Linkage*. In E-activity and Innovative Technology. Advances in Applied Intelligence Technologies Book Series. IGI Global, 2010.
- BC2. Gkoulalas-Divanis, A., **Verykios, V.S.** *Privacy Issues in Spatiotemporal Data Mining*. In Privacy-Aware Knowledge Discovery: Novel Applications and New Techniques. Chapman & Hall/CRC Press, Data Mining and Knowledge Discovery Book Series. Eds. Francesco Bonchi and Elena Ferrari. Series Ed. Vipin Kumar. Chapman & Hall/CRC Press, 2009.
- BC3. Gkoulalas-Divanis, A., **Verykios, V.S.** *Privacy Preserving Data Mining: How far can we go?* In Handbook of Research on Data Mining in Public and Private Sectors: Organizational and Government Applications. Eds. Antti Syvajarvi and Jari Stenvall. IGI Global, 2009.
- BC4. Gkoulalas-Divanis, A., **Verykios, V.S.** *HESTIA: Historically-Enabled Spatio-temporal Information Anonymity*. In Data Mining. Ed. Frank Columbus. Nova Science Publishers, Inc. 2009.
- BC5. **Verykios, V.S.**, Gkoulalas-Divanis, A., Theodoridis, Y., and Pelekis, N. *Privacy Preservation in Trajectories of Moving Objects*. In Privacy and Information and Communication Technologies: Technical and Legal Issues. Eds. Lambrinouidakis, C., Mitrou, L., Gritzalis, S. and Katsikas, S.K. Pappasotiriou Pubs. 2009. (in Greek)
- BC6. Gkoulalas-Divanis, A., **Verykios, V.S.** *Privacy in Trajectory Data*. In Social Implications of Data Mining and Information Privacy: Interdisciplinary Frameworks and Solutions. Chapter 11, pp. 199-212. Ed. Ephrem Eyob. Information Science Reference, 2008.

- BC7. **Verykios, V.S.** [Association Rule Hiding Methods](#). In [Encyclopaedia of Data Warehousing and Mining, 2nd Edition](#). Chapter 12, pp.71-75. Ed. John Wang. Idea Group Publishing 2008.
- BC8. **Verykios, V.S.**, and Gkoulalas-Divanis, A. [A Survey of Rule Hiding Methods for Privacy](#). In [Privacy Preserving Data Mining: Models and Algorithms](#), Chapter 11, pp. 265-287. Eds. Charu Aggarwal, and Philip S. Yu. Springer 2008.
- BC9. Pedreschi, D., Bonchi, F., Turini, F., **Verykios, V.S.**, Atzori, M., Malin, M., Moelans, B., and Saygin, Y. [Privacy Protection: Regulations and Technologies, Opportunities and Threats](#). In [Mobility, Data Mining and Privacy](#), Chapter 4, pp. 101-119. Eds. Giannotti, F. and Pedreschi, D. Springer, 2007.
- BC10. **Verykios, V.S.**, Damiani, M.L., and Gkoulalas-Divanis, A. [Privacy and Security in Spatio-temporal Data and Trajectories](#). In [Mobility, Data Mining and Privacy](#), Chapter 8, pp. 213-240. Eds. Giannotti, F. and Pedreschi, D. Springer, 2007.
- BC11. Bonchi, F., Saygin, Y., **Verykios V.S.**, Atzori, M., Gkoulalas-Divanis, A., Kaya, S.V., and Savas, E. [Privacy in Spatiotemporal Data Mining](#). In [Mobility, Data Mining and Privacy](#), Chapter 11, pp. 297-333. Eds. Giannotti, F. and Pedreschi, D. Springer, 2007.
- BC12. **Verykios, V.S.**, and Elmagarmid, A.K. [The Purdue University Data Quality Project](#). In [Data Quality](#), Chapter 8, pp. 119-137. Eds. Wang, R., Ziad M. and Lee, Y. Kluwer Academic Publishers, 2001.
- BC13. Houstis, E.N., **Verykios, V.S.**, Catlin, A.C., Ramakrishnan, N., and Rice, J. R. [A Data Mining Environment for Modeling the Performance of Scientific Software](#). In [Enabling Technologies for Computational Science: Frameworks, Middleware and Environments](#), Chapter 21, pp. 261-271. Eds. Houstis, E.N., Gallopoulos, S., Rice, J.R. and Bramley, R. Kluwer Academic Publishers, 2000.

JOURNAL PUBLICATIONS

- J1. Gkoulalas-Divanis, A. and **Verykios, V.S.** [Concealing the Position of Individuals in Location Based Services](#). [Operational Research: An International Journal](#), accepted for publication.
- J2. Gkoulalas-Divanis, A. and **Verykios, V.S.** [Hiding Sensitive Knowledge without Side-Effects](#). [Knowledge and Information Systems Journal](#), vol. 20, no. 3, pp 263-299, September 2009.
- J3. Moustakides, G.V. and **Verykios, V.S.** [Optimal Stopping: A Record Linkage Approach](#). [ACM Journal of Data and Information Quality](#), vol. 1, issue 2, September 2009
- J4. **Verykios, V.S.**, Mitrogiannis, V.K. and Karakasidis, A. [Privacy Preserving Record Linkage Approaches](#). [International Journal of Data Mining, Modelling and Management](#), vol. 1, no. 2, pp. 206-221, May 2009.
- J5. Gkoulalas-Divanis, A. and **Verykios, V.S.** [Exact Knowledge Hiding through Database Extension](#). [IEEE Transactions on Knowledge and Data Engineering](#), vol. 21, issue 5, pp. 699-713, May 2009.

- J6. Gkoulalas-Divanis, A., **Verykios, V.S.** and Bozanis, P. [*A Network Aware Privacy Model for Online Requests in Trajectory Data*](#). *Data and Knowledge Engineering Journal*, vol. 68, issue 4, pp. 431-452, April 2009.
- J7. Gkoulalas-Divanis, A. and **Verykios, V.S.** [*Exact Knowledge Hiding in Transactional Databases*](#). *International Journal on Artificial Intelligence Tools*, vol. 18, issue 1, pp. 17-37, February 2009.
- J8. Gkoulalas-Divanis, A. and **Verykios, V.S.** [*A Privacy-Aware Trajectory Tracking Query Engine*](#). *SIGKDD Explorations*, vol. 10, issue 1, pp. 40-49, July 2008.
- J9. Moustakides, G.V. and **Verykios, V.S.** [*A MaxMin Approach for Hiding Frequent Itemsets*](#). *Data and Knowledge Engineering Journal*, vol. 65, issue 1, pp. 75-89, April 2008.
- J10. **Verykios, V.S.**, Pontikakis E., Theodoridis Y. and Chang L. [*Efficient Algorithms for Distortion and Blocking Techniques in Association Rule Hiding*](#). *Distributed and Parallel Databases Journal*, vol. 22, no. 1, pp. 85-104, August 2007
- J11. Elmagarmid, A.K., Ipeirotis, P. and **Verykios, V.S.** [*Duplicate Record Detection: A Survey*](#). *IEEE Transactions on Knowledge and Data Engineering*, vol. 19, no 1, pp. 1-16, January 2007
- J12. **Verykios, V.S.**, Elmagarmid, A.K., Bertino, E., Dasseni, E. and Saygin, Y. [*Association Rule Hiding*](#). *IEEE Transactions on Knowledge and Data Engineering*, vol. 16, no. 4, pp. 434-447, April 2004.
- J13. **Verykios, V.S.**, Bertino, E., Fovino, I.N., Provenza, L.P., Saygin, Y. and Theodoridis, Y. [*State of the Art in Privacy Preserving Data Mining*](#). *SIGMOD Record*, vol. 33, no. 1, pp. 50-57, March 2004.
- J14. **Verykios, V.S.**, Moustakides, G.V. and Elfeky, M.G. [*A Bayesian Decision Model for Cost Optimal Record Matching*](#). *The VLDB Journal*, vol. 12, no. 1, pp. 28-40, May 2003.
- J15. Missier, P., Lalk, G., **Verykios, V.S.**, Grillo, F., Lorusso, T. and Angeletti, P. [*Improving Data Quality in Practice: A Case Study in the Italian Public Administration*](#). *Distributed and Parallel Databases Journal*, vol. 13, no. 2, pp. 135-160, March 2003.
- J16. Houstis, E.N., Rice, J.R., Catlin, A.C., Dhanjani, N., Ramakrishnan, N. and **Verykios, V.S.** [*MyPYTHONIA: A Recommendation Portal for Scientific Software and Services*](#). *Concurrency and Computation: Practice and Experience Journal*, vol. 14, issue 13-15, pp. 1481-1505, November-December 2002.
- J17. Saygin, Y., **Verykios, V.S.** and Clifton, C.W. [*Using Unknowns to Prevent Discovery of Association Rules*](#). *SIGMOD Record*, vol. 30, no. 4, pp. 45-54, December 2001.
- J18. **Verykios, V.S.**, Houstis, E.N., Tsoukala, L.H. and Pantazopoulos, K.N. [*Automating the Analysis of Option Pricing Algorithms through Intelligent Knowledge Acquisition Approaches*](#). *IEEE Transactions on Systems, Man and Cybernetics. Part A*, vol. 31, issue 6, pp. 573-586, November 2001.
- J19. **Verykios, V.S.**, Elmagarmid, A.K. and Houstis, E.N. [*Automating the Approximate Record Matching Process*](#). *Journal of Information Sciences*, vol. 126, issue 1-4, pp. 83-98, July 2000.

- J20. **Verykios, V.S.**, Houstis, E.N. and Rice, J.R. [*A Knowledge Discovery Methodology for the Performance Evaluation of Scientific Software*](#). *Journal of Neural, Parallel & Scientific Computations*, vol. 8, no. 2, pp. 115-132, June 2000.
- J21. Houstis, E.N., Catlin, A.C., Rice, J.R., **Verykios, V.S.**, Ramakrishnan, N. and Houstis, C.E. [*PYTHIA-II: A Knowledge/Database System for Managing Performance Data and Recommending Scientific Software*](#). *ACM Transactions on Mathematical Software*, vol. 26, no. 2, pp. 227-253, June 2000.

CONFERENCES AND WORKSHOPS

- P1. Sioutas, S. Magkos, E., Karydis, I., **Verykios, V.S.** *Uncertainty for Anonymity and 2-Dimensional Range Query Distortion*. In the Proceedings of the Privacy in Statistical Databases Conference, PSD 2010, pp. 85-96, September 22-24, 2010, Corfu, GREECE.
- P2. Delis, A., **Verykios, V.S.**, Tsitsonis, A. *A Data Perturbation Approach to Sensitive Classification Rule Hiding*. In the Proceedings of the 25th Symposium On Applied Computing, SAC 2010, pp. 605-609, March 22-26, 2010, Sierre, SWITZERLAND.
- P3. Karakasidis, A., **Verykios, V.S.** *Privacy Preserving Record Linkage Using Phonetic Codes*. In the Proceedings of the 4th Balkan Conference in Informatics, BCI 2009, pp. 101-106, September 17-19, 2009, Thessaloniki, GREECE.
- P4. Douras, D., Gkoulalas-Divanis, A., **Verykios, V.S.** *Offering Increased Privacy Guarantees in Continuous Location Based Services*. In the 4th Balkan Conference in Informatics, BCI 2009, September 17-19, 2009, Thessaloniki, GREECE.
- P5. Gkoulalas-Divanis, A., **Verykios, V.S.** and Eleftheriou, D. *PLOT: Privacy in Location Based Services, an Open-Ended Toolbox*. In the Proceedings of the 10th International Conference on Mobile Data Management, MDM 2009, pp. 62-71, May 18-20, 2009, Taipei, TAIWAN.
- P6. Gkoulalas-Divanis, A., **Verykios, V.S.** and Mokbel, M.F. *Identifying Unsafe Routes for Network-Based Trajectory Privacy*. In the Proceedings of the 2009 SIAM International Conference on Data Mining, SDM 2009, pp. 942-953, April 30-May 2, 2009, Nevada, USA.
- P7. Katsarou, A., Gkoulalas-Divanis, A., **Verykios, V.S.** [*Reconstruction-based Classification Rule Hiding through Controlled Data Modification*](#). In the Proceedings of the 5th IFIP Conference on Artificial Intelligence Applications & Innovations, AIAI 2009, pp. 449-458, April 23-25, 2009, Thessaloniki, GREECE.
- P8. Gkoulalas-Divanis, A. and **Verykios, V.S.** [*A Parallelization Framework for Exact Knowledge Hiding in Transactional Databases*](#). In the Proceedings of the 23rd International Information Security Conference, SEC 2008, pp. 349-363, September 8-10, 2008, Milan, ITALY.
- P9. Gkoulalas-Divanis, A. and **Verykios, V.S.** [*A Free Terrain Model for Trajectory K-Anonymity*](#). In the Proceedings of the 19th International Conference on Database and Expert Systems Applications, DEXA 2008, pp. 49-56, September 1-5, 2008, Turin, ITALY.
- P10. Gkoulalas-Divanis, A. and **Verykios, V.S.** [*Protecting Individuals in Location Based Services*](#). In the Proceedings of the 20th National Conference on Corporation Research and Touristic Progress, EEEE 2008, pp. 973-984, June 19-21, 2008, Spetses, GREECE.

- P11. Gkoulalas-Divanis, A. and **Verykios, V.S.** [*A Hybrid Approach to Frequent Itemset Hiding.*](#) In the Proceedings of the 19th IEEE International Conference on Tools with Artificial Intelligence, ICTAI 2007, pp. 297-304, October 29-31, 2007, Patras, GREECE.
- P12. Zacharouli P., Gkoulalas-Divanis, A. and **Verykios V.S.** [*A k-Anonymity Model for Spatio-temporal Data.*](#) In the Proceedings of the Workshop on Spatio-Temporal Data Mining STDM 2007, pp. 555-564, April 20, 2007, Istanbul, TURKEY.
- P13. Moustakides, G.V. and **Verykios, V.S.** [*A Max-Min Approach for Hiding Frequent Itemsets.*](#) In the Proceedings of the IEEE International Workshop on Privacy Aspects of Data Mining, PADM 2006, pp. 502-506, December 2006, HONG KONG.
- P14. Gkoulalas-Divanis, A. and **Verykios, V.S.** [*An Integer Programming Approach for Frequent Itemset Hiding.*](#) In the Proceedings of the 15th ACM International Conference on Information and Knowledge Management, CIKM 2006, p. 748-757, November 2006, Arlington, VA, USA.
- P15. Pontikakis E.D., Tsitsonis, A. **Verykios, V.S.**, Theodoridis Y. and Chang L. [*A quantitative and qualitative analysis of blocking in association rule hiding.*](#) In the Proceedings of the Workshop on Privacy in Electronic Society, WPES 2004, pp. 29-30, October 2004, Washington, DC, USA.
- P16. Pontikakis E.D., Tsitsonis, A. and **Verykios, V.S.** [*An Experimental Study of Distortion-based Techniques for Association Rule Hiding.*](#) In the Proceedings of the IFIP WG 11.3 Working Conference on Data and Applications Security, DBSec 2004, pp. 325-339, July 2004, Sitges, SPAIN.
- P17. Pontikakis E.D., **Verykios, V.S.** and Theodoridis, Y. [*On the Comparison of Association Rule Hiding Heuristics.*](#) In the Proceedings of 3rd Hellenic Data Management Symposium, HDMS 2004, June 2004, Athens, GREECE.
- P18. **Verykios, V.S.** and Moustakides, G.V. [*A Generalized Cost Optimal Model for Record Matching.*](#) In Proceedings of IQIS 2004, International Workshop of Information Quality in Information Systems, SIGMOD 2004 Workshop, June 2004, Paris, FRANCE.
- P19. Pontikakis E.D. and **Verykios, V.S.** [*An Experimental Study of Association Rule Hiding Techniques.*](#) In Proceedings of the DIMACS/PORTIA Workshop in Privacy Preserving Data Mining, March 2004, Rutgers University, New Jersey, USA.
- P20. Pfoser, D., Tryfona, N. and **Verykios, V.S.** [*Service-Based Data Management in a Global Computing Environment.*](#) In Proceedings of the 3rd International Workshop on Web and Wireless Geographical Information Systems, W2GIS 2003, December 13, 2003, Rome, ITALY.
- P21. Elfeky, M.G. and **Verykios, V.S.** [*On Search Enhancement of the Record Linkage Process.*](#) In Proceedings of the KDD 2003 Workshop on Data Cleaning, Record Linkage and Object Consolidation, August 2003, Washington, DC, USA.
- P22. Houstis, E.N., **Verykios, V.S.**, Catlin, A.C. and Rice, J.R. [*A Knowledge Discovery Methodology for Behavior Analysis of Large-Scale Applications on Parallel Architectures.*](#) In Proceedings of International Conference on Computational Science, pp. 739-748, June 2003, Melbourne, AUSTRALIA.

- P23. Saygin, Y., **Verykios, V.S.** and Elmagarmid, A.K. [Privacy Preserving Association Rule Mining](#). In Proceedings of 12th International Workshop on Research Issues in Data Engineering, RIDE 2002, pp. 151-158, San Jose, CA, USA.
- P24. Elfeky, M.G., **Verykios, V.S.** and Elmagarmid, A.K. [TAILOR: A Record Linkage Toolbox](#). In Proceedings of 18th International Conference on Data Engineering, ICDE 2002, pp. 17-28, San Jose, CA, USA.
- P25. Dasseni, E., **Verykios, V.S.**, Elmagarmid, A.K. and Bertino, E. [Hiding Association Rules by Using Confidence and Support](#). In Proceedings of the 4th International Hiding Workshop, IHW 2001, pp. 369-383, April 2001, Pittsburgh, PA, USA (Lecture Notes in Computer Science 2137 Springer 2001).
- P26. **Verykios, V.S.** and Moustakides, G.V. [A Decision Model for Cost Optimal Record Matching](#). In Proceedings of the Affiliates Workshop on Data Quality, pp. 8, December 2000, Morristown, NJ, USA.
- P27. **Verykios, V.S.**, Elmagarmid, A.K., Elfeky, M., Cochinwala, M. and Dalal, S. [On the Completeness and Accuracy of the Record Matching Process](#). In Proceedings of the MIT Conference on Information Quality, pp. 54-69, October 2000, Boston, MA, USA.
- P28. **Verykios, V.S.**, Houstis, E.N. and Rice, J.R. [Mining the Performance of Complex Systems](#). In Proceedings of the IEEE International Conference on Intelligence, Information and Systems, ICIIS'99, pp. 606-612, November 1999, Bethesda, MD, USA.
- P29. Atallah, M., Bertino, E., Elmagarmid, A.K., Ibrahim, M. and **Verykios, V.S.** [Disclosure Limitation of Sensitive Rules](#). In Proceedings of the 1999 IEEE Knowledge and Data Engineering Exchange Workshop, KDEX'99, pp. 45-52, November 1999, Chicago, IL, USA.
- P30. Pantazopoulos, K.N., **Verykios, V.S.** and Houstis, E.N. [A Knowledge-Based System for the Evaluation of Option Pricing Algorithms](#). In Proceedings of the 4th IEEE/IAFE/INFORMS Conference on Computational Intelligence in Financial Engineering, CIFER'98, pp.123-140, March 1998, New York, NY, USA.
- P31. Houstis, C.H., Papatheodorou, T.S., **Verykios, V.S.**, Floratos, A. and Elmagarmid, A.K. [BIND: A Biomedical Interoperable Database System](#). In Proceedings of the 5th International Conference on Database Expert System Applications, DEXA 1994, pp.671-679, September 1994, Athens, GREECE (Lecture Notes in Computer Science, vol. 856, Springer 1994).
- P32. Vergis, A. and **Verykios, V.S.** [On the Testability of Purely Recursive Digital Filters](#). In Proceedings of the 6th International Conference on Parallel Architectures and Languages Europe, PARLE' 94, pp. 85-96, July 1994, Athens, GREECE (Lecture Notes in Computer Science, vol. 817, Springer 1994).

TECHNICAL REPORTS

- TR1. Elfeky, M.G., **Verykios, V.S.**, Elmagarmid, A.K., Ghanem, T.M., Huwait, A.R. *Record Linkage: A Machine Learning Approach, A Toolbox, and a Digital Government Web Service*. Available as Technical Report CSD-TR #03-024, Department of Computer Sciences, Purdue University, July 2003.
- TR2. Cochinwala, M., Dalal, S., Elmagarmid, A.K., and **Verykios, V.S.** *Record Matching: Past, Present and Future*. Available as Technical Report CSD-TR #01-013, Department of Computer Sciences, Purdue University, July 2001.

- TR3. **Verykios, V.S.**, Elmagarmid, A.K., and Moustakides, G.V. *Cost Optimal Record/Entity Matching*. Available as Technical Report CSD-TR #01-014, Department of Computer Sciences, Purdue University, July 2001.
- TR4. Houstis, E.N., Catlin, A.C., Rice, J.R., **Verykios, V.S.**, Ramakrishnan, N. and Houstis, C.H. *PYTHIA-II: A Knowledge/Database system for Managing Performance Data and Recommending Scientific Software*. Available as Technical Report CSD-TR #99-31, Department of Computer Sciences, Purdue University, March 2000.
- TR5. **Verykios, V.S.**, Elmagarmid, A.K., and Houstis, E.N. *Record Matching to Improve Data Quality*. Available as Technical Report CSD-TR #99-005, Department of Computer Sciences, Purdue University, February 1999.
- TR6. **Verykios, V.S.**, and Houstis, E.N. *Parallel ELLPACK 3D Problem Solving Environment*. Available as Technical Report CSD-TR #97-028, Department of Computer Sciences, Purdue University, May 1997.