

VASSILIS CHRISTOPHIDES

PERSONAL

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index.jsp?custom=vassilis_christophides](http://www.csd.uoc.gr/CSD/index.jsp?custom=vassilis_christophides)

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RESEARCH INTERESTS

Big Data Processing and Analysis: Continuous Top-k Queries, Web Scale Entity Resolution, Motif Extraction & Drift Detection in Data Series, Real-Time Anomaly Detection in Data Streams, Aspect-based Text Summarization, Data Quality of Crowd-Measurements, Data Pipelines for Machine Learning.

Databases and Web Information Systems: XML/RDF Storage and Indexing Schemes, Semantics-aware Data Models and Query Languages, Heterogeneous Information Integration, XML/RDF Change Management, Graphical Query Interfaces.

Digital Libraries and Scientific Systems: Personalization and Preference Management, Peer-to-Peer Data and Knowledge Management Systems, Data Flow Systems, Description and Composition of e-services, Data Provenance and Annotation Management.

EDUCATION

Ph.D.: Conservatoire National des Arts et Métiers (CNAM) Paris, France, October 1996.

Thesis Title: Structured Documents and Object Databases.

Advisors: Michel Scholl and Sophie Cluet.

D.E.A.: Information Systems, University Pierre et Marie Curie (Paris VI), France, June 1992.

Thesis Title: Hypertext Databases.

Advisor: Michel Scholl

Diploma: Electrical Engineering, National Technical University of Athens (NTUA), Hellas, July 1988.

Thesis Title: Medical Information Systems.

Advisors: Manolis Skordalakis and Yannis Kollias.

EMPLOYMENT HISTORY

Applied Maths Department of the Ecole CentraleSupélec, Paris, France

Visiting Professor in Master Program of «Data Sciences and Business Analytics» (01/2016-06/2018)

INRIA Paris, France

Advanced Research Position (07/2015-06/2019)

Technicolor, Paris Research & Innovation (R&I) Center, France

Distinguished Scientist (10/2013-12/2014)

Department of Computer Science, University of Crete, Hellas

Professor(10/2009-), Associate Professor(10/2004-09/2009), Assistant Professor(01/2002–09/2004),

Visiting Assistant Professor (02/1997-08/2001)

Institute of Computer Science Foundation for Research and Technology-Hellas

Associate Researcher (10/1999-12/2001), Assistant Researcher (10/1997-09/1999)

University of California San Diego (UCSD), USA

Adjunct Professor (03/2000-06/2000)

Computer Science Department, Conservatoire National des Arts et Métiers (CNAM) Paris

Adjunct Assistant Professor (09/1995-08/1996), Teaching Assistant (09/1993-08/1994)

COURSES TAUGHT

Big Data Processing and Analysis, in the Master Program «Data Sciences and Business Analytics» of the Applied Math department of Ecole CentraleSupélec Paris, France (<https://who.rocq.inria.fr/Vassilis.Christophides/Big/index.htm>)

Advanced Topics on DBMS, in the Master Program of the Computer Science department of the University of Crete (www.csd.uoc.gr/~hy562)

Database Systems Implementation, in the last year of the undergraduate program of the Computer Science department of the University of Crete (www.csd.uoc.gr/~hy460)

Web Data Management, in the Master Program of the Computer Science department of the University of Crete (www.csd.uoc.gr/~hy561)

Object-Oriented Programming, in the last year of the undergraduate program of the Computer Science

department of the University of Crete (www.csd.uoc.gr/~hy252)

Object-Oriented Databases, advanced course in the undergraduate program of the University of California San Diego-UCSD, USA (db.ucsd.edu/static/cse132b-sp01/)

Introduction to Relational DBMS, in the undergraduate program (license) of the Computer Science department of the Conservatoire National des Arts et Métiers-CNAM, Paris, France.

Operating Systems and Application Development Tools, in the undergraduate program (license) of the Computer Science department of the Conservatoire National des Arts et Métiers-CNAM, Paris, France.

AWARDS AND DISTINCTIONS

- ISWC 2007 Best Paper Award
- ACM/SIGMOD 2004 Test of Time Award
- ISWC 2003 Best Paper Award
- Postdoctoral Fellowship (1996-1997), Institute of Computer Science, Foundation for Research and Technology-Hellas (FORTH-ICS), Heraklion, Crete, Greece.
- PhD Fellowship (1992-1995) of the French Ministry of Research and Education at the Verso Group, French Institute for Research in Computer Science and Automation (INRIA), Paris.
- Graduate Scholarship (1991-1992) of the Bodosakis Foundation at the University Pierre et Marie Curie (Paris VI), Paris, France.

RESEARCH GRANTS

- EU FP7-PEOPLE-2013-IRSES Semantic Data Management Node Coordinator (UoC budget 50000€)
- Informed Real-Estate Services: Leveraging Web 2.0 (total budget 800000€) Project Scientific Coordinator with FORTH-ICS budget 193003€ (with C. Georgis & I. Fundulaki)
- DIACHRON: Managing the Evolution and Preservation of the Data Web (IP 601043, total budget 3584241€) Project Scientific Coordinator, FORTH-ICS budget 620000€ (with G.Flouris & K.Stefanidis)
- Ideagarden: An Interactive Learning Environment Fostering Creativity (STREP 318552 total budget 2398571€) FORTH-ICS Scientific Coordinator with budget 263211€ (with M. Doerr & C. Bekiari)
- Organization and promotion of the academic content of the University of Crete Operational Program Digital Convergence, ESPA (Scientific Coordinator, total budget 771400€)
- HYDROBIONETS: Autonomous Control of Large-Scale Water Treatment Plants Based on Self-Organized Wireless BioMEM Sensor and Actuator Networks (STREP 287613 total budget 3718914€, FORTH-ICS budget 637518€, FORTH-ICS-ISL budget 99560€) (with P. Tsakalidis & D. Kotzinos)
- APARSEN: Alliance Permanent Access to the Records of Science in Europe Network, (NoE 269977, total budget 8687572€), FORTH-ICS budget 310240€ (with G. Antoniou & Y. Tzitzikas)
- Greek Archive of Monuments, Digitization of archival material at the Greek Archive of Monuments, FORTH-ICS budget 367080€ (with M. Doerr)
- KPLab: Developing Knowledge Practices Laboratory, Integrated Project, (IP 27490, total budget 14241444€) Member of Project Management Board and FORTH-ICS Scientific Coordinator with budget 939132€ (with D. Kotzinos & G Flouris)
- CASPAR: Cultural, Artistic and Scientific Knowledge for Preservation, Access and Retrieval Integrated Project, (IP 33572, total budget 15078563€) FORTH-ICS Scientific Coordinator with budget 665400€ (with Y. Tzitzikas, G. Flouris)
- DELOS: Network of Excellence in Digital Libraries, (NoE 507618, total budget 15700000€), FORTH-ICS budget 434400€ (with C. Stephanidis, M. Doerr)
- UBI-ERAT-LUPA, European Culture 2000 (CLT-CA22 2002, total budget 900000€), FORTH-ICS budget 187500€ (with M. Doerr)
- CRISATEL: Conservation Restoration Innovation Systems for image capture and digital Archiving to enhance Training, Education and longlife Learning, European (IST-1999-20163, total budget 2669820€), FORTH-ICS budget 230000€ (with M. Doerr)
- SeLeNe: Self e-Learning Networks, (IST 39045, total budget 283000€) FORTH-ICS Scientific Coordinator budget 59000€ (with D. Kotzinos)
- QuestionHow - Quality Engineering Solutions via Tools, Information and Outreach for the New Highly-enriched Offerings from W3C: Evolving the Web in Europe (IST-2000-28767) FORTH-ICS budget 20000€ (with E. Markatos)
- OntoWeb: Network of Excellence on Ontology-based Information Exchange for Knowledge Management and Electronic Commerce, (IST-2000-29243, total budget 1866332€), FORTH-ICS Scientific Coordinator with budget 51600€ (with D. Plexousakis)
- MESMUSES: Metaphors for Science Museums, (IST-26074, total budget 2.386.166€) FORTH-ICS Scientific Coordinator with budget 304988€ (with D. Plexousakis)

- C-Web: A Generic Platform Supporting Community Webs, (IST 13479, total budget 342.401€) FORTH-ICS Scientific Coordinator with budget 79200€
- ECTourism: An Electronic Commerce System for the Provision of Tourism Services over Internet, General Secretariat of Research and Technology, Greek Ministry of Development, total budget 1115187€, FORTH-ICS budget 358.034€ (with D. Plexousakis)
- ARION: An Advanced Lightweight Architecture for Accessing Scientific Collections, (IST 25289, total budget 860000€) FORTH-ICS budget 280000€ (with C. Houstis)
- Thetis: A Data Management and Visualization System for Supporting Coastal Zone Management for the Mediterranean Sea (F0069, total budget 550000€) FORTH-ICS budget 250000€ (with C. Houstis)
- Aquarelle: Sharing Cultural Heritage through Multimedia Telematics (IE-2005, total budget 6009756 Ecus) FORTH-ICS budget 344622Ecus (with P. Constantopoulos, M. Doerr)
- CIMI Z39.50: Testbed, FORTH-ICS budget 2000\$

PROFESSIONAL ACTIVITIES

Steering Committees

Member of the EDBT Association (since 2014)

General Chair

2014 Joint Conference of the International Conference on Extending Database Technology (EDBT)/ International Conference on Database Theory (ICDT), March 24-28, Athens, Greece www.edbticdt2014.gr

2009 International Workshop on the role of Semantic Web in Provenance Management (SWPM), co-located with the 8th International Semantic Web Conference ISWC-2009, October 25-29, 2008 Washington, DC (wiki.knoesis.org/index.php/SWPM-2009)

2007 Joint ODBIS & SWDB workshop on Semantic Web, Ontologies, Databases (SWDB- ODBIS'07), University of Vienna, Austria, September 23-24, 2007 (lsdis.cs.uga.edu/swdb-odbis07).

Conference Track Chair

18th International Conference on Data Engineering (ICDE'16) Area Chair for "Semi-structured, Web, and Linked Data Management", May 16-20, 2016, Helsinki, Finland (icde2016.fi)

8th Extended Semantic Web Conference (ESWC'11) Semantic Data Management Track with A. Polleres Heraklion, Greece May 29 -June 4, 2011 (www.eswc2011.org)

4th Hellenic Data Management Symposium (HDMS), August 25-26 2005, Athens, Greece (www.ics.forth.gr/hdms05).

2004 IEEE International Conference on Services Computing (SCC'04), Web Services Track, with J. Su, Shanghai China September 15 - 18, 2004 (conferences.computer.org/scc/2004/).

IX Conference on Extending Database Technology (EDBT'04), Industrial Track, Heraklion – Crete, Greece March 14 - 18 2004 (www.edbt04.gr).

Conference Program Committee Vice-Chair

7th Int'l Semantic Web Conference (ISWC), Karlsruhe DE, 26-30 October 2008 (iswc2008.semanticweb.org)

Workshop Program Committee Chair

1st International Workshop on Big Geo Data Quality and Privacy (BIGQP), co-located with EDBT 2017 with D. Kotzinos, C. Nikolaou, and Y. Theodoridis, March 21, 2017, Venice, Italy (<http://www-etis.ensea.fr/BigGeoQ-UP/BIGQP2017/>).

2nd International Workshop on Preservation of Evolving Big Data, co-located with EDBT 2016 with G. Papastefanatos and S. Viglas March 15, 2016 Bordeaux, France (www.diachron-fp7.eu/2nd-diachron-workshop.html)

2nd International Workshop on Open Data (WOD'13) with D. Vodislav, Paris, France May 13 2013 (www-etis.ensea.fr/WOD2013)

2nd International Workshop on Personalized Access, Profile Management, and Context Awareness in Databases (PersDB 2008) with G. Koutrika. In conjunction with VLDB'08, Auckland, New Zealand, 24-30 August 2008 (persdb08.stanford.edu).

1st International Workshop on Database Preservation (PresDB'07) with P. Buneman, March 23 2007, Edinburgh, Scotland (homepages.inf.ed.ac.uk/hmueller/presdb07).

2nd IST Workshop on Metadata Management in Grid and P2P systems (MMGPS'04) - Models, Services and Architectures, with A. Poulouvasilis, 17th December 2004, University of London (www.ics.forth.gr/isl/ist_workshop/mmgps04/index_04.htm).

1st IST Workshop on Metadata Management in Grid and P2P systems (MMGPS'03) - Models, Services and Architectures, with A. Poulouvasilis, 16th December 2003, University of London (www.ics.forth.gr/isl/ist_workshop/mmgps03/index_03.htm).

6th International Workshop on the Web and Databases (WebDB'03), with J. Freire, San Diego, California, USA, June 12-13, 2003 (www.webdb03.gr).

1st International Workshop on the Semantic Web: Models, Architectures and Management (SemWeb'00), with D. Plexousakis and P. Constantopoulos, 21 September 2000, Lisbon, Portugal (www.ics.forth.gr/isl/SemWeb/).

Tutorial Chair

22nd IEEE Symposium on Computers and Communications (ISCC17), avec A. Iossifides et M. Erol-Kantarci, 03 - 06 July 2017, Heraklion, Crete, Greece (www.ics.forth.gr/iscc2017)

Program Committee Member

Int'l ACM SIGMOD Conference, 2003.
Int'l Conference on Very Large Databases (VLDB), 2009, 2005, 2003 & 2002.
IEEE Data Engineering Conference (ICDE), 2019, 2018.
Int'l Conference on Extending Database Technology (EDBT) 2019, 2016, 2013, 2009, 2008, 2006 & 2004.
Int'l World Wide Web Conference (WWW), 2008, 2006, 2005, 2004 & 2002.
Int'l Conference on Information and Knowledge Management (CIKM) 2016, 2015 & 2014.
Int'l Conference on Knowledge Discovery & Data Mining (KDD), 2006.
Int'l Conference on Automata Languages & Programming (ICALP) 2013.
European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML PKDD), 2014, 2011.
Int'l Semantic Web Conference (ISWC), 2012, 2007, 2003, 2002.
Extended Semantic Web Conference (ESWC), 2013.
Int'l Conference on Web Information Systems (WISE), 2011, 2010 & 2004.
Int'l Conference on Web Engineering (ICWE), 2004.
IEEE International Conference on Web Services (ICWS), 2006 & 2005.
Int'l East-European Conference on Advances in Databases and Information Systems (ADBIS), 2006.
Int'l Conference on Management of Data (COMAD), 2004.
European Conference on Digital Libraries (ECDL), 2010, 2003 & 1999.
Int'l Conf. on Ontologies, Databases and Applications of Semantics (ODBASE), 2007, 2006 & 2002.
Int'l Conf. on Model & Data Engineering (MEDI), 2011.
Int'l Conf. on Signal Image Technology & Internet Based Systems (SITIS), 2011.
Int'l Conference on Semantics of a Networked World: Semantics for Grid Databases (ICSNW), 2004.
Int'l Symposium on Applications and the Internet (SAINT), 2004.
Int'l Conference on Current Trends in Theory and Practice of Computer Science (SOFSEM), 2010.
ACM Symposium on Applied Computing (SAC), Web Technologies & Applications Track, 2004.
Int'l XML Database Symposium (XSym), 2004.
Int'l Conference on Management of Emergent Digital EcoSystems (MEDES) 2012 & 2011.
Int'l FLAIRS Conference, Semantic Web Track, 2002.
EuroWeb Conference, 2002.
Int'l Workshop on Semantic Web Information Management (SWIM), 2014
Int'l Workshop on Data and Services Management in Mobile Environments (DS2M), 2008.
Int'l Workshop on Resilient and Secure IoT for Health (IoT4Health), 2019.
IFIP/IEEE Int'l Workshop on Analytics for Network and Service Management (AnNet17) May 8, 2017 in Lisbon, Portugal.
1st Int'l Workshop on Keyword-based Access and Ranking at Scale (KARS), collocated with EDBT2017, Venice, Italy.
10th DELOS Thematic Workshop on Personalized Access, Profile Management, and Context Awareness in Digital Libraries (PersDL) 2007.
Int'l Workshop on Personalized Access, Profile Management, & Context Awareness in Databases (PersDB) 2009.
Int'l Workshop on Information Search, Integration and Personalization (ISIP), 2012.
Int'l Workshop on the Web and Databases (WebDB), 2010 & 2009, 2001.
Int'l Workshop on Web Information and Data Management (WIDM), 2007.
Int'l Workshop on Semantic Search over the Web (SSW), 2011.
Int'l Workshop on Data Engineering meets the Semantic Web (DESWeb), 2010.
Int'l Workshop on E-Services and the Semantic Web (ESSW), 2003.
Int'l Workshop on Peer-to-Peer Computing & DataBases (P2P&DB), 2004.
Int'l Workshop on Semantic Intelligent Middleware for the Web and the Grid (SIMWebGrid), 2004.
Int'l Workshop on Semantic Digital Archives (SDA) 2012.
Int'l Workshop on Resource Discovery (RED), 2011.
IEEE/IFIP Int'l Workshop on Analytics for Network and Service Management (AnNet), 2017.

Int'l Workshop on Building Technology Enhanced Learning solutions for Communities of Practice (TEL-CoPs), 2007 & 2006.

Int'l Workshop on Application & Security Services in Web Pervasive Environments (ASWAN), 2007.

Int'l Workshop on Multi-agent systems and Peer-to-Peer Computing at the Autonomous Agents and Multi-Agent Systems (AAMAS), 2002.

Int'l Workshop on Foundations of Models and Languages for Data and Objects: Databases, Logic and Semistructured Data (FMLDO), 2002.

Mediterranean International Conference on Computer Technologies (MICCT), 1999.

Hellenic Data Management Symposium (HDMS), 2002-2019 (every year).

Journées Bases de Données Avancées (BDA), 2009, 2001 & 1998.

Editorial Review Board Member

MDPI Open Access Journal of Internet of Things (IoT) June 2018- present.

MDPI Open Access Journal of Future Internet February 2018- present.

International Journal on Semantic Web and Information Systems (IJSWIS), Jan 2007 - 2014.

Guest Editor

Special Issue on Scalability and Performance of Semantic Web Systems IJSWIS 5(2) 2009.

Journal Referee

Communications of ACM (CACM), ACM Transactions on Database Systems (TODS), ACM Transactions on Information Systems (TOIS), ACM Transactions on Internet Technology (TOIT), Transactions on Internet of Things (TIOT), VLDB Journal, IEEE Internet of Things Journal IEEE (IoT-J), Transactions on Knowledge and Data Engineering (TDKE), Journal on Distributed and Parallel Systems (DPS), Springer Int'l Journal Knowledge and Information Systems (KAIS), IEEE Intelligent Systems Journal, Int'l Journal on Digital Libraries (JDL), Int'l Journal of Cooperative Information Systems (IJCIS), Int'l Journal of Information Technology (IJIT), Int'l Journal of Semantic Web & Information Systems (IJSWIS), Elsevier Int'l Journal of Information Systems (IS), Elsevier Journal of Web Semantics (JWS), Elsevier Int'l Journal of Computer Networks and ISDN Systems, Theory and Practice of Object Systems (TAPOS), Int'l Journal on Universal Access in the Information Society (UAIS).

Conference/Workshop Referee

IEEE Data Engineering Conference (ICDE), 2005.

Int'l Joint Conference on Artificial Intelligence (IJCAI), 2003.

ACM SIGACT-SIGMOD-SIGART Symposium on Principles of Database Systems (PODS), 2003.

ACM SIGMOD Conference, 1997 & 1996.

Int'l Workshop on Database Programming Languages (DBPL), 2001.

Hellenic Conference on Artificial Intelligence (SETN), 2006 & 2002.

Expert in Scientific Programs

General Secretariat for Research and Technology, 2010 (Action Support of New Enterprises in Research and Development Activities-ESPA) Member of the Reviewing Board

Netherlands Organization for Scientific Research (NWO), 2010 (Physical Sciences)

Agence National de la Recherche (ANR) France, 2012, 2009, 2008 (PROGRAMME BLANC)

Projects Committee INRIA Lille – Nord Europe and IRISA 2014, 2015.

INRIA International Cooperation Projects France/US, 2005 (GEMSAD project)

Ph.D. Committees

Ph.D. Thesis of Giorgos Borboudakis, Univ. of Crete, 2018 (examination committee member)

Ph.D. Thesis of Maria Koutraki, University PARIS-SACLAY, 2016 (external reviewer)

Ph.D. Thesis of Charalampos Nikolaou, Univ. of Athens, 2015 (member of the supervision committee)

Ph.D. Thesis of Sofia Triantafillou, Univ. of Crete, Heraklion, 2015 (examination committee member)

Habilitation Thesis François Goasdoué, Université Paris-Sud, 2012 (external reviewer)

Ph.D. Thesis of Myriam Ben Saad-Paris 6-LIP6, 2011 (external reviewer)

Ph.D. Thesis of Z. Kaloudi, Univ. of Athens, 2011 (examination committee member)

Ph.D. Thesis of C. Stefanidis, Univ. of Ioannina, 2009 (examination committee member)

Ph.D. Thesis of V. Tsiaras, Univ. of Crete, Heraklion, 2009 (examination committee member)

Ph.D. Thesis of G. Koloniari, Univ. of Ioannina, 2003-2008 (member of the supervision committee)

Ph.D. Thesis of K. Kritikos, Univ. of Crete, Heraklion, 2008 (examination committee member)

Ph.D. Thesis of S. Souldatos, NTUA, Athens, 2008 (examination committee member)

Ph.D. Thesis of F. Alkhateeb, Univ. Joseph Fourier - Grenoble 1, 2008 (external reviewer)

Ph.D. Thesis of I. Sebei, CNAM, Paris, 2007 (examination committee member)

Ph.D. Thesis of G. Flouris, Univ. of Crete, Heraklion, 2006 (examination committee member)

Ph.D. Thesis of G. Koutrika, Univ. of Athens, 2005 (examination committee member)

- Ph.D. Thesis of Tuan Anh T α , ENST, Paris, 2005 (external reviewer)
 Ph.D. Thesis of T. Dalamangas, NTUA, Athens, 2004 (examination committee member)
 Ph.D. Thesis of B. Nguyen, Univ. Paris XI (Orsay), 2003 (external reviewer)
 Ph.D. Thesis of Y. Tzitzikas, Univ. of Crete, Heraklion, 2002 (examination committee member)

Faculty Evaluation Committees

- 2017 University of Crete, «Machine Learning with focus on Bioinformatics»
 2016 University of Cergy-Pontoise, MCF 4234 position on «Big Data».
 2015 School of Information and Communication Technologies, University of Piraeus, «Methodologies and Architectures of Service-oriented Information Systems»
 2013 Department of Informatics & Telecommunications Engineering, Faculty of Engineering, University of Western Macedonia, «Intelligent Systems»
 2013 Computer Science Department, University of Ioannina, «Software Technology»
 2013 Computer Science Department, University of Ioannina, «Database Systems»
 2011 Computer Science Division, School of Electrical and Computer Engineering, NTUA, «Data Management in Distributed Environments»
 2010 Department of Informatics, University of Piraeus «Net-centric Computing Systems»
 2010 Department of Informatics, Ionian University «Net-centric Information Systems»
 2010 Department of Digital Systems, University of Piraeus «Methodologies and Architectures of Service-oriented Information Systems»
 2010 Department of Informatics, University of Athens «Software Systems for the WWW (Search Engines, Crawling, Hidden/Deep Web, Social Networks, Tagging, Annotation and Ranking Systems)»
 2004 Department of Computer Science, University of Crete, «Information Systems»

Advisor/Consultant

Consultant to AM² Systems, Paris, France (2003-2004)

Technicolor, Committee Member

Board of Distinguished Scientists (2013-2014)

Univ. of Crete Department of Computer Science, Committee Member

- Research Committee of University of Crete –vice member (2011-2012)
 National Academic Recognition Information Center (NARIC) – vice member of the board of directors section new technologies (2010-2012)
 ERASMUS students advisory committee and academic recognition of courses – member (2008-2013)
 France-Greece Graduate Studies Program CSD/Paris XI/Josef Fourier Grenoble–coordinator (2008-2010)
 Senate of Univ. of Crete- member (2003-2004)
 Undergraduate Studies Program - member (2002-2006)

SABBATICALS AND STUDY LEAVES

- (March 2011) Visiting Professor, Laboratoire d'Informatique de Paris 6, France
- (February 2011) Visiting Professor, Informatics Department, Université de Cergy-Pontoise, France
- (June 2010) Visiting Professor, CNAM Paris, France
- (June 2009) Visiting Professor, CNAM Paris, France
- (January 2009) Visiting Professor, Laboratoire d'Informatique de Paris 6, France
- (June-July 2008) Visiting Professor, Laboratory for Computer Science, Université Paris-Sud, France
- (May-June 2008) Visiting Professor, Département Maths-Info, Université Paris-Dauphine, France
- (March-April 2008) Visiting Professor, CNAM Paris, France
- (January- February 2008) Visiting Scientist, INRIA Saclay, France
- (December 2007) Visiting Professor, Department of Computer Science, University of Cyprus
- (September-November 2007) Visiting Professor, Laboratory for Foundations of Computer Science, University of Edinburgh, UK
- (February 2006) Visiting Professor, Laboratory for Computer Science, Université Paris-Sud, France
- (June 2002) Visiting Professor, CNAM Paris, France
- (June-July 2001) Visiting Scientist, Network Data and Services Group, Lucent Bell-Labs, US
- (July 2000) Visiting Scientist, Network Data and Services Group, Lucent Bell-Labs, US
- (March-June 2000) Visiting Professor, Computer Science and Engineering Department, University of California, San Diego, US

POST-DOCTORAL FELLOWS

- Kostas Stefanidis (January 2013-June2016): «Data Web Processing» FORTH-ICS

Ph.D. STUDENTS

- Vassilis Efthimiou (February 2013-September 2017): «*Entity resolution in the Web of Data*» University of Crete
- Sofia Kleisarchaki (October 2013-November 2016): «*Difference Analysis in Big Data: Exploration, Explanation, Evolution*» cotutelle between University of Crete & University of Joseph Fourier - Grenoble (co-supervisor Sihem Amer-Yahia)
- Nelly Vouzoukidou (October 2011-September 2015): «*Continuous top-k Queries over Real-time Web Streams*» University Pierre et Marie Curie (UPMC) (co- supervisor Bernd Amann)

M.Sc. STUDENTS

Univ. of Crete

Aleka Seliniotaki	March 2015	<i>Stream Correlation Monitoring for Uncertainty-Aware Data Processing Systems</i>
Michalis Hortis	June 2014	<i>Repairing DL-Lite Knowledge Bases</i>
Sofia Kleisarxaki	October 2012	<i>A Methodological Framework for Statistical Analysis of Social Media Texts</i>
Nelly Vouzoukidou	November 2011	<i>Evaluating Continuous Top-k Queries over Text Streams</i>
Petros Tsialamanis	September 2011	<i>Heuristic-based SPARQL optimization over Column-Store DBMS</i>
Harry Kourdounakis	January 2011	<i>Subscription Indexes for Web Syndication Systems</i>
Yannis Roussakis	December 2010	<i>A Preference-Based Repairing Framework for Curated Knowledge bases</i>
Vicky Papavasileiou	December 2009	<i>High-level Ontology Change Detection</i>
Panagiotis Padiaditis	December 2008	<i>Querying and Updating RDF/S Named Graphs</i>
Georgia Kitsiou	March 2008	<i>Data Quality Metrics in RDF-based PDMS</i>
Dimitris Zeginis	March 2008	<i>On Computing Deltas between RDF Knowledge Bases</i>
Vassilis Tsisparas	March 2008	<i>Trial & Error: Data Transformation and Provenance techniques in Scientific Workflows</i>
Dimitris Andreou	December 2007	<i>Semantic Web Middlewares and Versioning Services</i>
Yannis Theoharis	February 2007	<i>On Power Laws and the Semantic Web</i>
Yannis Kapantaidakis	January 2007	<i>Rewriting Algorithms for Qualitative Preferences Queries</i>
Stavros Saxtouris	April 2006	<i>RUL: a Declarative Language for Updating RDF Data</i>
Despoina Antonakaki	April 2006	<i>The MineBioText system: Discovery of Gene, Protein and Disease Correlations</i>
Lefteris Sidirourgos	November 2005	<i>Query Routing and Planning in a Peer Data Management System</i>
Giorgos Kokkinidis	July 2005	<i>Semantic Query Routing and Planning in Peer-to-Peer Database Systems: The SQPeer Middleware</i>
Miltos Stratakis	June 2005	<i>A Functional Model for Qualitative Preferences</i>
Giorgos Serfiotis	March 2005	<i>Integrating Relational Databases on the Semantic Web</i>
Ioanna Koffina	February 2005	<i>Integrating XML data sources using RDF/S Schemas: The ICS-FORTH Semantic Web Integration Middleware (SWIM)</i>
Stamatis Karvounarakis	March 2004	<i>Flexible E-Services Composition Middleware</i>
Xaris Gikas	February 2004	<i>Authentication/Authorization Mechanisms for Scientific E-Services</i>
Nikos Athanasis	February 2004	<i>Semantic Web Portlets</i>
Giorgos Zaxaroudiakis	November 2003	<i>Smart Service Discovery Protocols for Personal Area Networks Bluetooth</i>
Manolis Stamatogianakis	November 2003	<i>Architectures of Personal Area Networks using Bluetooth technology</i>
Sotiris Tourtounis	January 2003	<i>Encoding Schemes for Semantic Web Schemas</i>
Aimilia Maganaraki	November 2002	<i>View Definition on RQL Databases</i>
Irini Giannoulia	April 2001	<i>Designing Cultural Web Sites: The case of the Historical Museum of Crete</i>
Vasso Partsanaki	February 2001	<i>An XML Schema Generator from the Conceptual Reference Model of ICOM/CIDOC</i>
Grigoris Karvounarakis	October 2000	<i>Querying RDF metadata for Community Web Portals</i>
Sofia Alexaki	October 2000	<i>Storing RDF metadata for Community Web Portals</i>
Katerina Tolliou	October 1998	<i>Design and Development of an SIS/WWW Gateway</i>
Tasos Kementsietsidis	June 1998	<i>Development of an SGML parser using LEX/YACC</i>
Yannis Velegrakis	June 1998	<i>Querying Heterogeneous and Distributed Data Sources using Z39.50</i>

INRIA, France

Jerome Simeon September 1995 *Coupling a Full Text Index System with O2*
Leonid Lebas September 1995 *Development of a multi-format Report Generator for O2*

INVITED TALKS/PRESENTATIONS

- "Detecting Outliers in IoT Data Streams", Invited Talk at SystemX seminar, 14 March 2019.
- "IoT Data Analytics", Invited Tutorial at the French Database Community (BDA) Summer School on *Scalable Data Analytics* Aussois, Modane June 17-22, 2018.
- "Web-scale Blocking, Iterative and Progressive Entity Resolution", with K. Stefanidis, V. Efthymiou ICDE 2017.
- "Web-scale Entity Resolution", Invited lecture at the 3rd EGC Winter School (Ecole EGC), 23 & 24 January 2017; Grenoble, France.
- "Resolving Entities in the Web of Data: Concepts, Algorithms and Systems", International Summer School on Web Science and Technology (WebST 2016) Bilbao, Spain, 18-22 July 2016, co-organized by Deusto and Rovira i Virgili University (Invited Tutorial). <http://grammars.grlmc.com/webst2016/>
- "Improving Quality and Scalability in Semantic Data Management", with O. Corcho, V. Efthymiou, V. Ermolayev, A. Harth, L.D. Ibáñez, N. Keberle, K. Stefanidis, I. Tachmazidis. ESWC 2016.
- "Data Analytics for the Quantified-Self: A Personal Viewpoint of Social-Cyber-Physical Systems and Big Data" NII Social Cyber Physical Systems for the Optimization of Social System Services Tokyo February 27th 2014 (Invited talk)
- "Entity Resolution in the Web of Data" with K. Stefanidis, V. Efthymiou, and M. Herschel at WWW 2014 (Tutorial Lectures) <http://www2014.kr/program/accepted-tutorials/>
- "Entity Resolution in the Web of Data" with K. Stefanidis, V. Efthymiou, and M. Herschel at CIKM 2013 (Tutorial Lectures) <http://www.csd.uoc.gr/~vefthym/er>
- "Preserving Linked Data: Challenges and Opportunities" Invited Talk at 3rd ESWC Summer School, 2-7 September 2013, Kalamaki, Crete, Greece. videolectures.net/eswc2013_christophides_linked_data
- "Making Open/Linked Data Diachronic" at PRELIDA Opening Workshop (Invited talk) Tirrenia, June 25th - 27th, 2013 <http://prelida.isti.cnr.it/opening/index.php?content=4>
- "Introduction to the Data Web vision and initiatives" at Open data series of tutorials (Inaugural talk) on Models, Languages and Tools for the Data Web at LIP6, Paris, May 29-31, 2013.
- "Data Management Perspectives": Panel at HDMS'11 Athens 19/06/2011. Moderator: Timos Sellis. Invited Panelists: Vassilis Vassalos, Alkis Polyzotis, Stratos Idraios, Vassilis Christophides.
- "Reflections on the Claremont Report on Database Research": Panel at HDMS'08 Heraklion, Crete 07/2008. Moderator: Yannis Ioannidis. Invited Panelists: Minos N. Garofalakis, Peter Triantafillou, Timos Sellis, Vassilis Christophides.
- "From Semistructured/XML Data to the Semantic Web", HDMS'04 (keynote talk).
- "E-services: a look behind the curtain", with R. Hull, M. Benedikt, J. Su, PODS'03 (invited talk).
- "The Semantic Web: Myths and Reality", with D. Plexousakis, M. Scholl, V. Tannen, Onassis Lectures 2003 (Distinguished Lecturer Series).
- "System Infrastructure for Digital Libraries: A Survey and Outlook", with C. Nikolaou, EDBT'99 Summer School (Tutorial Lectures).

PUBLICATIONS

A. Refereed Journals

1. I. Tsamardinos, G. Borboudakis, P. Katsogridakis, P. Pratikakis, V. Christophides "A greedy feature selection algorithm for Big Data of high dimensionality". *Machine Learning Journal*, pp 1–54, August 2018.
2. V. Efthymiou, K. Stefanidis, V. Christophides. "Benchmarking Blocking Algorithms for Web Entities", *IEEE Transactions on Big Data* Volume: PP, Issue: 99. June 2016
3. F. Geerts, T. Unger, G. Karvounarakis, I. Fundulaki, V. Christophides. "Algebraic Structures for Capturing the Provenance of SPARQL Queries". *Journal of the ACM (JACM)* Volume 63 Issue 1, March 2016.
4. Z. Hmedeh, H. Kourdounakis, V. Christophides, C. du Mouza, M. Scholl, N. Travers. "Content-Based Publish/Subscribe System for Web Syndication". *J. Comput. Sci. Technol.* 31(2): 359-380, 2016.
5. G. Tzagkarakis, A. Seliniotaki, V. Christophides, P. Tsakalides. "Uncertainty-Aware Sensor Data Management & Early Warning for Monitoring Industrial Infrastructures". *IJMSTR* 2(4):1-24, 2014.
6. N. Travers, Z. Hmedeh, N. Vouzoukidou, C. du Mouza, V. Christophides, Michel Scholl. "RSS feeds behavior analysis, structure and vocabulary". *IJWIS* 10(3): 291-320, 2014.
7. V. Papavassiliou, G. Flouris, I. Fundulaki, D. Kotzinos, V. Christophides. "High-Level Change Detection in RDF/S KBs". *ACM Trans. Database Syst.* 38(1): 1, 2013.

8. G. Flouris, G. Konstantinidis, G. Antoniou and V. Christophides. "Formal Foundations for RDF/S KB Evolution". Knowledge and Information Systems (KAIS), Springer. 2012.
9. Y. Theoharis, G. Georgakopoulos, V. Christophides. "PowerGen: A Power-Law Based Generator of RDFS Schemas". Information Systems – Elsevier, 37(4): 306-319, 2012.
10. Y. Theoharis, I Fundulaki, G. Karvounarakis, and V. Christophides. "On Provenance of Queries on Semantic Web Data". In IEEE Internet Computing 15(1): 31-39, 2011.
11. D. Zeginis, Y. Tzitzikas, V. Christophides. "On Computing Deltas of RDF/S Knowledge Bases". In ACM Transactions on the Web (TWEB) 5(3): 14, 2011.
12. Y. Theoharis, Y. Tzitzikas, D. Kotzinos, V. Christophides. "On Graph Features of Semantic Web Schemas". IEEE Transactions On Knowledge And Data Engineering (TKDE), 20(5), May 2008.
13. L. Sidirourgos, G. Kokkinidis, T. Dalamagas, V. Christophides, T. Sellis. "Indexing Views to Route Queries in a PDMS". Journal of Distributed and Parallel Databases (DPD), 23(1), February, 2008.
14. Y. Tzitzikas, V. Christophides, G. Flouris, D. Kotzinos, H. Markkanen, D. Plexousakis, N. Spyratos. "Emergent Knowledge Artifacts for Supporting Triological E-Learning". International Journal of Web-based Learning and Teaching Technologies (IJWLTT), 2(3), pp 19-41, July-September 2007.
15. I. Koffina, G. Serfiotis, V. Christophides, V. Tannen. "Mediating RDF/S Queries to Relational and XML Sources", International Journal on Semantic Web & Information Systems (IJSWIS), 2(4), pp 68-91, October - December 2006.
16. A. Magkanaraki, V. Tannen, V. Christophides, D.Plexousakis. "Viewing the Semantic Web Through RVL Lenses". Journal on Web Semantics: Science, Services and Agents on the World Wide Web (JWS), Vol. 1(4), pp 359-375, 2004.
17. V. Christophides, G. Karvounarakis, D. Plexousakis, Michel Scholl, S. Tourtounis. "Optimizing Taxonomic Semantic Web Queries Using Labeling Schemes". Journal of Web Semantics: Science, Services and Agents on the World Wide Web (JWS), 1(2), 2004.
18. G. Karvounarakis, A. Magkanaraki, S. Alexaki, V. Christophides, D. Plexousakis, M. Scholl, K. Tolle. "Querying the Semantic Web with RQL". Journal of Computer Networks and ISDN Systems, Vol. 42(5), pp 617-640, August 2003.
19. J. Robie, L. M. Garshol, S. Newcomb, M. Biezinski, M. Fuchs, L. Miller, D. Brickley, V. Christophides, G. Karvounarakis. "The syntactic Web: Syntax and semantics on the Web". Journal of Markup Languages: Theory and Practice, 3(4), pp 411-440, 2001.
20. Y. Velegrakis V. Christophides, P. Constantopoulos. "On Z39.50 Wrapping and Description Logics". International Journal of Digital Libraries (JDL) 3(3), pp 208-220 October 2000.
21. A. Michard, V. Christophides, M. Scholl, M. Stapleton, D. Sutcliffe, A-M. Vercoustre. "The Aquarelle Resource Discovery System". Journal of Computer Networks and ISDN Systems 30(13), pp 1185-1200, August 1998.
22. S. Abiteboul, S. Cluet, V. Christophides, T. Milo, G. Moerkotte, J.Simeon. "Querying Documents in Object Databases". International Journal of Digital Libraries (JDL), 1(1), pp 5-19, April 1997.

B. Other Journals/Bulletins

1. V. Christophides, T. Palpanas. "Report on the First International Workshop on Personal Data Analytics in the Internet of Things (PDA@IOT)". SIGMOD Record V. 44, N. 1, March 2015
2. Z. Hmedeh, H. Kourdounakis, V. Christophides, C. du Mouza, M. Scholl, N. Travers. "Techniques d'indexation de souscriptions pour la syndication web". Journal Ingénierie des Systèmes d'Information 18(4): 33-58, 2013.
3. J. Creus, B. Amann, V. Christophides, N. Travers, D. Vodislav. "RoSeS: Un moteur de requêtes continues pour la syndication RSS à large-échelle". Journal Ingénierie des systèmes d'information, 2012 Lavoisier.
4. V. Christophides, J. Heflin. "Editorial Special Issue on Scalability and Performance of Semantic Web Systems". IJSWIS 5(2) 2009
5. V. Christophides, P. Buneman. "Report of the First International Workshop on Database Preservation (PresDB)". SIGMOD Record 36(3), pp 55-58, September 2007.
6. K. Keenoy, A. Poulouvasilis, V. Christophides, G. Loizou, G. Kokkinidis, G. Samaras, N. Spyratos. "Report of the First International Workshop on Metadata Management in Grid and Peer-to-Peer Systems". SIGMOD Record 33(3), pp 96 – 100, September 2004.
7. V. Christophides, G. Karvounarakis, A. Magkanaraki, D. Plexousakis, V. Tannen. "The ICS-FORTH Semantic Web Integration Middleware (SWIM)". In Bulletin of the IEEE Technical Committee on Data Engineering, December 2003.
8. P. Constantopoulos, V. Christophides, D. Plexousakis. "Report of the First International Workshop on Semantic Web Workshop: Models, Architectures and Management". SIGMOD Record 30(3), pp 96-100, September 2001.

9. V. Christophides, R. Hull, A. Kumar, J. Simeon. "Workflow Mediation using VortexXML". In Bulletin of the IEEE Technical Committee on Data Engineering, 24(1), pp 40-45, March 2001.
10. C. Houstis, C. Nikolaou, S. Lalis, S. Kapidakis, V. Christophides, A. Tomasic, E. Simon. "Towards a Next Generation of Open Scientific Data Repositories and Services". In Special issue on Digital Libraries, CWI Quarterly (Centrum voor Wiskunde en Informatica), Amsterdam Netherlands, pp 111-132, Vol. 12(2), June 1999.
11. V. Christophides, S. Cluet, G. Moerkotte, J. Simeon. "Optimizing Generalized Path Expressions Using Full Text Indexes". In Networking and Information Systems Journal, Jean Ferrie and Jean-Pierre Girardin Editors, Vol. 1(1-2), pp 177-194, 1998, Hermes.

C. Books, Book Chapters and Encyclopedias

1. S. Amer-Yahia, T. Palpanas, M. Tsytsarau, S. Kleisarchaki, A. Douzal, V. Christophides. "Temporal Social Media Analytics". In Encyclopedia of Database Systems, Springer-Verlag 2018.
2. V. Christophides, V. Efthymiou, K. Stefanidis. "Entity Resolution in the Web of Data". Morgan & Claypool 2015.
3. G. Karvounarakis, I. Fundulaki, V. Christophides. "Provenance for Linked Data". In Search of Elegance in the Theory and Practice of Computation LNCS Volume 8000, 2013, pp 366-381.
4. C. Richter, H. Allert, V. Tchoumatchenko, I. Furnadziev, T. Vasileva, D. Kotzinos, G. Flouris, V. Christophides. "A Pragmatic Approach to Collaborative Semantic Modeling: The Visual Modeling (Language) Editor". In "Collaborative Knowledge Creation: Practices, Tools, Concepts". Anne Moen, Anders Morch, & Sami Paavola (Eds.) Sense Publishers, 2012.
5. M. Doerr, A. Kritsotaki, D. Kotzinos, V. Christophides. "Reference Ontology for Knowledge Creation Processes". In "Collaborative Knowledge Creation: Practices, Tools, Concepts". Anne Moen, Anders Morch, & Sami Paavola (Eds.) Sense Publishers, 2012.
6. C. Richter, E. Simonenko, T. Sugibuchi, N. Spyratos, F. Babic, J. Wagner, J. Paralic, M. Racek, C. Damşa, V. Christophides. "Mirroring Tools for Practice Transformation". In "Collaborative Knowledge Creation: Practices, Tools, Concepts". Anne Moen, Anders Morch, & Sami Paavola (Eds.) Sense Publishers, 2012.
7. Y. Tzitzikas, Y. Marketakis, V. Christophides. "Preservation of Intelligibility of Digital Objects". In D.G. Giarretta ed. Advanced Digital Preservation, Springer-Verlag, 2011.
8. V. Christophides. "Resource Description Framework Schema (RDFS)". Encyclopedia of Database Systems. Liu, Ling and Özsu, M. Tamer (eds). Springer-Verlag, 2009.
9. V. Christophides. "Towards RDF/S-based Data Management Systems". Special Edition of the Hellenic Artificial Intelligence Society, 2008 (online edition).
10. D. Kotzinos, G. Flouris, Y. Tzitzikas, D. Andreou, V. Christophides. "Supporting Evolution of Knowledge Artifacts in Web Based Learning Environments" In Solutions and Innovations in Web-Based Technologies for Augmented Learning: Improved Platforms, Tools and Applications, IGI Global 2008.
11. K. Keenoy, V. Christophides, G. Papamarkos, A. Poulouvasilis, D. Kotzinos, P. Rigaux, N. Spyratos, P. T. Wood. "Personalisation Services for Self e-Learning Networks" at "Learning Grid Handbook" edited by the Learning GRID SIG, IOS press, 2007.
12. G. Kokkinidis, L. Sidirourgos, V. Christophides. "Query Processing in RDF/S-based P2P Database Systems" at Semantic Web and Peer-to-Peer, S. Staab, H. Stuckenschmidt (eds.), Springer, 2006.
13. G. Antoniou, V. Christophides, D. Plexousakis. "Semantic Web Fundamentals". Encyclopedia of Information Science and Technology (V) pages 2464-2468, 2005.
14. G. Karvounarakis, A. Magkanaraki, S. Alexaki, V. Christophides, D. Plexousakis, M. Scholl, K. Tolle. "RQL: A Functional Query Language for RDF" at The Functional Approach to Data Management: Modelling, Analyzing and Integrating Heterogeneous Data, P.M.D. Gray, L. Kerschberg, P.J.H. King, A. Poulouvasilis (eds.), LNCS Series, Springer-Verlag, 2003.
15. V. Christophides. "Recherche Documentaire par Structure: une approche comparative entre SRI et SGBD". In "Le Traitement Electronique de Document", Jean-Claude Le Moal and Bernard Editors, pages 203-254, Aix en Provence, France, ADBS, October 1994.

D. Conference/Workshop Proc. Editor

1. S. Amer-Yahia, V. Christophides, A. Kementsietsidis, M. N. Garofalakis, S. Idreos, V. Leroy (Eds.): Proceedings of the 17th International Conference on Extending Database Technology (EDBT), Athens, Greece, March 24-28, 2014. OpenProceedings.org 2014
2. N. Schweikardt, V. Christophides, V. Leroy (Eds.): Proceedings of the 17th International Conference on Database Theory (ICDT), Athens, Greece, March 24-28, 2014. OpenProceedings.org 2014

3. K. S. Candan, S. Amer-Yahia, N. Schweikardt, V. Christophides, V. Leroy (Eds.): Proceedings of the Workshops of the EDBT/ICDT 2014 Joint Conference (EDBT/ICDT), Athens, Greece, March 28, 2014. CEUR Workshop Proceedings 1133, CEUR-WS.org
4. V. Christophides, D. Vodislav (Eds.): Proceedings of the 2nd International Workshop on Open Data (WOD), Paris, France, June 3, 2013. ACM
5. V. Christophides, C. Gutierrez, M. Collard (Eds.): Proceeding of the Joint ODBIS & SWDB workshop on Semantic Web, Ontologies, Databases (SWDB-ODBIS): Revised Selected Papers, University of Vienna, Austria, September 23-24, 2007, LNCS 5005 Springer-Verlag.
6. E. Bertino, S. Christodoulakis, D. Plexousakis, V. Christophides, M. Koubarakis, K. Bohm, E. Ferrari (Eds.): Proceedings of the 9th International Conference on Extending Database Technology (EDBT), Heraklion, Greece, March 14 - 18 2004, LNCS 2992, Springer-Verlag.
7. V. Christophides, J. Freire (Eds.): Proceeding of the Sixth International Workshop on the Web and Databases (WebDB). In conjunction with SIGMOD'03, June 12-13, 2003, San Diego, California.

E. Refereed Conferences

1. Vasilis Efthymiou, George Papadakis, Kostas Stefanidis, Vassilis Christophides MinoanER: Schema-Agnostic, Non-Iterative, Massively Parallel Resolution of Web Entities. In Proc. of the 22nd Inter. Conference on Extending Database Technology (EDBT) March 2019 Lisbon, Portugal.
2. V. Efthymiou, G. Papadakis, K. Stefanidis, V. Christophides. "Simplying Entity Resolution on the Web with Schema-agnostic, Non-iterative Matching". In Proc. of the 34th IEEE International Conference on Data Engineering (ICDE), April 16th – 20th 2018, Paris, France. Short Paper.
3. D. Da Hora, A. Asrese, V. Christophides, R. Teixeira, D. Rossi. "Narrowing the gap between QoS metrics and Web QoE using Above-the-fold metrics". In Proc. Of the International Conference on Passive and Active Network Measurement (PAM), pp 31-43, Mar 2018, Berlin, Germany.
4. V. Efthymiou, O. Hassanzadeh, M. Rodriguez-Muro, V. Christophides. "Matching Web Tables with Knowledge Base Entities: From Entity Lookups to Entity Embeddings". International Semantic Web Conference (1) 2017: 260-277
5. G. Poghosyan, I. Pefkianakis, P. Le Guyadec, V. Christophides. "Extracting usage patterns of home IoT devices". In Proc. of the IEEE Computer Society Symposium on Computers and Communications (ISCC), Heraklion, Greece, July 3-6, 2017.
6. K. Mirylenka, V. Christophides, T. Palpanas, I. Pefkianakis, M. May. "Characterizing Home Device Usage From Traffic Time Series". In Proc. of the 19th International Conference on Extending Database Technology (EDBT), Industrial Tract, March 15-18, 2016, Bordeaux, France.
7. V. Efthymiou, K. Stefanidis, V. Christophides. "Big Data Entity Resolution: From Highly to Somehow Similar Entity Descriptions in the Web". In Proc. of the 2015 IEEE International Conference on Big Data, Oct 29-Nov01, 2015, Santa Clara, CA, USA.
8. S. Kleisarchaki, S. Amer-Yahia, A. Douzal-Chouakria, V. Christophides. "Querying Temporal Drifts at Multiple Granularities". In Proc. of the 24th ACM International Conference on Information and Knowledge Management (CIKM), Oct 19-23 2015, Melbourne, Australia.
9. A. Seliniotaki, G. Tzagkarakis, V. Christophides, P. Tsakalides. "Stream Correlation Monitoring for Uncertainty-Aware Data Processing Systems". In Proc. 5th International Conference on Information, Intelligence, Systems and Applications (IISA), Chania Crete, Greece, July 7-9, 2014.
10. F. Geerts, G. Karvounarakis, V. Christophides, I. Fundulaki. "Algebraic Structures for Capturing the Provenance of SPARQL Queries". In Proc. of the 16th International Conference on Database Theory (ICDT), March 18-22, 2013, Genoa, Italy.
11. N. Vouzoukidou, B. Amann, V. Christophides. "Processing Continuous Text Queries Featuring Non-Homogeneous Scoring Functions". In Proc. of the ACM Conference on Information and Knowledge Management (CIKM), Maui Hawaii 2012.
12. Z. Hmedeh, H. Kourdounakis, V. Christophides, C. Du Mouza, M. Scholl, N. Travers. "Subscription Indexes for Web Syndication Systems". In Proc. of the 15th International Conference on Extending Database Technology (EDBT), March 26-30, 2012 Berlin, Germany.
13. P. Tsialiamanis, L. Sidirourgos, I. Fundulaki, V. Christophides, P. Boncz. "Heuristic based Query Optimisation for SPARQL". In Proc. of the 15th International Conference on Extending Database Technology (EDBT), March 26-30, 2012 Berlin, Germany.
14. Z. Hmedeh, N. Vouzoukidou, N. Travers, V. Christophides, C. du Mouza, M. Scholl, "Characterizing Web Syndication Behavior and Content". In Proc. of the 12th Int'l. Conf. on Web Information System Engineering (WISE), October 13 – 14, 2011, Sydney, Australia.
15. J. Creus, B. Amann, V. Christophides, N. Travers, and D. Vodislav, Optimizing large collections of continuous content-based RSS aggregation queries. 27^{èmes} Journées Bases de Données Avancées (BDA), 24-27 Octobre 2011, Rabat, Maroc.

16. V. Papavassiliou, G. Flouris, I. Fundulaki, D. Kotzinos and V. Christophides, "On Detecting High-Level Changes in RDF/S KBs" (Best Student Paper Award). In Proc of the 8th International Semantic Web Conference (ISWC), 25-29 October 2009, Washington, DC.
17. G. Flouris, I. Fundulaki, P. Padiaditis, Y. Theoharis, and V. Christophides, "Coloring RDF Triples to Capture Provenance". In Proc of the 8th International Semantic Web Conference (ISWC), 25-29 October 2009, Washington, DC.
18. G. Konstantinidis, G. Flouris, G. Antoniou, V. Christophides, "A Formal Approach for RDF/S Ontology Evolution". In Proc. of the 18th Conference on Artificial Intelligence (ECAI), July 21-25 2008, Patra, Greece.
19. P. Georgiadis, I. Kapantaidakis, V. Christophides, E. M. Nguer, N. Spyrtatos, "Efficient Rewriting Algorithms for Preference Queries". In Proc. of the 6th International Conference on Data Engineering (ICDE), April 7-12 2008, Cancún, México.
20. D. Zeginis, Y. Tzitzikas, V. Christophides, "On the Foundations of Computing Deltas between RDF Models". In Proc. of the 6th International Semantic Web Conference (ISWC) and the 2nd Asian Semantic Web Conference (ASWC), November 11-15 2007, Busan, Korea (*Best Paper Award*).
21. P. Georgiadis, V. Christophides, N. Spyrtatos, "Designing Personalized Curricula Based on Student Preferences". In Proc. of the 25th ACM International Conference on Design of Communication (SIGDOC), October 22-24 2007, El Paso, TX, USA.
22. Y. Theoharis, V. Christophides, G. Karvounarakis, "Benchmarking Database Representations of RDF/S Stores", In Proc. of the Fourth International Semantic Web Conference (ISWC), November 2005, Galway, Ireland, pp 685-701.
23. M. Magiridou, S. Sahtouris, V. Christophides, M. Koubarakis, "RUL: A Declarative Update Language for RDF", In Proc. of the Fourth International Semantic Web Conference (ISWC), November, 2005, Galway, Ireland, pp 506-521.
24. G. Serfiotis, I. Koffina, V. Christophides, V. Tannen, "Containment and Minimization of RDF/S Query Patterns", In Proc. of the Fourth International Semantic Web Conference (ISWC), November, 2005, Galway, Ireland, pp 607-623 (*Nominated for Best Paper Award*).
25. D. Kotzinos, S. Padiaditaki, A. Apostolidis, N. Athanasis, V. Christophides, "Online Curriculum on the Semantic Web: The CSD-UoC Portal for Peer-to-peer e-learning", In Proc. of the 14th International World Wide Web Conference (WWW), May 10-14, 2005, Chiba, Japan.
26. N. Athanasis, V. Christophides, D. Kotzinos, "Generating On the Fly Queries for the Semantic Web: The ICS-FORTH Graphical RQL Interface (GRQL)", In Proc. of the Third International Semantic Web Conference (ISWC), November, 2004, Hiroshima, Japan.
27. K. Keenoy, A. Poulouvassilis, V. Christophides, P. Rigaux, G. Papamarkos, A. Magkanaraki, M. Stratakis, N. Spyrtatos, P. Wood, "Personalisation Services for Self e-Learning Networks", In Proc. of the Fourth International Conference on Web Engineering (ICWE), July 2004, Munich, Germany.
28. A. Magkanaraki, V. Tannen, V. Christophides, D. Plexousakis, "Viewing the Semantic Web Through RVL Lenses", In Proc. of the Second International Semantic Web Conference (ISWC), October 20-23 2003, Sanibel Island, Florida, USA (*Best Paper Award*).
29. R. Hull, M. Benedikt, V. Christophides, J. Su "E-Services: a look behind the curtain". In Proc. of the Twenty-Second ACM SIGACT-SIGMOD-SIGART Symposium on Principles of Database Systems (PODS), June 9-12 2003, San Diego, CA, USA (*Invited Paper*).
30. V. Christophides, D. Plexousakis, M. Scholl, S. Tourtounis. "On Labeling Schemes for the Semantic Web", In Proc. of 12th Int'l World Wide Web Conf. (WWW), May 20-24 2003, Budapest, Hungary.
31. C. Houstis, S. Lalis, V. Christophides, D. Plexousakis, E. Vavalis, M. Pitikakis, K. Kritikos, A. Smardas, "A Data, Computation and Knowledge Grid: the case of the ARION system", In Proc. of the 5th Int'l Conference on Enterprise Information (ICEIS), April 23-26 2003, Angers, France.
32. A. Magkanaraki, S. Alexaki, V. Christophides, and Dimitris Plexousakis. "Benchmarking RDF Schemas for the Semantic Web". First International Semantic Web Conference (ISWC), June 9-12 2002, Sardinia, Italy (*Nominated for Best Paper Award*).
33. N. Spyrtatos, Y. Tzitzikas, V. Christophides. "On Personalizing the Catalogs of Web Portals", Special Track on Semantic Web at the 15th Int'l FLAIRS Conf., May 14-16 2002, Florida, USA.
34. G. Karvounarakis, S. Alexaki, V. Christophides, D. Plexousakis, M. Scholl. "RQL: A Declarative Query Language for RDF". In Proc. of the 11th International World Wide Web Conference (WWW), 7-11 May 2002, Honolulu, Hawaii, USA.
35. V. Christophides, R. Hull, A. Kumar. "Querying and Splicing of XML Workflows". In Proc. of the Sixth International Conference on Cooperative Information Systems (CoopIS), September 5-7 2001, Trento, Italy.

36. G. Karvounarakis, V. Christophides, D. Plexousakis, S. Alexaki. "Querying RDF Descriptions for Community Web Portals". In Proc. of the 17iemes Journees Bases de Donnees Avances - French Conference on Databases (BDA), Agadir, Maroc, 2001
37. V. Christophides, S. Cluet, J. Simeon. "On Wrapping Query Languages and Efficient XML Integration". In Proc. of the ACM SIGMOD Conf. on Management of Data (SIGMOD), May 2000, Dallas, Texas, pp 141-152 ACM Press.
38. Y. Velegrakis, V. Christophides, P. Constantopoulos. "Declarative Specification of Z39.50 Wrappers Using Description Logics". In Proc. of the 3rd European Conference on Digital Libraries (ECDL), September 1999, Paris, France, pp 381-402, Springer-Verlag.
39. V. Christophides, M. Doer, I. Fundulaki. "A Semantic Network Approach to Semi-Structured Document Repositories". In Proc. of the 1st European Conference on Digital Libraries (ECDL), September 1997, Pisa, Italy, pp 305-324.
40. V. Christophides, M. Dörr and I. Fundulaki. "The specialist seeks expert views: Managing digital folders in the AQUARELLE project". In Post Proc. of the International Conference on Museums and the Web 1997: Selected Papers.
41. V. Christophides, S. Cluet, G. Moerkotte. "Evaluating Queries with Generalized Path Expressions". In Proc. of the ACM SIGMOD Conference on Management of Data (SIGMOD), pp 413-422, Montreal, Quebec, Canada, ACM Press, June 1996.
42. V. Christophides, S. Abitebul, S. Cluet, M. Scholl. "From Structured Documents to Novel Query Facilities". In Proc. of the ACM SIGMOD Conference on Management of Data (SIGMOD), May 1994, Minnesota, pp 313-324, ACM Press.
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H. Other Publications

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CITATIONS

In overall, Vassilis Christophides received ~ 6000 citations according to Google Scholar¹ with a Hirsch's *h-index* 40. According to guide2research.com² he is ranked in the top-20 list of computer science scientists in Greece.

¹ According to the digital library scholar.google.com/citations?hl=en&user=KolmTncAAAAJ without excluding self-citations as well as other non peer-referred citations (update of February 2019) was retrieved through.

