

Curriculum Vitae

Of George Papastefanatos

1. Personal Info

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2. Education

- **February 2009:** Ph.D. Computer Science, School of Electrical and Computer Engineering, National Technical University of Athens (NTUA).
- **October 2000:** Diploma, School of Electrical and Computer Engineering, NTUA.

3. Research Overview, Highlights and Achievements

- **Big Data Systems and Data Services**
 - A main area of interest concerns **Entity resolution** in Big Data Integration settings, such as duplicate detection and entity interlinking. I have worked on **Blocking \ Meta-blocking** techniques, **Parallelization techniques** and **Machine Learning techniques in Entity resolution flows** for improving the performance and quality of the process. In this context, I have been involved in OpenAire project, where we have developed a scalable framework over Apache Spark for interlinking scholarly data.
 - My research has recently focused on end-to-end big data solutions for managing massive streams from IoT devices. I am project coordinator of an industry-funded project between **IMSI, Intracom Telecom and Ericsson** started in October 2017. IMSI has been contracted to design and develop a big data solution and machine learning methods for stream analytics on network data coming from IoT devices, such as autonomous cars. The solution is based on well-established big data platforms, i.e., Microsoft EventHubs, Cloudera Ecosystem, SPARK streaming and SPARK ML and enables the collection of vast amount of network measurement streams from connected devices, their scalable processing, analysis and storage and the visualization of several KPIs.
 - Finally, I participate in a EU-Funded COST Action, WISE-ACT, studying the wider implications of the deployment of autonomous and connected vehicles on existing road infrastructure in EU. My interest is on the adoption of novel cloud and data management technologies for online analytics and reaction to events.

- **Data Analytics.** An active direction in my research concerns the areas of Data visualization, Exploration and Visual Analytics. In this area:
 - A recent national project that I am coordinating, called VisualFacts, is related to self-service scalable visual analytics over big data. **Self-service visual analytics** is a new paradigm, widely promoted in modern corporate environments, in which business users are enabled and encouraged to directly manipulate (explore, blend, analyze) underlying data in rich visual ways, in order to derive insights from business information as quickly and efficiently as possible. The aim of VisualFacts is to develop a cloud-based scalable platform for providing self-service visual analytic capabilities to a wide range of non-corporate users to access, explore, analyze open and privately-held data and collaborate on the analytic results of their work by sharing, annotating and reusing them in the form of open facts.
 - Also, I am interested in **Data Exploration** techniques. I am collaborating with University of Ioannina, as a postdoc researcher, in a National project, called Ploigia, aiming at enabling efficient and interactive visual analysis of very large raw data files (e.g., csv, json, etc). Our system employs an in-memory data structure that addresses the visual needs and enables users to perform several visual exploration scenarios.
 - I have coordinated www.socioscope.gr a project that created a visual analysis tool, targeting primarily social scientists, for visualization and exploration of social and political data.
 - We have developed [GraphVizDB](#), a tool that enables the visualization and exploration of very large graphs.
- **Data Web**
 - An active line of ongoing work is in the area of **RDF Indexing** and **Query Processing in RDF stores**. We have developed a scalable approach for query processing of large RDF stores, based on a novel indexing technique, called Extended Characteristic Sets. We are working on distributed Query Processing approaches over these novel data structure.
 - I have also worked on **OLAP analytics on the Web**. We have developed an approach that employs data mining techniques and analyzes and detects relationships in OLAP data published on the web in the form of multidimensional data.
 - **Statistical Linked Data**. I have coordinated www.linked-statistics.gr , a project that makes available in the form of Linked Data, socio-economic and socio-demographic data, from the Hellenic Statistical Authority.
 - Web Data dynamics has been a primary focus of my research, involving problems related to **Linked Data Evolution & Archiving, Temporal & Change Modelling, Change Propagation** and **Synchronization, Proactive design, and Benchmarking**. I was actively involved in the [DIACHRON](#) project, which addressed many of the above issues.
 - Using data web technologies for creating and managing **Personal dataspace**s is an active research work. We have developed www.linkzoo.gr, a web-based, linked data enabled tool that supports collaborative management of information resources, enabling users to create and manage diverse types of resources into common spaces such as files, web documents, people, datasets and calendar events.
 - A recent project I have coordinated, deals with the **Semantic Representation of Legal Documents**. We have developed a framework for automatic Structuring and Semantic Indexing of Legal Documents, used in the [electronic library](#) of the Greek General Secretariat of Public Revenue (in Greek).
- **Open Science Cloud and Research Infrastructures**
 - I am the technical manager of an H2020 project, called [eInfraCentral](#), which will serve as the main catalogue and the single gateway for research services offered by e-Infrastructures in the upcoming European Open Science Cloud.
 - I designed in the context of an H2020 project, called [EOSCPilot](#), a framework that monitors Open Science trends and their impact on research and provides insights and KPIs to researchers, funders and academia.
- **Data-Centric Ecosystems, Database Quality Metrics**

- A long standing research interest is on Data-Centric Information Systems, and issues related to their schema evolution, the representation of dependencies and automatic repairing of syntactic and semantic inconsistencies due to maintenance operations. I am also interested in the evaluation of design quality metrics and the construction of design patterns for these environments. I have developed Hecataeus, which combines the representation and management of evolution processes into a powerful tool.

4. Work Experience

- **Jan 2009 - today:** Research Associate, *Information Systems Management Institute (IMSI), Research Center "ATHENA"*, Athens, Greece, Participation and Coordination of EU and national research projects.
- **Sep. 2016 – today:** IT Expert, *Northern Ireland Cooperation Overseas Ltd (NI-CO)*, Athens, Greece. Business Process Review and Improvements, Business/Functional Requirements, Technical Specifications and IT Strategy for the IS of the Single Agency for Social Insurance in Greece (EFKA). Business Process Review and Improvements, Business/Functional Requirements, Technical Specifications for the project "Capacity building and co-operation to support the creation and implementation of a unified collection system (UCS) of personal income tax (PIT) and social security contributions (SSCs) in Greece"
- **Apr.2006 – Dec. 2015** : External IT Expert, *National Statistical Service of Greece*, Athens, Greece, Consulting services regarding design and data management issues (performance optimization, ETL, interoperability) for the organization's information systems.
- **Jan. 2008 – Dec. 2009** : Project Coordinator, *Knowledge Society Ltd.* Development of e-diagnosis project.
- **Jan. 2005 – Dec. 2007** : Project Coordinator, *ETVA VI.PE. S.A.* (member of the Piraeus Bank Group of Companies specializing in real estate banking), Implementation of the company's CRM and the MIS for the administration of industrial areas.
- **Mar. 2006 – Dec. 2006** : Project Coordinator, *Greek Ministry of Education (EPEAEK Initiative)*, Implementation of the organization's information system for the management of EU-funded projects.
- **Sep. 2004 – June 2005** : Database Engineer, *Citibank* (Marketing Department), Database Engineer Migration and optimization issues for the RDBMS of the department.
- **Mar. 2004 – May 2004** : Software Engineer, *Semantix S.A.*
- **Sep. 2002 – Dec. 2003** : Software Engineer, *Institute of Communications and Computer Systems, System Engineer (ICCS)*. Participation in the "Thrace – Macedonia" research project.
- **June 2002 – June 2003** : Software Engineer, *Institute of Communications and Computer Systems, System Engineer (ICCS)*. Participation in the CONFIDENT research project (FP5-IST)
- **June 2002 – June 2003** : Technical Expert, *National Technical University of Athens*, Study for the support of ICT Courses in the School of Electrical and Computer Engineering (EPEAEK II).
- **Feb. 2002 – June 2002** : Project Coordinator, *EDISINET S.A.*, Development of the evaluation system for the HR department of SHELL Hellas.
- **Feb. 2002 – Mar. 2002** : Project Coordinator, *Carrefour S.A.*, Development of the company's HR database.
- **Nov. 2001 – Dec. 2001** : Software Engineer, *Intrasoft S.A.*, Development of the banking information system of the Hellenic Post S.A.
- **Jan. 2001 – Oct. 2001:** Software Engineer, *KEY Ltd.*

5. Teaching Experience

- **2018:** Adjunct Lecturer – "Technologies for the Management of Cultural Information" (Undergraduate course - University of Aegean - Department of Cultural Technology and Communication).

- **2009– 2011** : Adjunct Lecturer – “Databases” (Postgraduate course - University of Peloponnese - Department of Computer Science and Technology).
- **2007 –2008 & 2010-2011**: Adjunct Lecturer - “Analysis and Design of Database Management Systems” (Undergraduate course - Department of Information Systems Management, National School of Public Administration – 2nd semester).
- **2001 – 2007**: Teaching assistant –“Analysis and Design of Information Systems” (Undergraduate course, School of Electrical and Computer Engineering, NTUA - 9th semester).
- **2004 – 2007**: Seminar Instructor of Oracle technologies (PL/SQL, DBA, JDeveloper, etc.) – (Training Institute, National Center of Public Administration).
- **2002 – 2016**: NTUA, Co- supervision of the following Diploma Thesis.
 - F. Anagnostou:“HECATAEUS: Software System for Database Schema Representation and Evolution” (Knowledge and Database Systems Laboratory, School of Electrical and Computer Engineering, NTUA), 2007.
 - K. Kyzirakos:“ HECATAEUS: A framework for representing SQL constructs as graphs” (Knowledge and Database Systems Laboratory, School of Electrical and Computer Engineering, NTUA), 2005.
 - G. Riskas:“Factual Data Management System” (Knowledge and Database Systems Laboratory, School of Electrical and Computer Engineering, NTUA), 2003.
 - K. Karampelas:“Design and Development of a Document Indexing Framework with Composite Hierarchies based on XML” (Knowledge and Database Systems Laboratory, School of Electrical and Computer Engineering, NTUA), 2003.
- **2009 –** : RC ATHENA\IMSI, Supervision of the following Diploma Thesis.
 - D. Georgiou: “Publishing of spatiotemporal mobile data to linked data”. (Department of Informatics, University of Athens), 2016.
 - J.Kanakakis: “Linked Data Integration”, (School of Electrical and Computer Engineering, NTUA), 2013.
 - M.Skourla: “Linked Open Data Visualization”, (School of Electrical and Computer Engineering, NTUA), 2013.
 - S. Maroulis: “Development of a multi-tenant database management system”, (School of Electrical and Computer Engineering, NTUA), 2013.
 - N Varotsis: “Development of a web application system for national elections”, (Technological Education Institute Lamias), 2010.
- **2013 –** : RC ATHENA\ IMSI, Co-Supervision of the following PhD
 - M.Meimaris – PhD Candidate in University of Thessaly (Evolution and archiving of Linked RDF data)
 - G. Alexiou – PhD Candidate in National Technical University of Athens (Entity disambiguation and data interlinking)
 - S. Maroulis – PhD Candidate in National Technical University of Athens (Visual Analytics techniques)

6. Languages

- Greek (native), English (fluently), German (basic)

7. Participation in research projects

- **2018 -** : RC ATHENA \ IMSI, **Project Coordinator**, “Visual Facts - Democratizing Visual Analytics, A Self-Service Platform for Big Data Exploration”. 1st Call for Postdoc Research Projects - Hellenic Foundation for Research and Innovation (ELIDEK) – Accepted for funding.

- **2018 - :** RC ATHENA\IMSI, Senior Researcher, «MEDA2- Moving from Big Data Management to Data Science», Action“Reinforcement of the Research and Innovation Infrastructure”, Operational Programme "Competitiveness, Entrepreneurship and Innovation" (NSRF 2014-2020)
- **2018 - :** RC ATHENA\ IMSI, **Principal Investigator**, “Design and Development of the YouWeP platform”. Funded by National Centre for Social Research (EKKE) \ GSRT.
- **2018 - :** University of Ioannina, PostDoc Researcher, “Ploigia – Exploration and Visual Analytics for Big Raw Data”. Call “Scientific research support fund with emphasis in young researchers” \ General Secretariat for Research and Technology (GSRT).
- **2017 - :** RC ATHENA\ IMSI, **Project Coordinator** «Design and Development of Big Data infrastructure for the product Ericsson Device Analytics (EDA)». Funded by INTRACOM TELECOM S.A.
- **2017 - :** RC ATHENA\ IMSI, Senior Researcher «EOSCPilot- The European Open Science Cloud for Research Pilot Project». H2020 - e-Infrastructures.
- **2017 - :** RC ATHENA\ IMSI, **Principal Investigator**. “WISE-ACT Wider Impacts and Scenario Evaluation of Autonomous and Connected Transport”. EU COST ACTION.
- **2017 - :** University of Athens, Senior Researcher. «InfraCentral - European E-Infrastructure Services Gateway». H2020 - e-Infrastructures.
- **2016 - :** RC ATHENA\IMSI, Senior researcher, «KAME – Novel methods for the analysis and management of Big Data». Internal project RC ATHENA.
- **2016 - :** RC ATHENA\ IMSI, Senior Researcher, «SlideWiki - Large-Scale Pilots For Collaborative OpenCourseware Authoring, Multiplatform Delivery And Learning Analytics». H2020 – ICT - Technologies for better human learning and teaching.
- **2015 - :** RC ATHENA\IMSI, Senior Researcher, «OpenAIRE2020 - Open Access Infrastructure for Research in Europe towards 2020». H2020 - e-Infrastructures.
- **2015:** RC ATHENA\IMSI, **Project Coordinator**, «Electronic Library of the General Secretariat for Public Revenue». Public Tender, NSRF 2007-2013.
- **2013 - 2015:** RC ATHENA\IMSI, **Principal Investigator** «SoDaMap - Dynamic Management and Spatial Representation of Social and Demographic Data». Call “KRIPIS” \ GSRT.
- **2013 - 2015:** RC ATHENA\IMSI, Senior Researcher, «MEDA– Efficient Management for Big Data – Challenges, Methods and Techniques», Call “KRIPIS”\GSRT.
- **2013 - 2016:** RC ATHENA\IMSI, Senior Researcher, «DIACHRON – Managing the Evolution and Preservation of the Data Web», FP7 – IP.
- **2012 - 2015 :** RC ATHENA\IMSI, Senior Researcher and coordinator, «EICOS»: foundations for perSONalized Cooperative Information Ecosystems. Call “Thalis”\GSRT.
- **2011 - 2014:** RC ATHENA\IMSI, Senior Researcher «ARCOMEM – ARchiving Collective MEMories», FP7 – IP.
- **2011 - 2013:** RC ATHENA\IMSI, Senior Researcher and coordinator, «CAP - Common Airport Point». Call “Synergasia”\ GSRT.
- **2005 – 2006:** NTUA, Junior Researcher «Modeling, Optimization and Evaluation of workflows in data management applications». Call “Pithagoras II” \ GSRT.
- **2003 – 2004:** ICCS. Software Engineer, CONFIDENT Project, FP6-IST.
- **2002 – 2003:** ICCS. Software Engineer, “Thrace – Macedonia” research project.

8. Professional Activities

- **Guest Editor**
 - Elsevier Big Data Research Journal. Special Issue on Big Data Exploration, Visualization and Analytics.
- **Organizing committee**

- 1st International Workshop on Big Data Visual Exploration and Analytics (BigVis2018) in conjunction with EDBT/ICDT 2018 (Vienna, Austria)
- Workshop on Open Science Monitor in conjunction with Open Science Fair Conference (Athens, Greece 2017)
- 2nd International Workshop on Preservation of Evolving Big Data (DIACHRON 2016) in conjunction with EDBT 2016 (Bordeaux, France)
- **PC Member**
 - International Workshop on Machine learning, Optimization and Big Data – (MOD 2015, 2016, 2017, 2018)
 - International Workshop on Benchmarking Linked Data (BLINK 2017).
 - International Conference on Data Management Technologies and Applications (DATA'12,13,14,15,16, 17, 18)
 - International Workshop on Data Engineering meets the Semantic Web (DESWeb) In conjunction with ICDE 2016 , 2017, 2018
 - Workshop on Managing the Evolution and Preservation of the Data Web (MEPDaW 2015, 2016, 2017, 2018)
 - SEMANTiCS Conference (2017, 2018)
 - Hellenic Data Management Symposium (HDMS 2016, 2018)
 - International Conference on Advances in Databases, Knowledge, and Data Applications (DBKDA 2014, 2015)
 - European Conference for Information Technology in Agriculture, Food and the Environment (EFITA 2017)
 - 3rd Workshop on Hot Topics in Software Upgrades (HotSWUp'11) in conjunction with ICDE'11
- **Reviewer in international Journals**
 - The VLDB Journal
 - Elsevier - Information Systems (IS)
 - Elsevier - Information and Software Technology (IST)
 - Elsevier - Journal of Intelligent Information Systems
 - Elsevier - Big Data Research Journal
 - Emerald Insight - International Journal of Web Information Systems (IJWIS)
 - Korea Information Processing Society (KIPS) - Journal of Information Processing Systems
 - Springer - Journal of Software and Systems Modeling
 - Oxford Journals – The Computer Journal
 - Computer Science and Information Systems – ComSIS
 - Springer - Knowledge and Information Systems Journal
 - IOS Press - Semantic Web Journal
- **External Reviewer.** International Conference on Very Large Databases (VLDB), ACM International Conference on Management of Data (ACM SIGMOD), International Conference on Data Engineering (ICDE), ACM International Conference on Information and Knowledge Management (CIKM), International Conference on Business Process Management (BPM), International Conference on Data Warehousing and Knowledge Discovery (DaWaK), International Conference on Advanced Information Systems Engineering (CAISE), Panhellenic Conf. on Informatics (PCI).
- **Invited Talks & Keynotes**
 - **Apr. 2017.** «Visual Exploration in the Web of Data», Keynote speaker, In 8th International Workshop on Data Engineering meets the Semantic Web (DESWeb), April 22, 2017, in conjunction with ICDE 2017, San Diego, California.

- **Dec. 2016:** «Preparing for change», Panel speaker, In International Conference and Meeting “Acting on Change: New Approaches and Future Practices in Long term Digital Preservation” organized by Digital Preservation Coalition and PERICLES FP7 project, London UK.
- **Dec. 2016:** « Proactive data management - where are we now and where are we going?», Keynote speaker, In International Conference and Meeting “Acting on Change: New Approaches and Future Practices in Long term Digital Preservation” organized by Digital Preservation Coalition and PERICLES FP7 project, London UK.
- **Nov. 2015:** «Entity resolution for big data integration» MEDA Project Workshop.
- **Nov. 2015:** «Socioscope.gr: A web based platform for visual analysis of social data». Workshops at Technological University of Cyprus, University of Athens, and Aristotle University of Thessaloniki.
- **Nov. 2015:** «Linked-statistics.gr: Publishing Linked Statistical Open Data on the web». Workshops at Technological University of Cyprus, University of Athens, and Aristotle University of Thessaloniki.
- **Nov. 2013:** «Challenges and Opportunities in the Evolving Data web», Keynote speaker, In 1st International Workshop on Modeling and Management of Big Data (MoBiD), November 13, 2013, Hong Kong.
- **Feb. 2013.** «Managing the Evolution and Preservation of the Data Web». Presentation of the Diachron Project in the Open Data Day 2013, Athens, Greece.
- **Feb. 2010.** «Tutorial on schema evolution». DBLAB\NTUA.
- **Evaluator of Research Projects**
 - 2013-2015: Call «Support to enterprises for employing highly-skilled scientific personnel» - GSRT.
 - 2013-2015: Call «Supporting employment of research personnel in enterprises» - GSRT.
 - 2017-2018: Member of the Committee for the monitoring of the project: «Assignment of technical assistance under Presidential Decree 4/2002 and No. 51540 / EYSAAP 3628 (Government Gazette 1856 / 26.11.2010) for the creation of a web platform for the exploitation of research and innovation products and services under GSRT 's NSRF”.
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9. Awards and distinctions

- **2018:** Best Paper award for “Nikos Bikakis, Stavros Maroulis, George Papastefanatos, and Panos Vassiliadis "RawVis: Visual Exploration over Raw Data”. 22nd International Conference on Advances in Databases and Information Systems. September 2018, Budapest Hungary.
- **2015:** Best Poster Paper award for “N. Bikakis, J. Liagouris, M. Krommyda, G. Papastefanatos, T.Sellis. Towards Scalable Visual Exploration of Very Large RDF Graphs. In 12th Extended Semantic Web Conference (ESWC2015) – Poster Track, Portoroz, Slovenia, June, 2015”
- **2013:** Best Paper Award for “G. Papastefanatos, Y. Stavrakas, T. Galani. Capturing the History and Change Structure of Evolving Data. In 5th International Conference on Advances in Databases, Knowledge, and Data Applications (DBKDA 2013), Seville, Spain, January 2013”
- **2009:** «Thomaidio Award» \ NTUA

10. Member of Professional Associations

- Institute of Electrical and Electronics Engineers (IEEE)
- Technical Chamber of Greece (TEE)
- The Hellenic Association of Mechanical & Electrical Engineers

- Greek Computer Society (IFIP member)

11.Publications

Books\Chapter in Books

- B2. G. Papastefanatos and S. Maroulis: Socioscope - A visual analytics platform for open socioeconomic data. Book chapter in “Transformations of Protest in Greece”, Stathopoulou, T (ed.), Papazisis publishers & EKKE. (in press).
- B1. P. Manousis, P. Vassiliadis, A. Zarras and G. Papastefanatos: Schema Evolution for Databases and Data Warehouses, Lecture Notes in Business Information Processing (253), Springer 2016, ISBN 978-3-319-39242-4.

International Refereed Journals

- J11 M. Meimaris, G. Papastefanatos, P. Vassiliadis, I. Anagnostopoulos. Computational Methods and Optimizations for Containment and Complementarity in Web Data Cubes, *Inf. Syst.* 75: 56-74 (2018).
- J10 V. Efthymiou, G. Papadakis, G. Papastefanatos, K. Stefanidis, T. Palpanas. "Parallel Meta-blocking for Scaling Entity Resolution over Big Heterogeneous Data", *Information Systems* 65: 137-157 (2017).
- J9 N. Bikakis, G. Papastefanatos, M. Skourla, T. Sellis. Hierarchical Visual Exploration and Analysis on the Web of Data. *Semantic Web Journal*, vol. 8, no. 1, pp. 139-179, 2017.
- J8 G. Papadakis, G. Papastefanatos, T. Palpanas, M. Koubarakis. Boosting the efficiency of large-scale entity resolution with enhanced meta-blocking. In *Journal of Big Data research* (6): 43-63 (2016), DOI: 10.1016/j.bdr.2016.08.002
- J7 M. Meimaris, G. Papastefanatos, S. Viglas, Y. Stavarakas, C. Pateritsas. A Query Language for Multi-version Data Web Archives. In *Journal of Expert Systems*, Volume 33, Issue 4, Pages 383–404, August 2016, DOI : 10.1111/exsy.12157
- J6 George Papadakis, George Alexiou, George Papastefanatos, Georgia Koutrika. Schema-agnostic vs Schema-based Configurations for Blocking Methods on Homogeneous Data. In *PVLDB Vol 9(4)*: 312-323 (December 2015)
- J5 P. Manousis, P. Vassiliadis, G. Papastefanatos. Impact Analysis and Policy-Conforming Rewriting of Evolving Data-Intensive Ecosystems. In *Journal on Data Semantics*, vol. 4, no. 4, pages 31-267, doi: 10.1007/s13740-015-0050-3, 2015
- J4 I. Petrou, M. Meimaris, G. Papastefanatos. Towards a methodology for publishing Linked Open Statistical Data. In *JeDEM* 6(1): 97-105, December 2014.
- J3 G. Papadakis, G. Papastefanatos, G. Koutrika. Supervised Meta-blocking. In *PVLDB Vol7*, September 2014.
- J2. G. Papastefanatos, P.Vassiliadis, A.Simitsis, Y.Vassiliou. Metrics for the Prediction of Evolution Impact in ETL Ecosystems: A Case Study. In *Journal on Data Semantics* 1(2): 75-97 (2012).
- J1. G. Papastefanatos, P. Vassiliadis, A. Simitsis, Y. Vassiliou. Policy-regulated Management of ETL Evolution. In *Journal on Data Semantics*, Vol. XIII, pp. 146–176, Springer LNCS, 2009.

International Conferences \ Workshops

- C46. N. Bikakis, S. Maroulis, G. Papastefanatos, P. Vassiliadis: RawVis: Visual Exploration over Raw Data. In 22nd European Conference on Advances in Databases and Information Systems (ADBIS 2018), September 2-5, Budapest, Hungary
- C45. Marios Koniaris, George Papastefanatos, Marios Meimaris, Giorgos Alexiou: Introducing Solon: A Semantic Platform for Managing Legal Sources. In 21st International Conference on Theory and Practice of Digital Libraries (TPDL'17), 18-21 September 2017, Thessaloniki, Greece.

- C44. P. Manousis, A. Zarras, P. Vassiliadis, G. Papastefanatos: Extraction of Embedded Queries via Static Analysis of Host Code. In 29th International Conference on Advanced Information Systems Engineering (CAiSE'17), 12-16 June 2017, Essen, Germany.
- C43. M. Meimaris, G. Papastefanatos, N. Mamoulis, I. Anagnostopoulos: Extended Characteristic Sets: Graph Indexing for SPARQL Query Optimization. In 33rd IEEE International Conference on Data Engineering (ICDE 2017), San Diego, California, USA, April 2017.
- C42. M. Meimaris, G. Papastefanatos: Distance-Based Triple Reordering for SPARQL query optimization. In 8th International Workshop on Data Engineering meets the Semantic Web (DESWeb), April 22, 2017, in conjunction with ICDE 2017, San Diego, California.
- C41. M. Koniaris, G. Papastefanatos, Y. Vassiliou: Towards Automatic Structuring and Semantic Indexing of Legal Documents. In 20th Panhellenic Conference on Informatics (PCI'16), Patras Greece, 10 – 12 November 2016.
- C40. M. Meimaris, G. Papastefanatos. The EvoGen Benchmark Suite for Evolving RDF Data. In 2nd Workshop on Managing the Evolution and Preservation of the Data Web (MEPDaW 2016) co-located with 13th European Semantic Web Conference (ESWC 2016), Heraklion, Crete, Greece, May 30th, 2016.
- C39. K. Papanikolaou, H. Papageorgiou, N. Papasasantopoulos, T. Stathopoulou, G. Papastefanatos. “Just the facts” with PALOMAR: Detecting protest events in media outlets and Twitter. In First “Social Media in the Newsroom” workshop (SMnews2016), co-located with the International Conference on Web and Social Media (ICWSM 2016), Cologne, Germany, 17th May, 2016.
- C38. G. Alexiou, S. Vahdati, C. Lange, G. Papastefanatos, S. Lohmann. OpenAIRE LOD services: Scholarly Communication Data as Linked Data. In 2nd International Workshop on Semantics, Analytics, Visualisation: Enhancing Scholarly Data (SAVE-SD16) co-located with WWW16, Montreal, Canada, April, 2016.
- C37. G. Alexiou, M. Meimaris, G. Papastefanatos. Enabling Persistent Identification of Groups of Duplicates in Data Aggregators. In 7th International Workshop on Data Engineering meets the Semantic Web (DESWeb 16) in conjunction with ICDE 2016, Helsinki, Finland, May 2016.
- C36. T. Galani, Y. Stavrakas, G. Papastefanatos. A Language for Defining and Detecting Interrelated Complex Changes on RDF(S) Knowledge Bases. In Proceedings of the 18th International Conference on Enterprise Information Systems (ICEIS 16), Rome, Italy, April 2016.
- C35. N. Bikakis, J. Liagouris, M. Krommyda, G. Papastefanatos, T. Sellis. graphVizdb: A Scalable Platform for Interactive Large Graph Visualization. In 32nd IEEE International Conference on Data Engineering (ICDE 2016) - Demo, Helsinki, Finland, May 2016
- C34. M. Meimaris, G. Papastefanatos. Double Chain-Star: an RDF indexing scheme for fast processing of SPARQL joins. In Proceedings of 19th International Conference on Extending Database Technology (EDBT 2016) - Poster, Bordeaux, France, March, 2016
- C33. G. Papadakis, G. Papastefanatos, T. Palpanas, M. Koubarakis. Scaling Entity Resolution to Large, Heterogeneous Data with Enhanced Meta-blocking. In Proceedings of 19th International Conference on Extending Database Technology (EDBT 2016), Bordeaux, France, March, 2016.
- C32. M. Meimaris, G. Papastefanatos, P. Vassiliadis, I. Anagnostopoulos. Efficient Computation of Containment and Complementarity in Linked Data Cubes. In Proceedings of 19th International Conference on Extending Database Technology (EDBT 2016), Bordeaux, France, March, 2016.
- C31. K. Gkirtzou, G. Papastefanatos, T. Dalamagas. Rdf keyword search based on keywords-to-sparql translation. In Proceedings of the First International Workshop on Novel Web Search Interfaces and Systems Collocated with CIKM 2015, Melbourne, Australia, October 2015
- C30. V. Efthymiou, G. Papadakis, G. Papastefanatos, K. Stefanidis, T. Palpanas. Parallel Metablocking: Realizing Scalable Entity Resolution. In IEEE Big Data, Santa Clara, CA, October 2015.

- C29. M. Meimaris, G. Alexiou, K. Gkirtzou, G. Papastefanatos, T. Dalamagas. RDF Resource Search and Exploration with LinkZoo. In 4th International Conference on Data Management Technologies and Applications (DATA 15), Colmar, Alsace, France, July 2015.
- C28. T. Galani, Y. Stavarakas, G. Papastefanatos, G. Flouris. Supporting Complex Changes in RDF(S) Knowledge Bases. In 1st Workshop on Managing the Evolution and Preservation of the Data Web (Diachron '15), Collocated with ESWC 2015, Portoroz, Slovenia, June, 2015.
- C27. M. Meimaris, G. Papastefanatos, C. Pateritsas. An Archiving System for Managing Evolution in the Data Web. In 1st Workshop on Managing the Evolution and Preservation of the Data Web (Diachron '15), Collocated with ESWC 2015, Portoroz, Slovenia, June, 2015.
- C26. N. Bikakis, J. Liagouris, M. Krommyda, G. Papastefanatos, T. Sellis. Towards Scalable Visual Exploration of Very Large RDF Graphs. In 12th Extended Semantic Web Conference (ESWC2015) – Poster Track, Portoroz, Slovenia, June, 2015.
- C25. M. Meimaris, G. Papastefanatos. Containment and Complementarity Relationships in Multidimensional Linked Open Data. In 2nd International Workshop on Semantic Statistics (SEMSTATS 2014), Collocated with ISWC 2014, Riva Del Garda – Trentino, Italy, October, 2014
- C24. E. Katsiri, G. Papastefanatos, M. Terrovitis, T. Sellis. Airport Context Analytics. In 8th International Conference on Web Reasoning and Rule Systems, (RR2014), Athens, Greece, September 2014.
- C23. I. Petrou, M. Meimaris, G. Papastefanatos. Towards a methodology for publishing Linked Open Statistical Data. In Samos 2014 Summit on ICT-enabled Governance, Samos, Greece, June, 2014.
- C22. M. Meimaris, G. Alexiou, G. Papastefanatos. LinkZoo: A linked data platform for collaborative management of heterogeneous resources. In 11th Extended Semantic Web Conference (ESWC2014) – Demo Track, Anissaras, Crete, Greece, May 2014.
- C21. N. Bikakis, M. Skourla, G. Papastefanatos. rdf:SynopsViz: A Framework for Hierarchical Linked Data Visual Exploration and Analysis. In 11th Extended Semantic Web Conference (ESWC2014) – Demo Track, Anissaras, Crete, Greece, May 2014.
- C20. M. Meimaris, G. Papastefanatos, C. Pateritsas, T. Galani, Y. Stavarakas, Towards a Framework for Managing Evolving Information Resources on the Data Web. In 1st International Workshop on Dataset PROFiling & fEderated Search for Linked Data (PROFILES14), Co-located with ESWC14, Anissaras, Crete, Greece, May 2014.
- C19. P. Manousis, P. Vassiliadis, G. Papastefanatos. Automating the adaptation of evolving data-intensive ecosystems. In 32nd International Conference on Conceptual Modeling (ER 2013), Hong Kong, November 2013.
- C18. I. Petrou, G. Papastefanatos, T. Dalamagas. Publishing Census as Linked Open Data. A Case Study. In 2nd International Workshop on Open Data (WOD 2013) – Paris, France, June 2013.
- C17. G. Papastefanatos, Y. Stavarakas, T. Galani. Capturing the History and Change Structure of Evolving Data. In 5th International Conference on Advances in Databases, Knowledge, and Data Applications (DBKDA 2013), Seville, Spain, January 2013, 2013 – *Received Best Paper Award*
- C16. T. Dalamagas, N. Bikakis, G. Papastefanatos, Y. Stavarakas, A. Hatzigeorgiou. Publishing Life Science Data as Linked Open Data: the Case Study of miRBase. In 1st International Workshop on Open Data (WOD 2012) – (Extended Version for ACM Digital Library), Nantes, France, May 2012.
- C15. S. Auer, T. Dalamagas, H. Parkinson, F. Bancilhon, G. Flouris, D. Sacharidis, P. Buneman, D. Kotzinos, Y. Stavarakas, V. Christophides, G. Papastefanatos, K. Thiveos. Diachronic Linked Data: Towards Long-Term Preservation of Structured Interrelated Information. In 1st International Workshop on Open Data (WOD 2012) – (Extended Version for ACM Digital Library), Nantes, France, May 2012.
- C14. T. Dalamagas, N. Bikakis, G. Papastefanatos, Y. Stavarakas, A. Hatzigeorgiou. Publishing Life Science Data as Linked Open Data: the Case Study of miRBase. In 1st International Workshop on

Open Data (WOD 2012), Nantes, France, May 2012.

- C13. Y. Stavarakas, G. Papastefanatos, T. Dalamagas, V. Christophides. Diachronic Linked Data: Towards Long-Term Preservation of Structured Interrelated Information. In 1st International Workshop on Open Data (WOD 2012), Nantes, France, May 2012.
- C12. Y. Stavarakas, G. Papastefanatos. Using Structured Changes for Elucidating Data Evolution. In 1st International Workshop on Managing Data Throughout its Lifecycle (DaLi 2011 - in conjunction with ICDE 2011), Hannover, Germany, April 2011.
- C11. G. Papastefanatos, P. Vassiliadis, A. Simitsis. Propagating Evolution Events in Data-Centric Software Artifacts. In 3rd International Workshop on Hot Topics in Software Upgrades (HotSWUp'11 - in conjunction with ICDE 2011), Hannover, Germany, April 2011.
- C10. G. Papastefanatos, P. Vassiliadis, A. Simitsis, Y. Vassiliou. HECATAEUS: Regulating Schema Evolution. In 26th IEEE International Conference on Data Engineering (ICDE'10), Long Beach, California, USA, March 1-6, 2010.
- C9. Y. Stavarakas, G. Papastefanatos. Supporting Complex Changes in Evolving Interrelated Web Databanks. In 18th International Conference on Cooperative Information Systems (CoopIS'10), Crete, Greece, October 27-29, 2010.
- C8. G. Papastefanatos, P. Vassiliadis, A. Simitsis, T. Sellis, Y. Vassiliou. Rule-based Management of Schema Changes at ETL sources. In Workshop on Managing Evolution of Data Warehouses (MEDWa 2009 – in conjunction with ADBIS 09), Riga, Latvia, 7 September, 2009.
- C7. G. Papastefanatos, P. Vassiliadis, A. Simitsis, Y. Vassiliou. Design Metrics for Data Warehouse Evolution. In 27th International Conference on Conceptual Modeling (ER '08), Barcelona, Spain, 20-23 October, 2008.
- C6. G. Papastefanatos, P. Vassiliadis, A. Simitsis, K. Aggitalis, F. Pechlivani, Y. Vassiliou. Language Extensions for the Automation of Database Schema Evolution. In 10th International Conference on Enterprise Information Systems (ICEIS '08), Barcelona, Spain, 12-16 June, 2008.
- C5. G. Papastefanatos, F. Anagnostou, Y. Vassiliou, P. Vassiliadis. Hecataeus: A What-If Analysis Tool for Database Schema Evolution. In 12th European Conference on Software Maintenance and Reengineering (CSMR '08), Athens, Greece, 1-4 April, 2008.
- C4. G. Papastefanatos, P. Vassiliadis, A. Simitsis, Y. Vassiliou. What-if Analysis for Data Warehouse Evolution. In 9th International Conference on Data Warehousing and Knowledge Discovery (DaWaK '07), Regensburg, Germany, 3-7 September, 2007.
- C3. G. Papastefanatos, P. Vassiliadis, Y. Vassiliou. Adaptive Query Formulation to Handle Database Evolution. In Forum of the 18th Conference on Advanced Information Systems Engineering (CAiSE Forum 2006), Luxembourg June 5-9, 2006.
- C2. G. Papastefanatos, K. Kyzirakos, P. Vassiliadis, Y. Vassiliou. Hecataeus: A Framework for Representing SQL Constructs as Graphs. In 10th International Workshop on Exploring Modeling Methods for Systems Analysis and Design - EMMSAD '05 (in conjunction with CAISE'05) - Oporto, Portugal, June 2005.
- C1. K. Siassiakos, J. Psarras, G. Papastefanatos, N. Nasios, D. Th. Askounis. Towards a Quality Assurance Framework for Educational Software. In Proceedings of the Web Based Learning Environment European Conference (WBLE'00), Oporto, Portugal, June 2000.

Other Non-refereed Journals and Conferences

- O14. M. Meimaris, G. Papastefanatos, N. Mamoulis, I. Anagnostopoulos. Extended Characteristic Sets: Graph Indexing for SPARQL Query Optimization. In 15th Hellenic Data Management Symposium (HDMS'17), Athens, August, 2017.
- O13. P. Manousis, A. Zarras, P. Vassiliadis, G. Papastefanatos: Extraction of Embedded Queries via Static

- Analysis of Host Code. In 15th Hellenic Data Management Symposium (HDMS'17), Athens, August, 2017.
- O12. S. Vahdati, G. Alexiou, G. Papastefanatos, C. Lange: Making Use of the Linked Open Data Services for OpenAIRE: Querying Data about Research Results, Persons, Projects and Organizations (Tutorial), In Digital Infrastructures for Research event, Krakow-Poland, September 2016.
- O11 M. Meimaris, G. Papastefanatos, P. Vassiliadis, I. Anagnostopoulos. Efficient Computation of Containment and Complementarity in Linked Data Cubes. In 14th Hellenic Data Management Symposium (HDMS'16), Athens, July, 2016.
- O10 George Papadakis, George Alexiou, George Papastefanatos, Georgia Koutrika. Schema-agnostic vs Schema-based Configurations for Blocking Methods on Homogeneous Data, In 14th Hellenic Data Management Symposium (HDMS'16), Athens, July, 2016.
- O9 George Papadakis, George Papastefanatos, Georgia Koutrika. Supervised Meta-blocking, In 13th Hellenic Data Management Symposium (HDMS'15), Athens, July, 2015
- O8 P. Manousis, P. Vassiliadis, G. Papastefanatos. Automating the adaptation of evolving data-intensive ecosystems. In 12th Hellenic Data Management Symposium (HDMS'14), Athens, July, 2014.
- O7 G. Papastefanatos, Y.Stavrakas: Diachronic Linked Data: Capturing the Evolution of Structured Interrelated Information on the Web. ERCIM News 2014(96).
- O6 I. Petrou, G. Papastefanatos: Publishing Greek Census Data as Linked Open Data. ERCIM News 2014(96).
- O5. G. Papastefanatos. Challenges and Opportunities in the Evolving Data web, In 1st International Workshop on Modeling and Management of Big Data (MoBiD), November 13, 2013, Hong Kong, (Keynote Paper).
- O4. G.Papastefanatos, P.Vassiliadis, A.Simitsis. Propagating Evolution Events in Data-Centric Software Artifacts. In 11th Hellenic Data Management Symposium (HDMS'12), Chania, June, 2012.
- O3. Institute for the Management of Information Systems - Athena Research Center. In SIGMOD Record Vol.41(1), March 2012.
- O2. G. Papastefanatos, Y. Stavrakas, C. Papatheodorou, T. Dalamagas, D. Pfoser, T. Sellis. Collaborative information spaces: Research directions at IMIS. In 2nd ERCIM DIS Workshop On Large scale and federated information spaces. Amsterdam, May 2010 (Invited Paper)
- O1. P.Vassiliadis, G.Papastefanatos, T.Sellis, Y. Vassiliou. Management of the Evolution of Database-Centric Information Systems. In International Workshop on Database Preservation (PresDB 07), Edinburgh March 23, 2007 (Invited Paper)

Thesis

- T2 PhD Thesis: *Policy Regulated Management of Schema Evolution in Database-centric Environments*, Knowledge and Database Systems Laboratory, School of Electrical and Computer Engineering, NTUA, 2009, (Supervisor Prof. Yannis Vassiliou).
- T1 Diploma Thesis: *A Quality Assurance Framework for Educational Software*, School of Electrical and Computer Engineering, NTUA, 2000, (Supervisor Prof. Yannis Psarras).

12. Citations

George's google scholar profile is http://scholar.google.gr/citations?user=wnh_FZgAAAAJ&hl . As of June of 2018, George has more than 580 citations to journal articles and conference publications and h-index 16.

ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

του Γεωργίου Παπαστεφανάτου

1. Γενικά στοιχεία

Όνοματεπώνυμο	Παπαστεφανάτος Γεώργιος
Ημερομηνία Γέννησης	5 Μαΐου 1977
Επάγγελμα	Ηλεκτρολόγος Μηχανικός και Μηχανικός Υπολογιστών
Διεύθυνση Κατοικίας	Σπάρτης 17, Βριλήσσια, 15235 Τηλ. 210-7482525 Κιν. 6974034827
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Ιστοσελίδα	http://web.imsi.athenarc.gr/~gpapas/

2. Τίτλοι Σπουδών

- **Φεβρουάριος 2009:** Διδάκτωρ Μηχανικός, Σχολή Ηλεκτρολόγων Μηχανικών και Μηχανικών Υπολογιστών, Εθνικό Μετσόβιο Πολυτεχνείο
- **Οκτώβριος 2000:** Διπλωματούχος Ηλεκτρολόγος Μηχανικός και Μηχανικός Υπολογιστών, Τμήμα Ηλεκτρολόγων Μηχανικών και Μηχανικών Υπολογιστών, Εθνικό Μετσόβιο Πολυτεχνείο

3. Ερευνητικά Ενδιαφέροντα

- **Πλατφόρμες & Υπηρεσίες Μεγάλων Δεδομένων**
 - Ενσωμάτωση δεδομένων & Ταυτοποίηση Οντοτήτων
 - Αλγόριθμοι παράλληλης επεξεργασίας
- **Αναλυτική Επεξεργασία Μεγάλων Δεδομένων**
 - Οπτική Αναλυτική (Visual Analytics) και πλοήγηση δεδομένων.
 - Αναλυτική πολυδιάστατων δεδομένων
 - Αναλυτική δεδομένων ιστού
 - Τεχνικές Μηχανικής Μάθησης
- **Διαχείριση Δεδομένων στον Ιστό (Data Web)**
 - Εξέλιξη και αρχειοθέτηση δεδομένων στον Ιστό.
 - Μέθοδοι δημοσίευσης και διασύνδεσης δεδομένων στον Ιστό.
 - Μέθοδοι Δεικτοδότησης και Επεξεργασίας επερωτήσεων σε RDF δεδομένα.
- **Ανοιχτή Επιστήμη και ηλεκτρονικές υποδομές**
 - Σχεδιασμός μετρικών αποτίμησης πρακτικών και τάσεων ανοιχτής επιστήμης
 - Μοντελοποίηση και διαχείριση καταλόγων ηλεκτρονικών υπηρεσιών έρευνας.
- **Διαχείριση εξελισσόμενων δεδομένων και συστημάτων**
 - Αναπαράσταση αλλαγών
 - Προσαρμογή οικοσυστημάτων δεδομένων σε γεγονότα εξέλιξης

- ο Μετρικές ποιότητας οικοσυστημάτων δεδομένων

4. Επαγγελματική Εμπειρία

- **Ιαν 2009 - σήμερα** : Ερευνητικός Συνεργάτης, Ινστιτούτο Πληροφοριακών Συστημάτων - Ε.Κ. "Αθηνά", Οργάνωση και Συμμετοχή σε ερευνητικά και αναπτυξιακά έργα (Εθνικά, Ευρωπαϊκά).
- **Σεπ. 2016 – σήμερα** : Εμπειρογνώμονας Πληροφορικής. Northern Ireland Cooperation Overseas Ltd (NI-CO), Ανάλυση Διαδικασιών και Σχεδιασμός προδιαγραφών για το ΟΠΣ του Ενιαίου Φορέα Κοινωνικής Ασφάλισης (ΕΦΚΑ). Ανάλυση Διαδικασιών και προδιαγραφών για το ενιαίο σύστημα συλλογής ασφαλιστικών εισφορών – φόρου εισοδήματος (UCS-Unified Collection System).
- **Απρ.2006 – Δεκ. 2015** : Εμπειρογνώμονας της Ελληνικής Στατιστικής Αρχής – Διεύθυνση Πληροφορικής & Πρωτογενούς Τομέα για την παροχή συμβουλευτικών υπηρεσιών σε θέματα σχεδιασμού ερευνών, διαχείρισης και ενοποίησης δεδομένων, διαλειτουργικότητας και ασφάλειας.
- **Ιαν. 2008 – Δεκ. 2009** : Υπεύθυνος έργου: «Σχεδιασμός – Ανάπτυξη Συστήματος Ολοκληρωμένου Συστήματος Δημιουργίας και Παρακολούθησης Προκηρύξεων Δημοσίων Διαγωνισμών» - Knowledge Society.
- **Σεπ. 2005 – Δεκ. 2007** : Υπεύθυνος έργων: «Σχεδιασμός – Ανάπτυξη α) Συστήματος Διαχείρισης Πελατών (CRM) και β) Συστήματος Υπολογισμού και Έκδοσης Κοινοχρήστων για την ΕΤΒΑ Βιομηχανικές Περιοχές Α.Ε» - Exodus A.E.
- **Μαρ. 2006 – Δεκ. 2006** : Υπεύθυνος έργου: «Σχεδιασμός – Ανάπτυξη Πληροφοριακού Συστήματος Διαχείρισης Τεχνικών Έργων του ΕΠΕΑΕΚ» - Ειδική Υπηρεσία Διαχείρισης – ΕΠΕΑΕΚ
- **Σεπ. 2004 – Ιουν. 2005** : Αναλυτής Βάσεων Δεδομένων «Εργασίες μετάπτωσης από Microsoft SQL Server σε Oracle RDBMS για το τμήμα Marketing της Citibank» – Directing A.E.
- **Μαρ. 2004 – Μάιος 2004** : Μηχανικός Ανάπτυξης Λογισμικού «Ανάπτυξη Πληροφοριακού Συστήματος για τα εργοστάσια ΕΤΗΜ-ΥΠΗΔ σε Oracle Designer» - Semantix A.E.
- **Σεπ. 2002 – Δεκ. 2003** : Μηχανικός Ανάπτυξης Λογισμικού «Ανάλυση, Σχεδιασμός και Ανάπτυξη Ολοκληρωμένου Πληροφοριακού Συστήματος Καταγραφής Πραγματολογικών Δεδομένων για το «Ερευνητικό Πρόγραμμα Θράκη - Αν.Μακεδονία» του Συλλόγου Φίλων της Μουσικής – Μέγαρο Μουσικής» – ΕΠΙΣΕΥ.
- **Ιουν. 2002 – Ιουν. 2003** : Μηχανικός Ανάπτυξης Λογισμικού «Συμμετοχή στο ευρωπαϊκό ερευνητικό πρόγραμμα Confident. Ανάπτυξη Web Interface για Pocket PC και κινητά τηλέφωνα 3ης γενιάς» – ΕΠΙΣΕΥ.
- **Ιουν. 2002 – Ιουν. 2003** : Τεχνικός Σύμβουλος «Ανάλυση και Συγγραφή πρότασης για την Ενίσχυση των Σπουδών ΤΠΕ στη σχολή ΗΜΜΥ του ΕΜΠ στα πλαίσια του ΕΠΕΑΕΚ ΙΙ» – Εθνικό Μετσόβιο Πολυτεχνείο.
- **Φεβ. 2002 – Ιουν. 2002** : Υπεύθυνος έργου «Ανάλυση, Σχεδιασμός και Ανάπτυξη ολοκληρωμένης διαδικτυακής (client-server) εφαρμογής αξιολόγησης προσωπικού για το τμήμα HR Management της SHELL Hellas» - EDISINET A.E.
- **Φεβ. 2002 – Μαρ. 2002** : Υπεύθυνος έργου «Ανάλυση – Σχεδιασμός – Ανάπτυξη εφαρμογής βάσεων δεδομένων για το τμήμα HR Management της εταιρίας» - Carrefour A.E.
- **Νοεμ. 2001 – Δεκ. 2001** : Αναλυτής Συστήματος «Ανάπτυξη τραπεζιτικού συστήματος (Profits-EuroGiro) των ΕΛΤΑ» - Intrisoft A.E.
- **Ιαν. 2001 – Οκτ. 2001** : Μηχανικός Ανάπτυξης Λογισμικού «Ανάπτυξη πληροφοριακού συστήματος μισθοδοσίας της Διεύθυνσης Πληροφορικής του Υ.Π.Ε.ΧΩ.Δ.Ε.» - ΚΕΥ Ε.Π.Ε. – Λύσεις Συστημάτων Πληροφορικής.

5. Διδακτική Εμπειρία

- **2018:** Επισκέπτης Καθηγητής– “Τεχνολογίες Διαχείρισης Πολιτισμικής Πληροφορίας” (Προπτυχιακό μάθημα 4^ο έτους – Πανεπιστήμιο Αιγαίου – Τμήμα Πολιτισμικής Τεχνολογίας και Επικοινωνίας).
- **2009– 2011 :** Επισκέπτης Καθηγητής «Βάσεων Δεδομένων» ΔΠΜΣ Τμήματος Επιστήμης και Τεχνολογίας Υπολογιστών, Πανεπιστήμιο Πελοποννήσου.
- **2007 –2008 & 2010-2011 :** Εισηγητής του μαθήματος «Ανάλυση - σχεδίαση & ανάπτυξη συστημάτων βάσεων δεδομένων» του τμήματος «Διαχείριση Πληροφοριακών Συστημάτων» της Εθνικής Σχολής Δημόσιας Διοίκησης.
- **2001 – 2007:** Επικουρικό διδακτικό έργο στο μάθημα «Ανάλυση και Σχεδιασμός Πληροφοριακών Συστημάτων» του 9ου εξαμήνου της Σχολής Ηλεκτρολόγων Μηχανικών και Μηχανικών Υπολογιστών του ΕΜΠ.
- **2004 – 2016:** Εισηγητής σεμιναρίων βάσεων δεδομένων στο Ινστιτούτο Επιμόρφωσης του Εθνικού Κέντρου Δημόσιας Διοίκησης.
- **2013 – :** Συνεπιβλεψη των ακόλουθων διδακτορικών (σε εξέλιξη) στο ΕΚ. ΑΘΗΝΑ.
 - ο Μ. Μεϊμάρης – ΥΔ στο Παν. Θεσσαλίας (τεχνικές εξέλιξης και αρχειοθέτησης δεδομένων)
 - ο Γ. Αλεξίου – ΥΔ στο ΕΜΠ (τεχνικές ενσωμάτωσης δεδομένων)
 - ο Σ. Μαρουλής – ΥΔ στο ΕΜΠ (τεχνικές οπτικής ανάλυσης δεδομένων)
- **2002 – 2007:** Επίβλεψη των ακόλουθων διπλωματικών εργασιών στο ΕΜΠ.
 - ο ΕΚΑΤΑΙΟΣ II: Λογισμικό Σύστημα για την Αναπαράσταση και Εξέλιξη Βάσεων Δεδομένων, Φ.Αναγνώστου, 2007.
 - ο Αναπαράσταση SQL Ερωτημάτων σε Γράφους, Κ.Κυζηράκος, 2005.
 - ο Διαχείριση Πραγματολογικών Δεδομένων. Γ. Ρίσκας, 2003.
 - ο Σχεδιασμός και Ανάπτυξη ενός συστήματος δεικτοδότησης εγγράφων με σύνθετες ιεραρχίες βασισμένο σε XML. Κ.Καράμπελας, 2003.
- **2009 – :** Επίβλεψη των ακόλουθων διπλωματικών εργασιών στο ΠΠΣΥ.
 - ο Ανάπτυξη mobile εφαρμογής για τη μετατροπή γεωχωρικής και χρονικής πληροφορίας σε διασυνδεδεμένα δεδομένα. Δ.Γεωργίου. Παν. Αθηνών, 2016
 - ο Ολοκλήρωση διασυνδεδεμένων δεδομένων, Ι.Κανακάκης, ΕΜΠ, 2013.
 - ο Οπτικοποίηση ανοιχτών Διασυνδεδεμένων Δεδομένων, Μ.Σκουρλά, ΕΜΠ, 2013
 - ο Σχεδιασμός multi-tenant εφαρμογής διαχείρισης στατιστικών ερευνών, Σ.Μαρούλης, 2013.
 - ο Δημιουργία εφαρμογής εκλογικών αποτελεσμάτων, Ν. Βαρότσης, ΤΕΙ.Λαμίας 2010.

6. Συμμετοχή σε Ερευνητικά Έργα

- **2018 - :** ΕΚ Αθηνά, **Επιστημονικός Υπεύθυνος** του έργου, “Visual Facts - Democratizing Visual Analytics, A Self-Service Platform for Big Data Exploration”. 1η Προκήρυξη Ερευνητικών Έργων ΕΛΙΔΕΚ για την ενίσχυση μεταδιδακτόρων ερευνητών/τριών. Ελληνικό Ίδρυμα Έρευνας και Καινοτομίας (ΕΛ.ΙΔ.Ε.Κ.) - Έγινε δεκτό προς χρηματοδότηση.
- **2018 - :** ΕΚ Αθηνά, Έμπειρος ερευνητής στο πλαίσιο του έργου, «ΜΕΔΑ.2 - Από τα Μεγάλα Δεδομένα στην Επιστήμη Δεδομένων», Δράση «Ενίσχυση των Υποδομών Έρευνας και Καινοτομίας», Επιχειρησιακό Πρόγραμμα «Ανταγωνιστικότητα, Επιχειρηματικότητα και Καινοτομία»(2014-2020).
- **2018 - :** ΕΚ Αθηνά, **Επιστημονικός Υπεύθυνος του ΕΚ Αθηνά** του έργου, “Σχεδιασμός και ανάπτυξη της ψηφιακής πλατφόρμας YouWeP”. Σύμβαση μισθώσεως έργου και παροχής υπηρεσιών στο πλαίσιο του Ερευνητικού Προγράμματος: Έρευνα, Εκπαίδευση και Υποδομές: ο τριγωνισμός των αξόνων στρατηγικής ανάπτυξης του ΕΚΚΕ (REDI) \ ΓΓΕΤ.

- **2018** - : Πανεπιστήμιο Ιωαννίνων, Μεταδιδακτορικός Ερευνητής, “Πλοήγία – Πλοήγηση και Οπτική Αναλυτική Επεξεργασία Πρωτογενών Δεδομένων”. Πρόσκληση “Υποστήριξη ερευνητών με έμφαση στους νέους ερευνητές ΕΔΒΜ34” της ΓΓΕΤ.
- **2017** - : ΕΚ Αθηνά, **Επιστημονικός Υπεύθυνος** του έργου «Σχεδίαση και ανάπτυξη υποδομής διαχείρισης Big Data για το προϊόν Ericsson Device Analytics (EDA)». Έργο εφαρμογής καινοτομίας χρηματοδοτούμενο από την INTRACOM TELECOM.
- **2017** - : ΕΚ Αθηνά, **Επιστημονικός Υπεύθυνος του ΕΚ Αθηνά** του έργου. “WISE-ACT Wider Impacts and Scenario Evaluation of Autonomous and Connected Transport”. EU COST ACTION.
- **2017** - : Πανεπιστήμιο Αθηνών, Έμπειρος ερευνητής στο πλαίσιο του έργου «eInfraCentral - European E-Infrastructure Services Gateway». H2020 - e-Infrastructures.
- **2017** - : ΕΚ Αθηνά, Έμπειρος ερευνητής στο πλαίσιο του έργου «EOSCPilot- The European Open Science Cloud for Research Pilot Project». H2020 - e-Infrastructures.
- **2016** - : ΕΚ Αθηνά, Έμπειρος ερευνητής στο πλαίσιο του έργου «KAME - Καινοτόμες μέθοδοι για την ανάλυση και διαχείριση μεγάλων δεδομένων». Αυτοχρηματοδοτούμενο έργο ΕΚ. ΑΘΗΝΑ.
- **2016** - : ΕΚ Αθηνά, Έμπειρος ερευνητής στο πλαίσιο του έργου «SlideWiki - Large-Scale Pilots For Collaborative Opencourseware Authoring, Multiplatform Delivery And Learning Analytics». H2020 – ICT - Technologies for better human learning and teaching.
- **2015** - : ΕΚ Αθηνά, Έμπειρος ερευνητής στο πλαίσιο του έργου «OpenAIRE2020 - Open Access Infrastructure for Research in Europe towards 2020». H2020 - e-Infrastructures.
- **2015**: ΕΚ Αθηνά, **Επιστημονικός Υπεύθυνος** του έργου «Σύστημα Ηλεκτρονικής Βιβλιοθήκης της Γενικής Γραμματείας Δημοσίων Εσόδων (Γ.Γ.Δ.Ε.)». Ανοιχτός Διεθνής Διαγωνισμός, ΕΤΠΑ - ΕΣΠΑ 2007-2013.
- **2013 - 2016**: ΕΚ Αθηνά, Έμπειρος ερευνητής στο πλαίσιο του έργου «DIACHRON – Managing the Evolution and Preservation of the Data Web», FP7 – IP.
- **2013 - 2015**: ΕΚ Αθηνά, **Επιστημονικός Υπεύθυνος του ΕΚ Αθηνά** για το έργο «Sodamap - Δυναμική διαχείριση βάσεων Κοινωνικών δεδομένων και Χαρτογραφικών αναπαραστάσεων». Πρόσκληση “ΚΡΗΠΙΣ” της ΓΓΕΤ
- **2013 - 2015**: ΕΚ Αθηνά, Έμπειρος ερευνητής στο πλαίσιο του έργου «ΜΕΔΑ - Μεγάλα Δεδομένα – Προκλήσεις, Μέθοδοι και Τεχνικές Αποδοτικής Διαχείρισης». Πρόσκληση “ΚΡΗΠΙΣ” της ΓΓΕΤ
- **2012 - 2015**: ΕΚ Αθηνά, Έμπειρος ερευνητής και συντονιστής του έργου «EICOS»: foundations for perSONalized Cooperative Information Ecosystems. Πρόσκληση “Θαλής” της ΓΓΕΤ.
- **2011 - 2014**: ΕΚ Αθηνά, Έμπειρος ερευνητής στο πλαίσιο του έργου «ARCOMEM – ARchiving COLlective MEMories», FP7 – IP.
- **2011 - 2013**: ΕΚ Αθηνά, Έμπειρος ερευνητής και συντονιστής του ΕΚ Αθηνά του έργου «Κοινό Αεροδρομιακό Περιβάλλον». Πρόσκληση “Συνεργασία” της ΓΓΕΤ.
- **2005 – 2006**: ΕΜΠ, Ερευνητής στο πλαίσιο του έργου «Μοντελοποίηση, Βελτιστοποίηση και Αξιολόγηση Ροών Έργου σε Εφαρμογές Διαχείρισης Δεδομένων». Πρόσκληση “ΠΥΘΑΓΟΡΑΣ ΙΙ”/ ΕΠΕΑΕΚ, Υπουργείο Παιδείας.
- **2003 – 2004**: ΕΠΙΣΕΥ. Μηχανικός Ανάπτυξης Λογισμικού, Πρόγραμμα CONFIDENT με θέμα εργασίας την σχεδίαση διαδικτυακών εφαρμογών για κινητές μονάδες, με στόχο την εξυπηρέτηση ανθρώπων με ειδικές ανάγκες, FP6-IST.
- **2002 – 2003**: ΕΠΙΣΕΥ. Αναλυτής ΒΔ - Μηχανικός Ανάπτυξης Λογισμικού, Ερευνητικό Πρόγραμμα «Θράκη - Αν.Μακεδονία» του Συλλόγου Φίλων της Μουσικής – Μέγαρο Μουσικής με θέμα εργασίας τη σχεδίαση ενός ολοκληρωμένου Πληροφοριακού Συστήματος Καταγραφής Πραγματολογικών Δεδομένων (δεδομένα κειμένου, ήχου και εικόνας).

7. Υπηρεσίες προς την ερ. κοινότητα

- **Guest Editor σε περιοδικά**

- Elsevier Big Data Research Journal. Special Issue on Big Data Exploration, Visualization and Analytics.
- **Διοργάνωση Συνεδρίων**
 - 1st International Workshop on Big Data Visual Exploration and Analytics (BigVis2018) in conjunction with EDBT/ICDT 2018 (Vienna, Austria)
 - Workshop on Open Science Monitor in conjunction with Open Science Fair Conference (Athens, Greece 2017)
 - 2nd International Workshop on Preservation of Evolving Big Data (DIACHRON 2016) in conjunction with EDBT 2016 (Bordeaux, France)
- **Μέλος επιτροπής προγράμματος συνεδρίων**
 - International Workshop on Machine learning, Optimization and Big Data – (MOD 2015, 2016, 2017, 2018)
 - International Workshop on Benchmarking Linked Data (BLINK 2017).
 - International Conference on Data Management Technologies and Applications (DATA'12,13,14,15,16, 17, 18)
 - International Workshop on Data Engineering meets the Semantic Web (DESWeb) In conjunction with ICDE 2016 , 2017, 2018
 - Workshop on Managing the Evolution and Preservation of the Data Web (MEPDaW 2015, 2016, 2017, 2018)
 - SEMANTiCS Conference (2017, 2018)
 - Hellenic Data Management Symposium (HDMS 2016, 2018)
 - International Conference on Advances in Databases, Knowledge, and Data Applications (DBKDA 2014, 2015)
 - European Conference for Information Technology in Agriculture, Food and the Environment (EFITA 2017)
 - 3rd Workshop on Hot Topics in Software Upgrades (HotSWUp'11) in conjunction with ICDE'11
- **Κριτής σε διεθνή Περιοδικά**
 - The VLDB Journal
 - Elsevier - Information Systems (IS)
 - Elsevier - Information and Software Technology (IST)
 - Elsevier - Journal of Intelligent Information Systems
 - Elsevier - Big Data Research Journal
 - Emerald Insight - International Journal of Web Information Systems (IJWIS)
 - Korea Information Processing Society (KIPS) - Journal of Information Processing Systems
 - Springer - Journal of Software and Systems Modeling
 - Oxford Journals – The Computer Journal
 - Computer Science and Information Systems – ComSIS
 - Springer - Knowledge and Information Systems Journal
 - IOS Press - Semantic Web Journal
- **Εξωτερικός Κριτής σε Συνέδρια.** International Conference on Very Large Databases (VLDB), ACM International Conference on Management of Data (ACM SIGMOD), International Conference on Data Engineering (ICDE), ACM International Conference on Information and Knowledge Management (CIKM), International Conference on Business Process Management (BPM), International Conference on Data Warehousing and Knowledge Discovery (DaWaK), International Conference on Advanced Information Systems Engineering (CAISE), Panhellenic Conf. on Informatics (PCI).
- **Προσκεκλημένος Ομιλητής**

- Απρ 2017. «Visual Exploration in the Web of Data», Keynote speaker, In 8th International Workshop on Data Engineering meets the Semantic Web (DESWeb), April 22, 2017, in conjunction with ICDE 2017, San Diego, California.
- Δεκ. 2016: «Preparing for change», Panel speaker, In International Conference and Meeting “Acting on Change: New Approaches and Future Practices in Long term Digital Preservation” organized by Digital Preservation Coalition and PERICLES FP7 project, London UK.
- Δεκ. 2016: « Proactive data management - where are we now and where are we going?», Keynote speaker, In International Conference and Meeting “Acting on Change: New Approaches and Future Practices in Long term Digital Preservation” organized by Digital Preservation Coalition and PERICLES FP7 project, London UK.
- Νοε. 2013: «Challenges and Opportunities in the Evolving Data web», Keynote speaker, In 1st International Workshop on Modeling and Management of Big Data (MoBiD), November 13, 2013, Hong Kong.
- **Άλλες Ομιλίες**
 - Νοε. 2015: «Ταυτοποίηση Οντοτήτων σε μεγάλα ετερογενή σύνολα δεδομένων» Παρουσίαση σε ημερίδα του έργου ΜΕΔΑ.
 - Νοε. 2015: «Καλειδοσκόπιο Κοινωνικών Δεδομένων. Διαδικτυακή πλατφόρμα οπτικής ανάλυσης κοινωνικών δεδομένων». Παρουσιάσεις σε ημερίδες στο Τεχνολογικό Παν. Κύπρου, στο Αριστοτέλειο Παν. Θεσσαλονίκης και στο Παν. Αθηνών στο πλαίσιο του έργου Sodamar.
 - Νοε. 2015: «linked-statistics.gr: Διάθεση ανοιχτών στατιστικών διασυνδεδεμένων δεδομένων» Παρουσιάσεις σε ημερίδες στο Τεχνολογικό Παν. Κύπρου, στο Αριστοτέλειο Παν. Θεσσαλονίκης και στο Παν. Αθηνών στο πλαίσιο του έργου Sodamar.
 - Φεβ 2013. «Managing the Evolution and Preservation of the Data Web». Παρουσίαση του έργου Diachron στον Open Data Day 2013 που συνδιοργάνωσε το ΕΚ. ΑΘΗΝΑ \ ΠΠΣΥ.
 - Φεβ 2010. «Tutorial on schema evolution». Επισκόπηση της ερευνητικής περιοχής της εξέλιξης ΒΔ στο πλαίσιο κύκλου σεμιναρίων του Εργαστηρίου Συστημάτων Βάσεων Γνώσεων και Δεδομένων του ΕΜΠ.
- **Αξιολογητής έργων**
 - Αξιολόγηση και πιστοποίηση φυσικού αντικείμενου έργων των δράσεων «Υποστήριξη των Επιχειρήσεων για την Απασχόληση Προσωπικού Υψηλής Επιστημονικής Κατάρτισης» και «Ενίσχυση της απασχόλησης ερευνητικού προσωπικού σε επιχειρήσεις» - Προσκλήσεις ΓΓΕΤ.
 - Μέλος της επιτροπής για την παρακολούθηση και παραλαβή του έργου: «Ανάθεση ενεργειών τεχνικής βοήθειας κατά το ΠΔ 4/2002 και την αριθμ.51540/ΕΥΣΑΑΠ 3628 (ΦΕΚ Β' 1856/26.11.2010) και συγκεκριμένα υπηρεσιών για τη δημιουργία διαδικτυακής πλατφόρμας αξιοποίησης προϊόντων και υπηρεσιών έρευνας και καινοτομίας στο πλαίσιο του ΕΣΠΑ» της ΓΓΕΤ.

8. Βραβεία και Διακρίσεις

- **2018:** Best Paper award for “Nikos Bikakis, Stavros Maroulis, George Papastefanatos, and Panos Vassiliadis "RawVis: Visual Exploration over Raw Data". 22nd International Conference on Advances in Databases and Information Systems. September 2018, Budapest Hungary.
- **2015:** Best Poster Paper award for “N. Bikakis, J. Liagouris, M. Krommyda, G. Papastefanatos, T.Sellis. Towards Scalable Visual Exploration of Very Large RDF Graphs. In 12th Extended Semantic Web Conference (ESWC2015) – Poster Track, Portoroz, Slovenia, June, 2015”
- **2013:** Best Paper Award for “G. Papastefanatos, Y. Stavarakas, T. Galani. Capturing the History and Change Structure of Evolving Data. In 5th International Conference on Advances in Databases, Knowledge, and Data Applications (DBKDA 2013), Seville, Spain, January 2013”
- **2009:** «ΘΩΜΑΪΔΕΙΟ ΒΡΑΒΕΙΟ» \ ΕΜΠ

9. Ξένες γλώσσες

- Αγγλικά
- Γερμανικά

10. Συμμετοχές

- Τεχνικό Επιμελητήριο Ελλάδας (ΤΕΕ)
- Πανελλήνιος Σύλλογος Διπλωματούχων Μηχανολόγων Ηλεκτρολόγων (ΠΣΔΜΗ)
- Ελληνική Εταιρεία Επιστημόνων Ηλεκτρονικών Υπολογιστών και Πληροφορικής (ΕΠΥ)
- Institute of Electrical and Electronics Engineers (IEEE)

11. Δημοσιεύσεις

Κεφάλαια σε βιβλία

- B2. G. Papastefanatos and S. Maroulis: Socioscope - A visual analytics platform for open socioeconomic data. Book chapter in “Transformations of Protest in Greece”, Stathopoulou, T (ed.), Papazisis publishers & EKKE. (in press).
- B1. P. Manousis, P. Vassiliadis, A. Zarras and G. Papastefanatos: Schema Evolution for Databases and Data Warehouses, Lecture Notes in Business Information Processing (253), Springer 2016, ISBN 978-3-319-39242-4.

Διεθνή Περιοδικά με Κρίση

- Π11 M. Meimaris, G. Papastefanatos, P. Vassiliadis, I. Anagnostopoulos. Computational Methods and Optimizations for Containment and Complementarity in Web Data Cubes, *Inf. Syst.* 75: 56-74 (2018).
- Π10 V. Efthymiou, G. Papadakis, G. Papastefanatos, K. Stefanidis, T. Palpanas. "Parallel Meta-blocking for Scaling Entity Resolution over Big Heterogeneous Data", *Information Systems* 65: 137-157 (2017).
- Π9 N. Bikakis, G. Papastefanatos, M. Skourla, T. Sellis. Hierarchical Visual Exploration and Analysis on the Web of Data. *Semantic Web Journal*, vol. 8, no. 1, pp. 139-179, 2017.
- Π8 G. Papadakis, G. Papastefanatos, T. Palpanas, M. Koubarakis. Boosting the efficiency of large-scale entity resolution with enhanced meta-blocking. In *Journal of Big Data research* (6): 43-63 (2016), DOI: 10.1016/j.bdr.2016.08.002
- Π7 M. Meimaris, G. Papastefanatos, S. Viglas, Y. Stavarakas, C. Pateritsas. A Query Language for Multi-version Data Web Archives. In *Journal of Expert Systems*, Volume 33, Issue 4, Pages 383–404, August 2016, DOI : 10.1111/exsy.12157
- Π6 George Papadakis, George Alexiou, George Papastefanatos, Georgia Koutrika. Schema-agnostic vs Schema-based Configurations for Blocking Methods on Homogeneous Data. In *PVLDB Vol 9(4)*: 312-323 (December 2015)
- Π5 P. Manousis, P. Vassiliadis, G. Papastefanatos. Impact Analysis and Policy-Conforming Rewriting of Evolving Data-Intensive Ecosystems. In *Journal on Data Semantics*, vol. 4, no. 4, pages 31-267, doi: 10.1007/s13740-015-0050-3, 2015
- Π4 I. Petrou, M. Meimaris, G. Papastefanatos. Towards a methodology for publishing Linked Open Statistical Data. In *JeDEM* 6(1): 97-105, December 2014.
- Π3 G. Papadakis, G. Papastefanatos, G. Koutrika. Supervised Meta-blocking. In *PVLDB Vol7*, September 2014.

- Π2. G. Papastefanatos, P.Vassiliadis, A.Simitsis, Y.Vassiliou. Metrics for the Prediction of Evolution Impact in ETL Ecosystems: A Case Study. In *Journal on Data Semantics* 1(2): 75-97 (2012).
- Π1. G. Papastefanatos, P. Vassiliadis, A. Simitsis, Y. Vassiliou. Policy-regulated Management of ETL Evolution. In *Journal on Data Semantics*, Vol. XIII, pp. 146–176, Springer LNCS, 2009.

Διεθνή Συνέδρια \ Workshops

- Σ46. N. Bikakis, S. Maroulis, G. Papastefanatos, P. Vassiliadis: RawVis: Visual Exploration over Raw Data. In 22nd European Conference on Advances in Databases and Information Systems (ADBIS 2018), September 2-5, Budapest, Hungary
- Σ45. Marios Koniaris, George Papastefanatos, Marios Meimaris, Giorgos Alexiou: Introducing Solon: A Semantic Platform for Managing Legal Sources. In 21st International Conference on Theory and Practice of Digital Libraries (TPDL'17), 18-21 September 2017, Thessaloniki, Greece.
- Σ44. P. Manousis, A. Zarras, P. Vassiliadis, G. Papastefanatos: Extraction of Embedded Queries via Static Analysis of Host Code. In 29th International Conference on Advanced Information Systems Engineering (CAiSE'17), 12-16 June 2017, Essen, Germany.
- Σ43. M. Meimaris, G. Papastefanatos, N. Mamoulis, I.Anagnostopoulos: Extended Characteristic Sets: Graph Indexing for SPARQL Query Optimization. In 33rd IEEE International Conference on Data Engineering (ICDE 2017), San Diego, California, USA, April 2017.
- Σ42. M. Meimaris, G. Papastefanatos: Distance-Based Triple Reordering for SPARQL query optimization. In 8th International Workshop on Data Engineering meets the Semantic Web (DESWeb), April 22, 2017, in conjunction with ICDE 2017, San Diego, California.
- Σ41. M. Koniaris, G. Papastefanatos, Y. Vassiliou: Towards Automatic Structuring and Semantic Indexing of Legal Documents. In 20th Panhellenic Conference on Informatics (PCI'16), Patras Greece, 10 – 12 November 2016.
- Σ40. M. Meimaris, G. Papastefanatos. The EvoGen Benchmark Suite for Evolving RDF Data. In 2nd Workshop on Managing the Evolution and Preservation of the Data Web (MEPDaW 2016) co-located with 13th European Semantic Web Conference (ESWC 2016), Heraklion, Crete, Greece, May 30th, 2016.
- Σ39. K. Papanikolaou, H. Papageorgiou, N. Papasarantopoulos, T. Stathopoulou, G. Papastefanatos. “Just the facts” with PALOMAR: Detecting protest events in media outlets and Twitter. In First “Social Media in the Newsroom” workshop (SMnews2016), co-located with the International Conference on Web and Social Media (ICWSM 2016), Cologne, Germany, 17th May, 2016.
- Σ38. G. Alexiou, S. Vahdati, C. Lange, G. Papastefanatos, S. Lohmann. OpenAIRE LOD services: Scholarly Communication Data as Linked Data. In 2nd International Workshop on Semantics, Analytics, Visualisation: Enhancing Scholarly Data (SAVE-SD16) co-located with WWW16, Montreal, Canada, April, 2016.
- Σ37. G. Alexiou, M. Meimaris, G.Papastefanatos. Enabling Persistent Identification of Groups of Duplicates in Data Aggregators. In 7th International Workshop on Data Engineering meets the Semantic Web (DESWeb 16) in conjunction with ICDE 2016, Helsinki, Finland, May 2016.
- Σ36. T. Galani, Y. Stavarakas, G. Papastefanatos. A Language for Defining and Detecting Interrelated Complex Changes on RDF(S) Knowledge Bases. In Proceedings of the 18th International Conference on Enterprise Information Systems (ICEIS 16), Rome, Italy, April 2016.
- Σ35. N. Bikakis, J. Liagouris, M. Krommyda, G. Papastefanatos, T.Sellis. graphVizdb: A Scalable Platform for Interactive Large Graph Visualization. In 32nd IEEE International Conference on Data Engineering(ICDE 2016) - Demo, Helsinki, Finland, May 2016
- Σ34 M. Meimaris, G. Papastefanatos. Double Chain-Star: an RDF indexing scheme for fast processing of SPARQL joins. In Proceedings of 19th International Conference on Extending Database

Technology (EDBT 2016) - Poster, Bordeaux, France, March, 2016

- Σ33 G. Papadakis, G. Papastefanatos, T. Palpanas, M. Koubarakis. Scaling Entity Resolution to Large, Heterogeneous Data with Enhanced Meta-blocking. In Proceedings of 19th International Conference on Extending Database Technology (EDBT 2016), Bordeaux, France, March, 2016.
- Σ32 M. Meimaris, G. Papastefanatos, P. Vassiliadis, I. Anagnostopoulos. Efficient Computation of Containment and Complementarity in Linked Data Cubes. In Proceedings of 19th International Conference on Extending Database Technology (EDBT 2016), Bordeaux, France, March, 2016.
- Σ31. K Gkirtzou, G Papastefanatos, T Dalamagas. Rdf keyword search based on keywords-to-sparql translation. In Proceedings of the First International Workshop on Novel Web Search Interfaces and Systems Collocated with CIKM 2015, Melbourne, Australia, October 2015
- Σ30. V. Efthymiou, G. Papadakis, G. Papastefanatos, K. Stefanidis, T. Palpanas. Parallel Metablocking: Realizing Scalable Entity Resolution. In IEEE Big Data, Santa Clara, CA, October 2015.
- Σ29. M. Meimaris, G. Alexiou, K. Gkirtzou, G. Papastefanatos, T. Dalamagas. RDF Resource Search and Exploration with LinkZoo. In 4th International Conference on Data Management Technologies and Applications (DATA 15), Colmar, Alsace, France, July 2015.
- Σ28. T. Galani, Y. Stavarakas, G. Papastefanatos, G. Flouris. Supporting Complex Changes in RDF(S) Knowledge Bases. In 1st Workshop on Managing the Evolution and Preservation of the Data Web (Diachron '15), Collocated with ESWC 2015, Portoroz, Slovenia, June, 2015.
- Σ27. M. Meimaris, G. Papastefanatos, C. Pateritsas. An Archiving System for Managing Evolution in the Data Web. In 1st Workshop on Managing the Evolution and Preservation of the Data Web (Diachron '15), Collocated with ESWC 2015, Portoroz, Slovenia, June, 2015.
- Σ26. N. Bikakis, J. Liagouris, M. Krommyda, G. Papastefanatos, T.Sellis. Towards Scalable Visual Exploration of Very Large RDF Graphs. In 12th Extended Semantic Web Conference (ESWC2015) – Poster Track, Portoroz, Slovenia, June, 2015. – Received Best poster award
- Σ25. M. Meimaris, G. Papastefanatos. Containment and Complementarity Relationships in Multidimensional Linked Open Data. In 2nd International Workshop on Semantic Statistics (SEMSTATS 2014), Collocated with ISWC 2014 , Riva Del Garda – Trentino, Italy, October, 2014
- Σ24. E. Katsiri, G. Papastefanatos, M. Terrovitis, T. Sellis. Airport Context Analytics. In 8th International Conference on Web Reasoning and Rule Systems, (RR2014), Athens, Greece, September 2014.
- Σ23. I. Petrou, M. Meimaris, G. Papastefanatos. Towards a methodology for publishing Linked Open Statistical Data. In Samos 2014 Summit on ICT-enabled Governance, Samos, Greece, June, 2014.
- Σ22. M. Meimaris, G. Alexiou, G. Papastefanatos. LinkZoo: A linked data platform for collaborative management of heterogeneous resources. In 11th Extended Semantic Web Conference (ESWC2014) – Demo Track, Anissaras, Crete, Greece, May 2014.
- Σ21. N. Bikakis, M. Skourla, G. Papastefanatos. rdf:SynopsisViz: A Framework for Hierarchical Linked Data Visual Exploration and Analysis. In 11th Extended Semantic Web Conference (ESWC2014) – Demo Track, Anissaras, Crete, Greece, May 2014.
- Σ20. M. Meimaris, G. Papastefanatos, C. Pateritsas, T. Galani, Y. Stavarakas, Towards a Framework for Managing Evolving Information Resources on the Data Web. In 1st International Workshop on Dataset PROFILING & federated Search for Linked Data (PROFILES14), Co-located with ESWC14, Anissaras, Crete, Greece, May 2014.
- Σ19. P. Manousis, P. Vassiliadis, G. Papastefanatos. Automating the adaptation of evolving data-intensive ecosystems. In 32nd International Conference on Conceptual Modeling (ER 2013), Hong Kong, November 2013.

- Σ18. I. Petrou, G. Papastefanatos, T. Dalamagas. Publishing Census as Linked Open Data. A Case Study. In 2nd International Workshop on Open Data (WOD 2013) – Paris, France, June 2013.
- Σ17. G. Papastefanatos, Y. Stavarakas, T. Galani. Capturing the History and Change Structure of Evolving Data. In 5th International Conference on Advances in Databases, Knowledge, and Data Applications (DBKDA 2013), Seville, Spain, January 2013 – Received Best Paper Award
- Σ16. T. Dalamagas, N. Bikakis, G. Papastefanatos, Y. Stavarakas, A. Hatzigeorgiou. Publishing Life Science Data as Linked Open Data: the Case Study of miRBase. In 1st International Workshop on Open Data (WOD 2012) – (Extended Version for ACM Digital Library), Nantes, France, May 2012.
- Σ15. S. Auer, T. Dalamagas, H. Parkinson, F. Bancilhon, G. Flouris, D. Sacharidis, P. Buneman, D. Kotzinos, Y. Stavarakas, V. Christophides, G. Papastefanatos, K. Thiveos. Diachronic Linked Data: Towards Long-Term Preservation of Structured Interrelated Information. In 1st International Workshop on Open Data (WOD 2012) – (Extended Version for ACM Digital Library), Nantes, France, May 2012.
- Σ14. T. Dalamagas, N. Bikakis, G. Papastefanatos, Y. Stavarakas, A. Hatzigeorgiou. Publishing Life Science Data as Linked Open Data: the Case Study of miRBase. In 1st International Workshop on Open Data (WOD 2012), Nantes, France, May 2012.
- Σ13. Y. Stavarakas, G. Papastefanatos, T. Dalamagas, V. Christophides. Diachronic Linked Data: Towards Long-Term Preservation of Structured Interrelated Information. In 1st International Workshop on Open Data (WOD 2012), Nantes, France, May 2012.
- Σ12. Y. Stavarakas, G. Papastefanatos. Using Structured Changes for Elucidating Data Evolution. In 1st International Workshop on Managing Data Throughout its Lifecycle (DaLi 2011 - in conjunction with ICDE 2011), Hannover, Germany, April 2011.
- Σ11. G. Papastefanatos, P. Vassiliadis, A. Simitsis. Propagating Evolution Events in Data-Centric Software Artifacts. In 3rd International Workshop on Hot Topics in Software Upgrades (HotSWUp'11 - in conjunction with ICDE 2011), Hannover, Germany, April 2011.
- Σ10. G. Papastefanatos, P. Vassiliadis, A. Simitsis, Y. Vassiliou. HECATAEUS: Regulating Schema Evolution. In 26th IEEE International Conference on Data Engineering (ICDE'10) - Demo, Long Beach, California, USA, March 1-6, 2010.
- Σ9. Y. Stavarakas, G. Papastefanatos. Supporting Complex Changes in Evolving Interrelated Web Databanks. In 18th International Conference on Cooperative Information Systems (CoopIS'10), Crete, Greece, October 27-29, 2010.
- Σ8. G. Papastefanatos, P. Vassiliadis, A. Simitsis, T. Sellis, Y. Vassiliou. Rule-based Management of Schema Changes at ETL sources. In Workshop on Managing Evolution of Data Warehouses (MEDWa 2009 – in conjunction with ADBIS 09), Riga, Latvia, 7 September, 2009.
- Σ7. G. Papastefanatos, P. Vassiliadis, A. Simitsis, Y. Vassiliou. Design Metrics for Data Warehouse Evolution. In 27th International Conference on Conceptual Modeling (ER '08), Barcelona, Spain, 20-23 October, 2008.
- Σ6. G. Papastefanatos, P. Vassiliadis, A. Simitsis, K. Aggitalis, F. Pechlivani, Y. Vassiliou. Language Extensions for the Automation of Database Schema Evolution. In 10th International Conference on Enterprise Information Systems (ICEIS '08), Barcelona, Spain, 12-16 June, 2008.
- Σ5. G. Papastefanatos, F. Anagnostou, Y. Vassiliou, P. Vassiliadis. Hecataeus: A What-If Analysis Tool for Database Schema Evolution. In 12th European Conference on Software Maintenance and Reengineering (CSMR '08), Athens, Greece, 1-4 April, 2008.
- Σ4. G. Papastefanatos, P. Vassiliadis, A. Simitsis, Y. Vassiliou. What-if Analysis for Data Warehouse Evolution. In 9th International Conference on Data Warehousing and Knowledge Discovery (DaWaK '07), Regensburg, Germany, 3-7 September, 2007.

- Σ3. G. Papastefanatos, P. Vassiliadis, Y. Vassiliou. Adaptive Query Formulation to Handle Database Evolution. In Forum of the 18th Conference on Advanced Information Systems Engineering (CAiSE Forum 2006), Luxembourg June 5-9, 2006.
- Σ2. G. Papastefanatos, K. Kyzirakos, P. Vassiliadis, Y. Vassiliou. Hecataeus: A Framework for Representing SQL Constructs as Graphs. In 10th International Workshop on Exploring Modeling Methods for Systems Analysis and Design - EMMSAD '05 (in conjunction with CAISE'05) - Oporto, Portugal, June 2005.
- Σ1. K. Siassiakos, J. Psarras, G. Papastefanatos, N. Nasios, D. Th. Askounis. Towards a Quality Assurance Framework for Educational Software. In Proceedings of the Web Based Learning Environment European Conference (WBLE'00), Oporto, Portugal, June 2000.

Ελληνικά Συνέδρια και Άλλες Δημοσιεύσεις

- A14. Μ. Μεϊμάρης, Γ. Παπαστεφανάτος, Ν. Μαμουλής, Ι. Αναγνωστόπουλος. Επεκτεταμένα Χαρακτηριστικά Σύνολα: Ευρετηρίαση Γράφων για την Βελτιστοποίηση Ερωτημάτων SPARQL. 15^ο Ελληνικό Συμπόσιο Διαχείρισης Δεδομένων (ΕΣΔΔ'17), Αθήνα, Αύγουστος 2017
- A13. Π. Μανούσης, Α. Ζάρρας, Π. Βασιλειάδης, Γ. Παπαστεφανάτος. Εξαγωγή Εμφωλευμένων Ερωτήσεων μέσω Στατικής Ανάλυσης Πηγαίου Κώδικα. 15^ο Ελληνικό Συμπόσιο Διαχείρισης Δεδομένων (ΕΣΔΔ'17), Αθήνα, Αύγουστος 2017.
- A12. S. Vahdati, G. Alexiou, G. Papastefanatos, C. Lange: Making Use of the Linked Open Data Services for OpenAIRE: Querying Data about Research Results, Persons, Projects and Organizations (Tutorial), In Digital Infrastructures for Research event, Κρακοβία Πολωνίας, 28-30 Σεπτεμβρίου 2016.
- A11. Μ. Μεϊμάρης, Γ. Παπαστεφανάτος, Π. Βασιλειάδης, Ι. Αναγνωστόπουλος. Αποδοτικός υπολογισμός Περικλεισμού και Συμπληρωματικότητας σε Κύβους Δεδομένων RDF. 14^ο Ελληνικό Συμπόσιο Διαχείρισης Δεδομένων (ΕΣΔΔ'16), Αθήνα, Ιούλιος 2016
- A10. Γ. Παπαδάκης, Γ. Αλεξίου, Γ. Παπαστεφανάτος, Γ. Κούτρικα. Σύγκριση Μεθόδων Ομαδοποίησης σε Ομογενή Δεδομένα με διαμόρφωση βασισμένης στο σχήμα vs αγνοώντας το σχήμα των δεδομένων. 14^ο Ελληνικό Συμπόσιο Διαχείρισης Δεδομένων (ΕΣΔΔ'16), Αθήνα, Ιούλιος 2016.
- A9. Γ. Παπαδάκης, Γ. Παπαστεφανάτος, Γ. Κούτρικα. Supervised Meta-blocking, 13^ο Ελληνικό Συμπόσιο Διαχείρισης Δεδομένων (ΕΣΔΔ'15), Αθήνα, Ιούλιος 2015
- A8. Π. Μανούσης, Π. Βασιλειάδης, Γ. Παπαστεφανάτος. Αυτοματοποίηση της Προσαρμογής Εξειλισσόμενων Οικοσυστημάτων Δεδομένων. 12^ο Ελληνικό Συμπόσιο Διαχείρισης Δεδομένων (ΕΣΔΔ'14), Αθήνα, Ιούλιος 2014.
- A7. G. Papastefanatos, Y. Stavrakas: Diachronic Linked Data: Capturing the Evolution of Structured Interrelated Information on the Web. ERCIM News 2014(96).
- A6. I. Petrou, G. Papastefanatos: Publishing Greek Census Data as Linked Open Data. ERCIM News 2014(96).
- A5. G. Papastefanatos. Challenges and Opportunities in the Evolving Data web, In 1st International Workshop on Modeling and Management of Big Data (MoBiD), November 13, 2013, Hong Kong, (Keynote Paper).
- A4. Γ. Παπαστεφανάτος, Π. Βασιλειάδης, Α. Σιμιτσή. Διάδοση Αλλαγών σε Πληροφοριακά Οικοσυστήματα. 11^ο Ελληνικό Συμπόσιο Διαχείρισης Δεδομένων (ΕΣΔΔ'12), Χανιά, Ιούνιος 2012.
- A3. Institute for the Management of Information Systems - Athena Research Center. In SIGMOD Record Vol.41(1), March 2012.

- A2. G. Papastefanatos, Y. Stavrakas, C. Papatheodorou, T. Dalamagas, D. Pfoser, T. Sellis. Collaborative information spaces: Research directions at IMIS. In 2nd ERCIM DIS Workshop On Large scale and federated information spaces. Amsterdam, May 2010 (Invited Paper)
- A1. P.Vassiliadis, G.Papastefanatos, T.Sellis, Y. Vassiliou. Management of the Evolution of Database-Centric Information Systems. In International Workshop on Database Preservation (PresDB 07), Edinburgh March 23, 2007 (Invited Paper)

Διατριβές - Εργασίες

- Δ2 Διδακτορική Διατριβή. Policy Regulated Management of Schema Evolution in Database-centric Environments. Επιβλέπων Καθ.: Ιωάννης Βασιλείου, Εθνικό Μετσόβιο Πολυτεχνείο 2009
- Δ1 Διπλωματική Εργασία: A Quality Assurance Framework for Educational Software, Επιβλέπων Καθ.: Ιωάννης Ψαρρας, Εθνικό Μετσόβιο Πολυτεχνείο 2000.

12. Αναφορές

Ο κ. Παπαστεφανάτος με βάση το προφίλ του στο google scholar (http://scholar.google.gr/citations?user=wnh_FZgAAAAJ&hl) τον Ιούνιο του 2018 έχει πάνω από 580 αναφορές και h-index 16.