



Yannis Marketakis

Curriculum vitae

(June 2023)

<u>Name</u>	Yannis
<u>Surname</u>	Marketakis
<u>Birth Date/ Place</u>	15/01/1984, Heraklion, Crete
<u>e-mail</u>	marketak@ics.forth.gr , (personal : yannismarketakis@gmail.com)
<u>Webpage</u>	http://users.ics.forth.gr/~marketak/
<u>Phone</u>	(+30) 2810 391629
<u>Languages</u>	Greek (Mother tongue) English (First Certificate in English) German (Zertifikat Elementarstufe Deutch)

Education

M.Sc. in Computer Science

<i>Feb 2008 – Apr 2010</i>	Major: Information Systems Thesis: “Conceptual Modeling and Tools for Digital Preservation” Supervisor: Yannis Tzitzikas Average Grade: 8.30 / 10 Computer Science Department, University of Crete.
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B.Sc. in Computer Science

<i>Sep 2004 – Feb 2008</i>	Thesis: “Design and Implementation of a Dependency Management System”. Supervisor: Yannis Tzitzikas Average Grade: 7.58 / 10 Computer Science Department, University of Crete.
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Working Experience

<i>Sep 2011 – Now</i>	R&D Engineer in the Information Systems Laboratory of the Institute of Computer Science (FORTH-ICS).
<i>Feb 2008 – Apr 2010</i>	Research assistant (Graduate Scholar) in the Information Systems Laboratory of the Institute of Computer Science (FORTH-ICS).
<i>Sep 2007 – Feb 2008</i>	Research assistant (Undergraduate Scholar) in the Information Systems Laboratory of the Institute of Computer Science (FORTH-ICS).

Participation in Projects

<i>Jan 2023 - Today</i>	BlueCloud 2026 (Horizon - 862409) “A federated European FAIR and Open Research Ecosystem for oceans, seas, coastal and inland waters”. <u>Role:</u> Implementation of technical facilities for expanding and inter-linking GRSF in the context of the vLab Global Fisheries Atlas
<i>Nov 2022 - Today</i>	EFSA Ontologies “Ontology roadmapping and case study implementation”. <u>Role:</u> Coordination of activities towards an inventory of ontologies for food safety domain, EFSA case study and implementation
<i>Nov 2022 - Today</i>	EKT-Workfun+ “Implementation of a new environment for Workfun”. <u>Role:</u> Technical coordination of activities for the implementation of the new Workfun environment of openABEKT.
<i>Oct 2019 - Today</i>	BlueCloud (H2020 - 862409) “Piloting innovative services for Marine Research & the Blue Economy”. <u>Role:</u> Implementation of technical facilities for expanding and inter-linking GRSF in the context of pilot demonstrator: Fish - a matter of scales
<i>Dec 2019 - Dec 2022</i>	GRSF (LoA FORTH-FAO) “Services and Tools for the Maintenance of the Global Record of Stocks and Fisheries”. <u>Role:</u> Design and Implementation of tools and services for the maintenance of the Global Record of Stocks and Fisheries.
<i>Sep 2019 – May 2022</i>	MINGEI (H2020 - 822336) “Representation and Preservation of Heritage Crafts”. <u>Role:</u> Support with semantic data integration and definition of schema mappings between ontologies
<i>Mar 2020 – Jan 2022</i>	SeaLit “Seafaring Lives in Transition”. <u>Role:</u> Support the semantic data integration and ETL processes
<i>Sep 2019 – Jun 2020</i>	RTI-CHI “Reflectance Transformation Imaging (RTI) - Cultural Heritage Imaging (CHI)”. <u>Role:</u> Support data transformation activities and implementation of a SIP archiver software
<i>Jan 2018 - Mar 2019</i>	Toshiba Research Europe , “A Linked Data-assisted Statistical Spoken Dialogue System”. <u>Role:</u> Support in the development activities
<i>Nov 2017 – Mar 2018</i>	Shared Data Platform , “Design and implementation of a centralized platform that will increase the effectiveness and efficiencies of sharing sustainable seafood information”. Funded by Sustainable Fisheries Partnership (US), SeafoodWatch (US) and FishChoice (US) <u>Role:</u> Design and implementation of services for the shared data platform.
<i>Sep 2015 – Feb 2018</i>	BlueBRIDGE (H2020 - 675680) , “Building Research environments for fostering Innovation, Decision making, Governance and Education to support Blue growth” <u>Role:</u> development of data discovery facilities, data integration using semantic web technologies, coordination of technical activities.

<i>Oct 2015 – Sep 2018</i>	VRE4EIC (H2020 - 676247) , “A Europe-wide Interoperable Virtual Research Environment to Empower Multidisciplinary Research Communities and Accelerate Innovation and Collaboration” <u>Role:</u> design and development of infrastructure for supporting virtual research environments (VREs), coordination of technical activities.
<i>Feb 2016 – Mar 2016</i>	TransSOL (H2020 - 649435) , “Transnational Solidarity at times of crisis”. <u>Role:</u> mined data from websites derived from the 8 European countries of TransSOL.
<i>Jun 2015 – Jul 2015, Aug 2016 – Sep 2016</i>	LiveWHAT (FP7 - 613237) , “Living with Hard Times – How citizens react to economic crises and their social and political consequences”. <u>Role:</u> mined data from websites from 9 European countries – Data transformation and ingestion at LiveWHAT wiki site.
<i>Jan 2015 – Dec 2015</i>	Helbionet - LifeWatch Greece (NSRF) , “Hellenic Network for Biodiversity Research: Construction and Implementation phase for the LifeWatch Centre” <u>Role:</u> support the design and implementation of the LifeWatch Greece infrastructure, development of data web services and APIs.
<i>Sep 2011 – Dec 2014</i>	SCIDIP-ES (FP7 - 283401) , “Science Data Infrastructure for Preservation – Earth Science” <u>Role:</u> design and implementation of services for supporting the digital preservation of earth science data, support the harmonization of earth science models, ontologies and vocabularies, coordination of technical activities.
<i>Nov 2011 – Sep 2014</i>	iMarine (FP 7- 283644) , “Data e-Infrastructure Initiative for Fisheries Management and Conservation of Marine Living Resources” <u>Role:</u> support the development of semantic enrichment of search results, design of semantic models for supporting marine data integration, design and implementation of framework for automating the construction of semantic warehouses, coordination of technical activities.
<i>Sep 2007 – Sep 2009</i>	CASPAR (FP6 - 033572) , “Cultural, Artistic and Scientific Knowledge for Preservation, Access and Retrieval” <u>Role:</u> design and implementation of a dependency management system for the preservation of digital objects.

Software Developed

<i>Gap Manager</i>	Gap Manager is one of the key components of CASPAR. It can aid several tasks related to the preservation of the intelligibility of digital objects. It can be considered as an advanced and extensible semantic registry of data formats. (https://www.ics.forth.gr/isl/SWKM/GapManager/)
<i>Gap Identification Service</i>	Gap Identification Service has been based on GapManager. It has been developed in the context of SCIDIP-ES project. It allows (a) checking the intelligibility/ task performability, (b) identifying dependency-related risks and (c) computing intelligibility gaps.

	(http://int-platform.digitalpreserve.info/dashboard/gap-identification-service/)
<i>PreScan</i>	PreScan is a tool for that can aid the automating the scanning of file systems, the extraction of embedded metadata, the transformation of these metadata to ontological instances and also supports the maintenance of such metadata. (http://www.ics.forth.gr/isl/PreScan/)
<i>MatWare</i>	MatWare is a tool for constructing domain-specific warehouses by aggregating semantic data. The main objective is to tackle the need for having integrated sets of facts regarding a particular domain. (http://www.ics.forth.gr/isl/MatWare/)
<i>LifeWatch Greece data services</i>	LifeWatch Greece Data Services provide the users the appropriate tools to: (a) publish their datasets as Linked Data, (b) import the datasets to the LifeWatch Greece infrastructure, (c) perform information quality improvements and (d) provide the means to efficiently discover datasets. https://github.com/isl/LifeWatch_Greece
<i>GRSF Services</i>	A set of services responsible for the construction and maintenance of Global Record of Stocks and Fisheries (GRSF). The software sources are available through the D4Science repository (http://svn.research-infrastructures.eu/public/d4science/gcube/trunk/application/GRSF/)
<i>X3ML Engine</i>	X3ML Engine is a tool that handles that generation of URIs and the transformation of data resources. https://github.com/isl/X3ML
<i>Timer</i>	Timer is a plugin that can be used for measuring the time when running various tasks in a java program. It is configurable to support aggregate functions over various timers and provides a lightweight solution for benchmarking applications. (https://github.com/ymark/Timer)

Teaching Experience

<i>Fall 2009</i>	Teaching Assistant , “CS562 – Advanced Database Topics”, Computer Science Department, University of Crete.
<i>Spring 2009</i>	Teaching Assistant , “CS351 – Information Systems Analysis and Design”, Computer Science Department, University of Crete.
<i>Fall 2008</i>	Teaching Assistant , “CS463 – Information Retrieval Systems”, Computer Science Department, University of Crete.
<i>Spring 2008</i>	Teaching Assistant , “CS351 – Information Systems Analysis and Design”, Computer Science Department, University of Crete.
<i>Spring 2008</i>	Lecture , “Internet Applications, HTML, CSS, VRML”, Vocational Training Institute, Heraklion, Crete.

Technical Skills

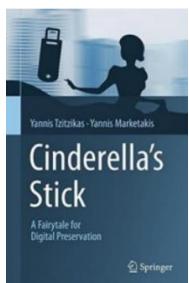
<i>Programming Languages</i>	Java, C, Prolog, Verilog, GW Basic, Fortran, Matlab
<i>Web Programming</i>	HTML, CSS, PHP, JavaScript, J2EE, JSP, XML, GWT, Docker, Swagger, Vaadin
<i>Java Tools / Frameworks</i>	Spring, Vaadin, junit, maven, ant, ivy, gradle
<i>Operating Systems</i>	Windows (XP, Vista, 7, 8, 8.1, 10, 11, 2003 Server), Linux (Debian, Ubuntu, OpenSuse, Fedora) – (usage and administration)
<i>Databases</i>	SQL (MySQL, PostgreSQL), SPARQL (Openlink Virtuoso, OwlIM, Blazegraph)
<i>Semantic Web</i>	RDF, RDF/s , OWL, SPARQL
<i>Administration</i>	Redmine, Jenkins CI, Sonatype Nexus, DevOps, Sonarcube, ETICS, SVN server, CKAN
<i>Misc.</i>	UML, SVN, GIT, LATEX, shell scripting

More Resources



- <https://www.linkedin.com/in/yannis-marketakis-01974552>
https://www.researchgate.net/profile/Yannis_Marketakis
<https://github.com/ymark>
<https://bitbucket.org/ymark/>
ymark_em
<https://www.facebook.com/yannis.marketakis>

Publications



- [1]. X. Zabulis, N. Partarakis, I. Demeridou, P. Doulgeraki, E. Zidianakis, A. Argyros, C. Meghini, V. Bartalesi, N. Pratelli, C. Holz, Paul Streli, M. Meier, M. K. Seidler, L. Werup,

- P. F. Sichani, S. Manitsaris, G. Senteri, A. Dubois, C. Ringas, D. Kaplanidi, D. Arnaud, P. Hee, G. Canavate, M. A. Benvenuti, J. Krivokapic, M. Theodoridou, **Y. Marketakis**, A. Ziova, E. Tasiopoulou. "A Roadmap for Craft Understanding, Education, Training, and Preservation", Preprints.org 2023, 2023061214. <https://doi.org/10.20944/preprints202306.1214.v1>
- [2]. P. Fafalios, **Y. Marketakis**, A. Axaridou, Y. Tzitzikas, and M. Doerr. "A Workflow Model for Holistic Data Management and Semantic Interoperability in Quantitative Archival Research". Journal DSH (Digital Scholarship in the Humanities), 2023.
- [3]. **Y. Marketakis**, Y. Tzitzikas, A. Gentille, B. Van Niekerk, and Marc Taconet. "A Reconciliation Framework for the Integration of Stocks and Fisheries Information". Proceedings of the 10th International Conference on ICT in Agriculture, Food & Environment (HAICTA 2022), September 22-25, 2022, Athens, Greece
- [4]. Y. Tzitzikas, M. Mountantonakis, P. Fafalios, **Y. Marketakis**. "CIDOC-CRM and Machine Learning: A Survey and Future Research". Heritage 2022, 5, 1612-1636. <https://doi.org/10.3390/heritage5030084>
- [5]. **Y. Marketakis**, Y. Tzitzikas, A. Gentille, Bracken Van Niekerk, Marc Taconet. "A Workflow for Supporting the Evolution Requirements of RDF-based Semantic Warehouses". International Journal of Metadata, Semantics and Ontologies, 2022 (accepted for publication).
- [6]. N. Partarakis, P. Doulgeraki, E. Karuzaki, I. Adami, S. Ntoa, D. Metilli, V. Bartalesi, C. Meghini, **Y. Marketakis**, D. Kaplanidi, M. Theodoridou, and X. Zabulis. Representation of Socio-historical Context to Support the Authoring and Presentation of Multimodal Narratives: The Mingei Online Platform. Journal on Computing and Cultural Heritage. Vol. 15 (1), pp 1-26, <https://doi.org/10.1145/3465556>, (2021)
- [7]. Y. Tzitzikas, **Y. Marketakis**. "Cinderella's Stick – A Fairy Tale for Digital Preservation". Springer 2018, ISBN 978-3-319-98487-2. <https://www.cinderella-stick.com/>
- [8]. **Y. Marketakis**, Y. Tzitzikas, A. Gentille, Bracken Van Niekerk, Marc Taconet. "On the Evolution of Semantic Warehouses: The Case of Global Record of Stocks and Fisheries". 14th International Conference on Metadata and Semantics Research (MTSR'20) Madrid, 2020. (**Best Paper Award**)
- [9]. Y. Tzitzikas, and **Y. Marketakis**. Reinforcing Fisheries Management through Semantic Data Integration. ERCIM News, 123, October 2020.
- [10]. Y. Tzitzikas, **Y. Marketakis**. "Decomposing the Digital Preservation Problem with Patterns", 25th Panhellenic Academic Libraries Conference (PALC25), Rethymno, Crete, Greece, Oct. 2019
- [11]. N. Braunschweiler, P. Papadakos, M. Kotti, **Y. Marketakis**, and Y. Tzitzikas. "Crowd-sourced Collection of Task-Oriented Human-Human Dialogues in a Multi-Domain Scenario", 22nd International Conference on TEXT, SPEECH and DIALOGUE (TSD 2019), Ljubljana, Slovenia, Sept. 2019
- [12]. Y. Tzitzikas, **Y. Marketakis**, N. Minadakis, M. Mountantonakis, L. Candela, F. Mangiacrapa, P. Pagano, C. Perciante, D. Castelli, M. Taconet, A. Gentille, G. Gorelli. "Methods and Tools for Supporting the Integration of Stocks and Fisheries", Book Chapter in "Information and Communication Technologies in Modern Agricultural Development", M. Salampasis and T. Bouraris (Eds.): HAICTA 2017, CCIS 953, pp. 1-

- 15, Springer Nature Switzerland AG 2019. https://doi.org/10.1007/978-3-030-12998-9_2.
- [13]. E. Dimitrakis, K. Sgontzos, P. Papadakos, **Y. Marketakis**, A. Papangelis, Y. Stylianou, Y. Tzitzikas. “*On Finding the Relevant User Reviews for Advancing Conversational Faceted Search*”, 4th Workshop on Sentic Computing, Sentiment Analysis, Opinion Mining, and Emotion Detection at ESWC2018, Heraklion, Greece, 2018.
- [14]. A. Papangelis, P. Papadakos, N. Braunschweiler, Y. Stylianou, **Y. Marketakis**, Y. Tzitzikas. “*Information Navigation via Spoken Dialogue and Linked Data*”, Demo paper at ICASSP'18, IEEE International Conference on Acoustics, Speech and Signal Processing, 2018.
- [15]. **Y. Marketakis**, N. Minadakis, Y. Tzitzikas. “*The Global Record of Stocks and Fisheries*” (poster). 11th scientific retreat (FORTH), Heraklion, Crete, Greece. October 2017. <https://doi.org/10.5281/zenodo.1115949>
- [16]. M. Mountantonakis, N. Minadakis, **Y. Marketakis**, P. Fafalios, Y. Tzitzikas. “*Connectivity, Value and Evolution of a Semantic Warehouse*”. Book chapter in “Innovations, Developments, and Applications of Semantic Web and Information Systems”, IGI-Global.
- [17]. Y. Tzitzikas, **Y. Marketakis**, N. Minadakis, M. Mountantonakis, L. Candela, F. Mangiacrappa, P. Pagano, C. Perciante, D. Castelli, M. Taconet, A. Gentille, G. Gorelli. “*Towards a Global Record of Stocks and Fisheries*”. 8th International Conference on Information and Communication Technologies in Agriculture, Food & Environment, September 21-24, 2017, Chania, Crete, Greece.
- [18]. **Y. Marketakis**, N. Minadakis, H. Kondylakis, K. Konsolaki, G. Samaritakis, M. Theodoridou, G. Flouris, M. Doerr. “*X3ML Mapping Framework for Information Integration in Cultural Heritage and beyond*”. International Journal on Digital Libraries, pp 1-19, Springer, DOI 10.1007/s00799-016-0179-1. 2017
- [19]. K. Jeffery, C. Meghini, C. Concordia, T. Patkos, V. Brasse, J. v. Ossenbruck, **Y. Marketakis**, N. Minadakis, E. Marchetti. “*A Reference Architecture for Virtual Research Environments*”, 15th International Symposium of Information Science, 13-15 March 2017, Humboldt-Universität zu Berlin. 2017.
- [20]. N. Minadakis, **Y. Marketakis**, M. Doerr, C. Bekiari, P. Papadakos, A. Gougosis, N. Bailly, C. Arvanitidis. “*LifeWatch Greece data-services: Discovering Biodiversity Data using Semantic Web Technologies*”, Biodiversity Data Journal 4: e8443 (01 Nov 2016) <https://doi.org/10.3897/BDJ.4.e8443>.
- [21]. M. Mountantonakis, N. Minadakis, **Y. Marketakis**, P. Fafalios, Y. Tzitzikas. “*Quantifying the Connectivity of a Semantic Warehouse and Understanding its Evolution over Time*”. International Journal on Semantic Web and Information Systems (IJSWIS) 12(3), pp.: 27-78, 2016. DOI: 10.4018/IJSWIS.2016070102. <http://dx.doi.org/10.4018/IJSWIS.2016070102>
- [22]. Y. Tzitzikas, C. Allocca, C. Bekiari, **Y. Marketakis**, P. Fafalios, M. Doerr, N. Minadakis, T. Patkos, L. Candela. “*Unifying Heterogeneous and Distributed Information about Marine Species through the Top Level Ontology MarineTLO*”. Emerald Group Publishing Limited, Vol. 50 Iss: 1, pp.16 - 40, 2016. DOI: <http://dx.doi.org/10.1108/PROG-10-2014-0072>.

- [23]. N. Minadakis, **Y. Marketakis**, C. Bekiari, M. Doerr, N. Bailly, A. Gougenis, S. Nikolopoulou, D. Mavraki, C. Arvanitidis. “*LifeWatch Greece Data-Services: On Supporting Metadata and Semantics Integration for the Biodiversity Domain*”. In 13th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions (ICZEGAR’2015), Heraklion, Crete, October 2015
- [24]. C. Allocca, M. Doerr, C. Bekiari, N. Bailly, N. Minadakis, **Y. Marketakis**, D. Mavraki, S. Nikolopoulou, C. Arvanitidis. “*Ontologies and Linked Open Data in the LifeWatch Greece Research Infrastructure*”. In 13th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions (ICZEGAR’2015), Heraklion, Crete, October 2015.
- [25]. N. Minadakis, **Y. Marketakis**, H. Kondylakis, G. Flouris, M. Theodoridou, M. Doerr, G. de Jong. “*X3ML Framework: An Effective Suite for Supporting Data Mappings*”. Workshop for Extending, Mapping and Focusing the CRM – co-located with TPDL’2015, Poznan, Poland, September 2015.
- [26]. Y. Tzitzikas, Y. Kargakis, **Y. Marketakis**. “*Assisting Digital Interoperability and Preservation through advanced Dependency Reasoning*”. International Journal on Digital Libraries, October 2014.
- [27]. Y. Tzitzikas, N. Minadakis, **Y. Marketakis**, P. Fafalios, C. Allocca, M. Mountantonakis, I. Zidianaki. “*MatWare: Constructing and Exploiting Domain Specific Warehouses by Aggregating Semantic Data*”. In proceedings of the 11th Extended Semantic Web Conference (ESWC’14), Anissaras, Crete, Greece, May 2014.
- [28]. M. Mountantonakis, C. Allocca, P. Fafalios, N. Minadakis, **Y. Marketakis**, C. Lantzaki, Y. Tzitzikas. “*Extending VoID for Expressing Connectivity Metrics of a Semantic Warehouse*”. In 1st workshop on Dataset PROFILing and fEderated Search for Linked Data (PROFILES 2014) - co-located with ESWC’14. Anissaras, Crete, Greece, May 2014.
- [29]. Y. Tzitzikas, N. Minadakis, **Y. Marketakis**, P. Fafalios, C. Allocca, M. Mountantonakis. “*Quantifying the Connectivity of a Semantic Warehouse*”. In proceedings of the 4th International Workshop on Linked Web Data Management (LWDM 2014), in conjunction with the 17th International Conference on Extending Database Technology (EDBT 2014). Athens, Greece, March 2014.
- [30]. Y. Tzitzikas, C. Allocca, C. Bekiari, **Y. Marketakis**, P. Fafalios, N. Minadakis. “*Ontology-based Integration of Heterogeneous and Distributed Information of the Marine Domain*”. ERCIM News 2014 (96), Special theme: Linked Open Data, January 2014.
- [31]. **Y. Marketakis**, Y. Tzitzikas, C. Tona, M. Argenti, F. Marelli, M. Albani, R. Guarino, B. Polisinelli, R. Bitto . “*On Harmonizing Earth Science Policies, Semantics, Metadata and Ontologies*”. In proceedings of the International Conference PV’2013 (Ensuring the Long-Term Preservation and Value Adding to Scientific and Technical Data). Frascati, Rome, Italy, November 2013.
- [32]. Y. Tzitzikas, C. Allocca, C. Bekiari, **Y. Marketakis**, P. Fafalios, M. Doerr, N. Minadakis, T. Patkos, L. Candela. “*Integrating Heterogeneous and Distributed Information about Marine Species through a Top Level Ontology*”. In proceedings of the 7th Metadata and Semantics Research Conference (MTSR’13), Thessaloniki, Greece, November 2013.

- [33]. A. Riddick, H. Glaves, F. Marelli, M. Albani, C. Tona, **Y. Marketakis**, Y. Tzitzikas, R. Guarino, D. Giaretta, U. Giammatteo. “*SCIDIP-ES - A science data e-infrastructure for preservation of earth science data*”. EGU General Assembly Conference Abstracts, Vienna, Austria, April 2013.
- [34]. A. Riddick, H. Glaves, F. Marelli, M. Albani, C. Tona, **Y. Marketakis**, Y. Tzitzikas, R. Guarino, D. Giaretta, U. Giammatteo. “*The SCIDIP-ES project-towards an international collaboration strategy for long term preservation of earth science data*”. EGU General Assembly Conference Abstracts, Vienna, Austria, April 2013.
- [35]. Y. Tzitzikas, **Y. Marketakis**, Y. Kargakis. “*Conversion and Emulation-aware Dependency Reasoning for Curation Services*”. In proceedings of the 9th Annual International Conference of Digital Preservation (iPres'2012), Toronto, Canada, October 2012.
- [36]. A. Shaon, D. Giaretta, S. Crompton, E. Conway, B. Matthews, F. Marelli, U. Giammatteo, **Y. Marketakis**, Y. Tzitzikas, R. Guarino, H. Brocks, F. Engel. “*Towards a Long-term Preservation Infrastructure for Earth Science Data*”. On proceedings of the 9th Annual International Conference of Digital Preservation (iPres'2012), Toronto, Canada, October 2012.
- [37]. P. Fafalios, I. Kitsos, **Y. Marketakis**, C. Baldassarre, M. Salampasis, Y. Tzitzikas. “*Web Searching with Entity Mining at Query Time*”. In proceedings of the 5th International Retrieval Facility Conference, IRF'2012, Vienna, Austria, July 2012.
- [38]. Y. Tzitzikas, **Y. Marketakis**, G. Antoniou: “*Task-Based Dependency Management for the Preservation of Digital Objects Using Rules*”. In proceedings of the 6th Hellenic Conference on Artificial Intelligence. SETN'2010, Athens, Greece, 2010.
- [39]. **Y. Marketakis**, M. Tzanakis, Y. Tzitzikas: “*PreScan: Towards Automating the Preservation of Digital Objects*”. In Proceedings of the International ACM Conference on Management of Emergent Digital EcoSystems, MEDES'2009. Lyon, France, 2009.
- [40]. P. Papadakos, Y. Theoharis, **Y. Marketakis**, N. Armenantzoglou, Y. Tzitzikas. “*Mitos: Design and Evaluation of a DBMS-Based Web Search Engine*”. In proceedings of the 12th Panhellenic Conference on Informatics, PCI'2008, Samos, Greece, 2008.
- [41]. M. Theodoridou, Y. Tzitzikas, M. Doerr, **Y. Marketakis**, V. Melessanakis. “*Modeling and Querying Provenance by Extending CIDOC CRM*”. Distributed and Parallel Databases 27(2). 2010.
- [42]. **Y. Marketakis**, Y. Tzitzikas. “*Dependency Management for Digital Preservation using Semantic Web Technologies*”. International Journal on Digital Libraries 10(4). 2009.
- [43]. Y. Tzitzikas, **Y. Marketakis**. “*Automating the Ingestion and Transformation of Embedded Metadata*”. ERCIM News 2010, Issue 80, 2010.
- [44]. Y. Tzitzikas, **Y. Marketakis**, V. Christophides. “*Preservation of Intelligibility of Digital Objects*”, in Book “Advanced Digital Preservation”, D. Giaretta ed., Springer 2011.
- [45]. N. Armenantzoglou, **Y. Marketakis**, L. Kriara, E. Apostolopoulos, V. Papavasiliou, D. Kampas, A. Kapravelos, E. Kartsonakis, G. Linardakis, S. Nikitaki, A. Bikakis, G. Antoniou. “*FlexConf: A Flexible Conference Assistant Using Context-Aware Notification Services*”. OTM 2009 Workshops. Vilamoura, Portugal, 2009.

- [46]. P. Papadakos, Y. Theoharis, **Y. Marketakis**, N. Armenantzoglou, Y. Tzitzikas. “*Object-Relational Database Representations for Text-Indexing*”. In CoRR, Information Retrieval, abs/0906.3112, 2009.
- [47]. P. Papadakos, G. Vasiliades, Y. Theoharis, N. Armenantzoglou, S. Kopidaki, **Y. Marketakis**, M. Daskalakis, K. Karamaroudis, G. Linardakis, G. Makrydakis, V. Papathanasiou, L. Sardis, P. Tsialiamanis, G. Troulinou, K. Vandikas, D. Velegrakis, Y. Tzitzikas. “*The Anatomy of Mitos Web Search Engine*”. In CoRR, Information Retrieval, abs/0803.2220, 2008.
- [48]. **Y. Marketakis**, “*Conceptual Modeling and Tools for Digital Preservation*”, Master Thesis, University of Crete, April 2010.
- [49]. Y. Tzitzikas, P. Papadakos, N. Armenantzoglou, **Y. Marketakis**. “*Object Oriented Programming in Java*”. Handbook for Instructors of High Schools in Greece, under the supervision of Ministry of Education.

Additional Info

<i>Research Interests</i>	information systems, digital preservation, knowledge representation using Semantic Web technologies, linked data, data integration using semantic web technologies, conceptual modeling
<i>Other Interests</i>	(Motor)biking, music, cinema, reading, hiking, travelling
<i>Military Services</i>	Completed on Feb 2011(Kalamata(GR), Aylona(GR), Malounta/Nicosia(CY))