General Information

Haridimos Kondylakis is currently a collaborating Researcher at Computational BioMedicine (CBML) & Information Systems (ISL) laboratories, Institute of Computer Science, Foundation of Research & Technology-Hellas (FORTH). He is also a visiting lecturer at the Computer Science Department, University of Crete and at the Department of Electric and Computer Engineering, at Hellenic University of Crete, teaching lessons related to semantic web, data management and AI.

He holds a Ph.D and a M.Sc. in Computer Science from University of Crete. His interests include topics in AI, scalable data mining, semantic-based, big data management topics and their application in healthcare.

In the past he has participated in more that 20 EU research projects with a total budget over 100Mie and he is currently participating in two H2020 EU (BOUNCE - WP Leader & STARS Technical Manager) and on national (iQARuS as PI) research projects.

He has more than 150 publications in international conferences, books and journals including ACM SIGMOD, VLDB, JWS, KER, EDBT, ISWC, ESWC etc. He is the guest editor of FRONTIERS for the research topic "Scalable Data Science", the publicity chair of ISWC 2020 and the organizer of the International Workshop on Semantic Web Technologies for Health Data Management. He also acts as a regular reviewer and a PC member for a number of premier journals and conferences, such as JWS, JODS, CIKM, EDBT, ISWC etc.

Personal Information

First name(s) / Surname(s)	**Haridimos Kondylakis**
Father's Name	Georgios
Place of Birth	Heraklion, Crete
Date of birth	25/09/1981
E-mail(s)	kondylak@ics.forth.gr
Address	Krassadaki 58, 71409 Heraklion (Greece)
Mobile Phone	+30 697 77 18 168
Web Page	http://users.ics.forth.gr/~kondylak/

Education

Title of qualification awarded, Date	**PhD in Information Systems, December 2010**
PhD doctorate dissertation title	Ontology Evolution in Data Integration
Supervisor	Dimitris Plexousakis
Name and type of organisation providing education and training	Computer Science Department, University of Crete (University)
Title of qualification awarded	**Master of Science, April 2006**
Principal subjects / occupational skills covered	Information Systems & Networks & Telecommunications
Name and type of organisation providing education and training	Computer Science Departments, University of Crete (University)
Title of qualification awarded	**Bachelor in Computer Science, November 2003**
Name and type of organisation providing education and training	Computer Science Department, University of Crete (University)

Employment record

Collaborating Researcher	Foundation of Research & Technology-Hellas (FORTH) October 2011 - Present

Basic and applied research around semantics and big data management infrastructures within several EU-founded research projects |
| **Visiting Lecturer** | Computer Science Department, University of Crete February 2014 – Present

Teaching graduate courses on data management |
| **Visiting Lecturer** | Department of Electric and Computer Engineering, Hellenic University of Crete February 2014 - Present

Teaching graduate and undergraduate courses on data management, semantic web and AI |
| **IT Consultant** | MES Energy SA

Consulting the company on data management topics for the competitive development of their own infrastructure and participation in research proposals. |

Research Programs Evaluator	General Secretariat for for Research and Technology (GGET), Ministry of Education, Research and Religious Affairs May 2016 – Now Evaluator for various national research programs.
Science Specialist Programmer / Analyst	Hellenic Army November 2010 - August 2011 Development and extensions of Hellenic Army's Information Systems
Research Assistant	Foundation of Research & Technology-Hellas (FORTH) July 2003 - October 2010 Basic and applied research around semantic based management of data within several EU-founded research projects
R & D Engineer	PLANET S.A June 2008 - October 2008 Extending the core ontology of TEAM-EU research project
R & D Engineer	Multimedia Laboratory, University of Crete December 2002 – October 2003 Development of the Web Site of University of Crete and database applications
External Collaborator, R & D Engineer	PlanetMedia – Web Development Company January 2002 – January 2005 Development of web sites and professional web pages

Organizational Activities

Organizer	o ISWC – International Semantic Web Conference 2020 o SWH - International Workshop on Semantic Web Technologies for Health Data Management@International Semantic Web Conference (ISWC) 2018, 2019, 2020 o IEEE CBMS - Special track Empowering Patients with Cancer through Connected Health, 2017, 2018, 2019 o ISIP - International Workshop on Information Search, Integration, and Personalization, 2019 o ISWC communication chair o IEEE BIBE special session chair
Editorial Board	o Lead Guest Editor for JBI Special Issue on Personal Health Record Systems o Information-MDPI 2019-2015 o International Journal of Web Engineering and Technology – InderScience - 2019-2015 o NCS TLDKS Journal (Transactions on Large Scale Data and Knowledge-Centered Systems) 2014,

	o Computers in Industry, Special issue (SI) on The Role of Ontologies in Future Web-based Industrial Enterprises 2014, o Journal on Data Semantics (JoDS) 2012
Advisory Board	o Sci -Applied Sciences | An Open Access Journal from MDPI
PC Member	CIKM 2020, ESWC 2020, SEOData 2020, ESWC 2019, BIBE 2019, CBMS 2019, AMIA 2019, ICTERI 2019, MEDINFO 2019, ICTERI 2018, AMIA 2018, ICTERI 2018, AMIA 2018, 2017, ExploreDB 2018, 2017, ISIP 2017, Nordic Centre Conference 2017, AIME Conference 2018, 2017, ExporeDB Workshop @ SIGMOD Conference, Melbourne, Australia, 2015, ExporeDB Workshop @ EDBT Conference, Athens, Greece, 2014, International Workshop on Ontologies in Advanced Information Systems, Genoa, Italy, 2013, International Workshop on Ontologies in Advanced Information Systems, Poznal, Poland, 2012
Reviewer	WWW 2020, EDBT 2020, ESWC 2020, JBHI 2020, THE BREAST 2020, EDBT 2019, JBI 2019, JMIR 2019, JBHI 2019, KAIS 2019, WISE 2019, ADBIS 2019, IJWET 2019, JMIR 2019, ISWC 2019. Assistive Technology 2018, Frontiers 2018, WWW 2018, ICDE 2018, KAIS 2018, CIKM 2018, ICTERI 2018, IJMI 2018, IJWET 2018, Information 2018, ISWC 2018, JBHI 2018, JMIR 2018, TIME 2018, Algorithms 2018, KAIS 2017, TPDL 2017, ISWC 2017, JWS 2017, JBHI 2017, Journal of Web Semantics 2017, IEEE Journal of Biomedical and Health Informatics (BHI), DASFAA 2017, Computer Methods and Programs in Biomedicine (CMPB) 2017 - Elsevier Journals , WWW 2017, Computer Methods and Programs in Biomedicine (CMPB) 2016 - Elsevier Journals, ISWC 2016, VLDB 2016, IJWET 2016, IJMI 2016, CIKM 2016, WWW 2016, Computer Methods and Programs in Biomedicine (CMPB) 2015 - Elsevier Journals , ISWC 2015, IJWET 2015, Internet Interventions 2015 - Elsevier Journals, The Computer Journal 2015 - Oxford Journals, JWS 2015, SOFSEM 2014,CIKM 2014, ISWC 2014, Transactions on Large-Scale Data- and Knowledge-Centered Systems 2014, Caise 2014, Journal of Web Semantics 2014 – Elsevier, Artificial Intelligence Review Journal 2013 - Springer, Computers in Industry Journal 2013 - Elsevier, IEEE Journal of Biomedical and Health Informatics 2013, CMPB (Journal) 2013, EDBT 2012, BIBE 2012, JODS (Journal) 2012, CMPB (Journal) 2012, ISWC 2012, CaiSE 2012, JIST 2012, DesWeb 2012
Service in Think Tanks	o Expert Group Member, Participated in the think-tank about possible **Japan-EU** collaborations in Tokyo, March 2016. o Expert Group Member, Participated in think-tank of the VPH Institute for shaping EU's policy on healthcare data management (VPH Workshop On Clinical Data Management and Sustainability March 2015)
Invited Presentations	o Haridimos Kondylakis, Empowering patients and strengthening self-management in cancer diseases, eHealthForum Conference , October 2017, Athens, Greece o Haridimos Kondylakis, The iManageCancer personal health record, eHealthForum Conference , October 2016, Athens, Greece o **Conference Keynote**: Kondylakis, H.: Big Data in European Health Projects, JST Conference, 2016, Japan

o Kondylakis, H.: Tools and repositories for data storage or distributed data access, VPH Workshop on Clinical Data Management and Sustainability, Amsterdam (2015)

o Kondylakis, H., Doerr, M., de Jong, G., Oldman D.: X3ML An interface for sustainable management of data management mapping process, BM meet-up "Semantics and Cultural Heritage", London (2014)

o Kondylakis, H.: From data sharing and integration via VPH models to personalized medicine, p-medicine, Clustering Event on Ambient Intelligence, Advanced Technologies in Support of Healthcare and Assisted Living, Heraklion, Crete, Greece, 26-27th September (2013)

o Kondylakis, H., Doerr, M., Plexousakis, D.: CIDOC-CRM Method: A Standardization View, BOC Partner Meeting, Vienna, September 8 (2011)

Teaching Activities

Computer Science Department, University of Crete

Visiting Lecturer

- Database Management Systems (CS460) – Undergraduate Course
  (Fall 2019, Fall 2018, Fall 2017, Fall 2016, Fall 2015, Fall 2014)

- Advanced Database Systems (CS562) – Postgraduate Course
  (Fall 2017, Fall 2016, Spring 2016, Spring 2014)

Student Supervising

Ph.D Students

- Georgia Troulinou – Summary based stream processing of RDF/S datasets (2018/2019)

Master Students

- Nikos Kardoulakis – Structure Discovery for RDF/S KBs (2020)

- Petros Zervoudakis - Incremental Evaluation of Continuous Analytic Queries on a High-Level Query Language (2019)

- Giannis Agathaggelos – Indexing Linked Data based on importance measures (2018)

- Alexandros Pappas - Summaries of Graph Databases (2017)

- Maria Stratigi - Recommendation & Preferences (2017)

Underdraduate Students

- Kostas Melesanakis - CQL to SQL translator (2019)

- Elena Louka - Medical Chatbot (2019)

- Giannikoy Vasiliki - SPARQL query answering demo using SPARK (2019)

- Christos Dardamanis – Analysis of evolution of social graphs (2019)

- Kyriazis Lazaridis, Aimilios Diakakis – A serious game for increasing citations through semantic technologies (2019)

- Giannis Makrypodis – Developing a psychoemotional ontology for cancer (2019)
- Alexandros Charisiadis - Query parser for NoSQL Databases (2019)
- Kostas Melesanakis – Join operators over NoSQL databases (2019)
- Christos Athinaiou – Visual Exploration of Schema evolution using provenance queries (2019)
- Savvas Kalarhakis – Parallel Data Series Indexing over Spark (2018)
- Fanourios Zervakakis – Parallel Data Series Indexing Using Multithreading (2018)
- Nikos Karamesinis – A personalized search engine for heatlh documents (2018)
- Nikos Kardoulakis - DB Navigation using Mobile Devices (2018)
- Stavros Zafeiris – DNA indexing using data series indexes (2018)
- Thanos Georgiou –DNA pipelines using SPARK (2018)
- Giorgos Karagiannidis - Double indexing for scalable distributed data series query answering (2018)
- Giorgos Dimitriadis - iSAX Indexing (2017)
- Thomas Triantafyllou - iSAX Indexing (2017)
- Giorgos Aggelousis – Clustered Data Analysis of health data (2017)
- Dimitris Anagnostopoulos - DB Navigation using Mobile Devices (2016)
- Mixalis Smyrlis – Benchmarking Question Answering Systems (2016)
- Tsakountakis Giorgos - Detection of SQL Injection attempts (2016)
- Apostolos Planas - Benchmarking Joins over NoSQL Databases (2016)
- Kostas Maninakis - Visualizing Ontology Evolution (2015)
- Antonis Fountouris - Implementing Joings over NoSQL Databases (2015)

Department of Electric and Computer Engineering at Hellenic Mediterranean University

Visiting Lecturer

- Knowledge Systems
  (Fall 2019, Fall 2017)
- Artificial Intelligence – Postgraduate Course
  (Spring 2019, Spring 2018, Spring 2017, Spring 2016, Spring 2014, Spring 2013)
- Semantic Web – Postgraduate Course
  (Fall 2019, Fall 2018, Fall 2017, Fall 2015, Fall 2014, Fall 2013)
- Advanced Programming – Undergraduate Cource
  (Fall 2019, Fall 2016)

Laboratory Assistant

- Principles of Information Systems – Undergraduate Course (Spring 2015)
- Advanced Databases – Undergraduate Course (Spring 2015)
- Web Programming – Undergraduate Course (Fall 2006, Spring 2007, Fall 2007, Spring 2008)
- Object-Oriented Programming – Undergraduate Course (Fall 2008, Spring 2009)

Student Supervising

PHD Students

- Georgia Trouli – Machine learning for Generic Graph Summaries (2019)

Postgraduate Students

- Georgia Trouli – Machine learning for RDF/S Summaries (2019)
- Alekos Eythymios - Developing a psychoemotional ontology for cancer (2019)
- Alexandros Damianakis – Ontology exploration through mobile devices (2019)
- Giannis Tsampos– Semantic Based NLP (2016)
- Popi Kanaki – Implementing Clinical Guidelines (2015)

Undergraduate Students

- Manos Gemeliaris – Implementing a classification algorithm over SPARK (2018)
- Mihalis Giannoulis – Extending PHR systems with rules (2017)
- Marios Vardalahakis - Implementing a platform for eHealth Smart Analytics (2017)
- Nikos Kosmadakis – Extending a Personal Health Record System (2014)
- Stelios Ninidakis – Extending a Personal Health Record System (2014)

Computer Science, Technological Educational Institute of Crete

Laboratory Assistant

- Programming I – Laboratory (Spring 2008)
- Using Information Technology Systems – Laboratory (Spring 2009)
- Programming II – Laboratory (Spring 2009, Spring 2010, Fall 2010)
- Information Technology – Laboratory (Spring 2010, Fall 2010, Spring 2011, Fall 2011, Fall 2012)
- Programming I – Laboratory (Spring 2011, Spring 2012)
- Applications of IT in Tourism – Laboratory (Spring 2013)

Vocational Training Institute of Crete

Laboratory Assistant

- Oracle Databases (1 Semester)
- Database Systems (1 Semester)

Research Interests & Major Collaborations

Research Interests	Scalable Data Mining
	Data Science
	Machine Learning
	Big data management
	Integration of big, heterogeneous data
	Personal Health Systems
	Data series indexing and querying
	Query languages, evolution operators,
	Data Structures, Modelling and Management
	Knowledge Representation & Data Management
	Information Extraction
	Conceptual Modelling
	Information Integration and Retrieval Systems for the web
	Interoperability of Heterogeneous and Distributed Information Bases
	Biomedical Information Systems.
Major Collaborations	Haridimos Kondylakis has an extensive collaboration record with high profile academic institutes and industrial companies. Some indicative results are the following:
Academic Institutes	**Harvard University & Paris Descartes University:** Indexing and mining big data series (VLDBJ 2019, SIGMOD 2019, PVLDB 2018).
	Oxford University: Extending & evaluating of a Personal Health Record System for cancer patients.
	INRIA: Semantic Summarizations (VLDB 2019).
	University of Tampere: Recommendation systems for health (ICDE 2018, DEXA 2018).
	Fraunhofer IBMT: Developing a cancer specific self-management platform for patients (JBI 2019, JBI 2018, BHI 2018, CBMS 2017).
	University College London: Developing a Data Warehouse Module for storing PHR information.
	European Institute of Oncology: Developing smart recommendation and profiling tools for cancer patients (CBMS 2017).
	Technical University of Madrid: Developing a Semantic Warehouse for healthcare information (JBI 2016).
Industry	**PHILIPS Research**: Ontology based integration of heterogeneous sources for cancer (JBI 2016).
	XEROX: Semantic Annotation of Web Documents for a Personal Medical Information Recommender (MEDINFO 2015).
	Oracle Labs Switzerland: Data partitioning for PGX project.

Prizes/Awards/ Scholarshiprs	• Post-Doctoral IKY scholarship (2017-2018) for partitioning and indexing RDF/S data in clustered environments
	• Paper Award - Best of medical informatics for the 2017 IMIA Yearbook of Medical Informatics for the paper "Donor's support tool: Enabling informed secondary use of patient's biomaterial and personal data"
	• Teaching Grants - Acquisition of academic teaching experience to young scientists PhD holders (Fall 2018, Spring 2018, Fall 2017, Spring 2017, Fall 2016)
	• Top-3 conference ranked paper "iManageCancer: Developing a platform for Empowering patients and strengthening self-management in cancer diseases" CBMS 2017.
	• RDF Digest finalist in the "European Linked Data Contest", 2016
	• Top 3 rated paper in ESWC conference - the second best conference in the area of the semantic web: RDF Digest: Efficient Summarization of RDF/S KBs
	• PHD fellowship, FORTH-ICS (2006-2010)
	• MSc fellowship, FORTH-ICS (2003-2006)
	• Undergraduate fellowship, FORTH-ICS (2002-2003)

Participation in Research Programmes and Funding Sources

Haridimos Kondylakis has clearly demonstrated independence and research maturity by initiating and leading the writing of several national, FP7 and H2020 proposals. Three of the latest ones were the BOUNCE, the STARS and the iManageCancer H2020 research proposals, which were successfully funded. Furthermore, he has an extensive experience in participating in EU-funded research projects. From 2003 and on he has worked in the following projects initially as a R&D engineer and then as a post-doctoral researcher:

STARS H2020	Empowering Patients by Professional Stress Avoidance and Recovery Services
Assigned Responsibilities	Technical Manager, Leader of tasks for data integration and management
MyPal H2020	Fostering Palliative Care of Adults and Children with Cancer through Advanced Patient Reported Outcome Systems (H2020).
Assigned Responsibilities	Data Management WP leader
Relief H2020	Recovering Life Wellbeing Through Pain Self-management Techniques Involving ICTs
Assigned Responsibilities	Scientific & Technical Manager
BOUNCE	Predicting Effective Adaptation to Breast Cancer to Help Women to BOUNCE Back

H2020	
Assigned Responsibilities	WP Leader, Semantic Integration, Data Indexing & Partitioning Ontology Evolution & Summarization
iManageCancer H2020	Empowering patients and strengthening self-management in cancer diseases CO-PI
Assigned Responsibilities	Distributed Data Management Semantic Integration & interoperability Data Partitioning Personal Medical Recommendations Ontology Evolution & Summarization
MyHealhAvatar FP7	A Demonstration of 4D Digital Avatar Infrastructure for Access of Complete Patient Information
Assigned Responsibilities	WP Leader of Data Management WP Distributed Data management Semantic Models Data Integration Knowledge Extraction
EURECA FP7	Enabling information re-Use by linking clinical REsearch and CAre
Assigned Responsibilities	Semantic Models Data Integration Knowledge Extraction
p-MEDICINE FP7	From data sharing and integration via VPH models to personalized medicine
Assigned Responsibilities	Semantic Integration in Data Warehouses Ontology-based data mining in Data Warehouses Ontology evolution in Data Warehouses
eHealthMonitor FP7	Intelligent Knowledge Platform for Personal Health Monitoring Services
Assigned Responsibilities	Semantic Models Data Integration Knowledge Extraction

Integrate FP7	Driving Excellence in Integrative Cancer Research through Innovative Biomedical Infrastructures
Assigned Respo +++nsibilities	Semantic Integration in Data Warehouses Ontology-based data mining in Data Warehouses Ontology evolution in Data Warehouses
plugIT FP7	Business and IT Alignment using Model-Based Plug-In Framework
Assigned Responsibilities	Development of Next Generation Modelling Methodology Development of Next Generation Modelling Framework Domain Ontology engineering through models
TEAM FP6	Tightening Knowledge Sharing in Distributed software communities by applying semantic technologies
Assigned Responsibilities	Evaluation and Refinement of the TEAM Ontology
LOCCANDIA FP6	Lab-On-Chip based protein profiling for CANcer DIAgnosis
Assigned Responsibilities	Specifications and Design for the Proteomic Information Platform Design and Specifications for the external components integration
ACGT FP6	Advancing Clinico-Genomic Clinical Trials on Cancer
Assigned Responsibilities	Specification & Development of Semantic tools for integrating clinico-genomic data Biomedical ontology development (Now an OBO foundry ontology)
PROGNOCHIP GSRT	Development and Establishment of DNA Microarray Technology in Greece: Identification and Validation of Classification and Prognosis Molecular Markers for Breast Cancer
Assigned Responsibilities	Development of a platform for modeling & storing Microarray experiments Integration of clinico-genomic data in order to extract dna markers
Selene EU – IST	Advancing Clinico-Genomic Clinical Trials on Cancer
Assigned Responsibilities	Creation of RDF description for e-learning
CYCLADES EU – IST	Advancing Clinico-Genomic Clinical Trials on Cancer
Assigned Responsibilities	Evaluation of Cyclades system

Publications

Journal Publications
-2019-

[1] Haridimos Kondylakis, Niv Dayan, Kostas Zoumpatianos, Themis Palpanas, Coconut: Sortable Summarizations for Scalable Indexes over Static and Streaming Data Series, **VLDB Journal**, 2019

[2] Sejla Cebiric, Francois Goasdoue, Haridimos Kondylakis , Dimitris Kotzinos, Ioana Manolescu, Georgia Troullinou, Mussab Zneika, Summarizing Semantic Graphs: A Survey, **VLDB** 2019.

[3] Haridimos Kondylakis , Niv Dayan, Kostas Zoumpatianos, Themis Palpanas, Coconut Palm: Static and Streaming Data Series Exploration Now in your Palm, **SIGMOD** 2019.

[4] Michail Giannoulis, Haridimos Kondylakis ,Emmanouil Marakakis, Designing and implementing a collaborative health knowledge system, **Expert Systems with Applications (ESWA)**, 126, pp. 277-294, 2019

[5] Haridimos Kondylakis , Dimitris Kotzinos, Ioana Manolescu, RDF graph summarization: principles, techniques and applications, **EDBT**, pp. 433-436, 2019

[6] Christos Athinaiou Haridimos Kondylakis, VESEL: VisuaL Exploration of Schema Evolution using Provenance Queries, **EDBT workshops**, 2019

[7] Andreas Triantafyllidis, Haridimos Kondylakis, Konstantinos Votis, Dimitrios Tzovaras, Nicos Maglaveras, and Kazem Rahimif, Features, Outcomes, and Challenges in Mobile Health Interventions for Patients Living with Chronic Diseases: A Review of Systematic Reviews, **International Journal of Medical Informatics**, 2019

[8] Haridimos Kondylakis, Anca Bucur, Chiara Crico, Feng Dong, Norbert Graff, Stefan Hoffman, Lefteris Koumakis, Alice Manenti, Kostas Marias, Ketti Mazzocco, Gabriella Pravettoni, Chiara Renzi, Fatima Schera, Stefano Triberti, Manolis Tsiknakis, Stephan Kiefer, Patient Empowerment for Cancer Patients through a Novel ICT Infrastructure, **Journal of Biomedical Informatics**, 2019 (impact factor (5-year) 3.7)

[9] Georgios Manikis, Konstantina Kourou, Paula Poikonen-Saksela, Haridimos Kondylakis, Evangelos Karademas, Kostas Marias, Dimitrios Katehakis, Lefteris Koumakis, Angelina Kouroubali, Ruth PatHorenczyk, Dimitrios Fotiadis, Manolis Tsiknakis and Panagiotis Simos, Computational modeling of psychological resilience trajectories during breast cancer treatment, **BIBE**, 2019

[10] Haridimos Kondylakis, Kostas Stefanidis. Towards Education and Emotion Based Semantic Group Recommendations for Health, **Proceedings of SWH** 2019

[11] Konstantina Kourou, Haridimos Kondylakis, Lefteris Koumakis, Georgios C. Manikis, Kostas Marias, Manolis Tsiknakis, Panagiotis G. Simos, Evangelos Karademas and Dimitrios I. Fotiadis, Computational Models for Predicting Resilience Levels of Women with Breast Cancer, **MEDICON**, 2019

[12] Haridimos Kondylakis , Antonis Fountouris, Apostolos Planas, Georgia Troullinou, and Dimitris Plexousakis, Enabling Joins over Cassandra NoSQL Databases, **Innovate-Data** 2019

[13] Angelina Kouroubali, Haridimos Kondylakis, Lefteris Koumakis, George Papagiannakis, Paul Zikas, Dimitrios G. Katehakis, iSupport: Building a Resilience Support Tool for Improving the Health Condition of the Patient During the Care Path, **Stud Health Technol Inform**.,261, pp. 253-258, 2019

[14] Haridimos Kondylakis, Yannis Petrakis, Svoronos Leivadaros, Galatia Iatraki and Dimitrios Katehakis, Using XDS and FHIR to Support Mobile Access to EHR Information Through Personal Health Apps, **IEEE CBMS**, 2019

[15] Haridimos Kondylakis, Lefteris Koumakis, Dimitrios Katehakis, Angelina Kouroubali, Kostas Marias, Manolis Tsiknakis, Panagiotis Simos and Evangelos Karademas, Developing a Data Infrastructure for Enabling Breast Cancer Women to BOUNCE Back, **IEEE CBMS**, 2019

[16] Konstadina Kourou, Haridimos Kondylakis, Lefteris Koumakis, Georgios C. Manikis, Kostas Marias, Manolis Tsiknakis, Panagiotis G. Simos, Evangelos Karademas and Dimitrios I. Fotiadis, A Reference Architecture for Predicting Resilience Levels of Women with Breast Cancer **, IEEE BHI** 2019.

[17] Haridimos Kondylakis ,Kostas Stefanidis, Praveen Rao, Report on the First International Workshop on Semantic Web Technologies for Health Data Management (SWH 2018), **SIGMOD Record**, 2019

[18] Aris Papakonstantinou, Haridimos Kondylakis, and Emmanouil Marakakis, MediExpert: Differential Diagnosis for Educational Purposes, **EAI Endorsed Transactions on e-Learning**, 2019 (in press)

[19] Haridimos Kondylakis ,Santiago Hors-Fraile, Lefteris Koumakis, Angelina Kouroubali, George Notas, Alejandro Rivero-Rodriguez, Prodromos Sidiropoulos, Akis Simos, Dimitrios Katehakis, An Innovative, Information and Communication Technology Supported Approach, Towards Effective Chronic Pain Management**, International Journal of Reliable and Quality E-Healthcare (IJRQEH)**, 8(1), pp. 23-39, 2019

[20] Marios Vardalachakis, Haridimos Kondylakis, Lefteris Koumakis, Angelina Kouroubali, Dimitrios G. Katehakis, ShinyAnonymizer: A Tool for Anonymizing Health Data, **International Conference on Information and Communication Technologies for Ageing Well and e-Health (ICT4AWE)**, 2019

[21] Giannis Agathangelos, Georgia Troulinou, Haridimos Kondylakis, Dimitris Plexousakis, Efficient Query Answering over big RDF data using Spark, **The 13th International Workshop on Information Search, Integration, and Personalization, 2019**

[22] Petros Zervoudakis, Haridimos Kondylakis, Dimitris Plexousakis, Nicolaos Spyratos, Incremental Evaluation of Continuous Analytic Queries on a High-Level Query Language, **The 13th International Workshop on Information Search, Integration, and Personalization**, 2019

[23] Angelina Kouroubali, Lefteris Koumakis, Haridimos Kondylakis, Dimitrios G. Katehakis, An Integrated Approach towards Developing Quality Mobile Health Apps for Cancer, **Mobile Health Applications for Quality Healthcare Delivery** , 2019, IGI Global

[24] Haridimos Kondylakis, Lefteris Koumakis, Ketti Mazzocco, Manolis Tsiknakis, Kostas Marias, Participatory aspects of ICT infrastructures for cancer management, **P5 eHealth: an agenda for the health technologies of the future** , 2019, Springer

-2018-

[25] Haridimos Kondylakis , Niv Dayan, Kostas Zoumpatianos, Themis Palpanas, Coconut: A Scalable Bottom-Up Approach for Building Data Series Indexes, **PVLDB** 11(6), pp. 677-690, 2018 (SJR (2016):1.24)

[26] Haridimos Kondylakis, Nikos Papadakis, EvoRDF: Evolving the Exploration of Ontology Evolution, **Knowledge Engineering Review Journal (KER)**, 33, e12, 2018 (SJR (2016):0.5)

[27] Sejla Cebiric, Francois Goasdoue, Haridimos Kondylakis. Dimitris Kotzinos, Ioana Manolescu, Georgia Troullinou, Mussab Zneika, Summarizing Semantic Graphs: A Survey, **VLDB Journal**, 2018
(SJR (2016):0.82)

[28] Galatia Iatraki, Haridimos Kondylakis, Lefteris Koumakis, Maria Chatzimina, Kostas Marias, Manolis Tsiknakis, Personal Health Information Recommender: A Tool for the Empowerment of Cancer Patients, **eCancer Medical Science**, 12, 848, 2018
(SJR (2016):0.52)

[29] Haridimos Kondylakis , Lefteris Koumakis, Manolis Tsiknakis, Stephan Kiefer, The Vision of Personally Managed Health Data: Barriers, Approaches and Roadmap for the Future, **Journal of Biomedical Informatics (JBI)**, 2018

[30] Haridimos Kondylakis , Angelina Kouroubali, Lefteris Koumakis, Alejandro Rivero-Rodriguez, Santiago Hors-Fraile, Dimitrios G. Katehakis, Designing a Novel, Technical Infrastructure for Chronic Pain Self-Management, Stu**dies in Health Technology and Informatics**, pp. 203-207, 2018

[31] Haridimos Kondylakis , Georgia Troullinou, Kostas Stefanidis and Dimitris Plexousakis, Beyond Summaries for Ontology Exploration, **ERCIM News** 2018

[32] Chiara Crico, Chiara Renzi, Norbert Graf, Alena Buyx, Haridimos Kondylakis, Lefteris Koumakis and Gabriella Pravettoni, mHealth and telemedicine apps: in search of a common regulation, **eCancer Medical Science**, 12, 848, 2018

[33] Flavia Faccio, Chiara Renzi, Chiara Crico, Eleni Kazantzaki, Haridimos Kondylakis, Lefteris Koumakis, Kostas Marias and Gabriella Pravettoni, Development of an eHealth tool for cancer patients: monitoring psychoemotional aspects with the family resilience (FaRe) questionnaire, **eCancer Medical Science**, 12, 848, 2018

[34] Fatima Schera, Michael Schäfer, Anca Bacur, Jasper van Leeuwen, Eric Herve Ngantchjon, Norbert Graf, Haridimos Kondylakis, Lefteris Koumakis, Kostas Marias and Stephan Kiefer, iManageMyHealth and iSupportMyPatients: mobile decision support and health management apps for cancer patients and their doctors, **eCancer Medical Science**, 12, 848, 2018

-2017-

[35] Dimitrios G. Katehakis, Haridimos Kondylakis , Lefteris Koumakis, Angelina Kouroubali, Kostas Marias, Integrated Care Solutions for the Citizen: Personal Health Record Functional Models to support Interoperability, **European Journal for Biomedical Informatics (EJBHI)**, 2017;13(1):41-561

[36] Haridimos Kondylakis, Lefteris Koumakis, Stephanie Hänold, Iheanyi Nwankwo, Nikolaus Forgó, Kostas Marias, Manolis Tsiknakis,c, Norbert Graf, Donor's Support Tool: Enabling Informed Secondary Use of Patient's Biomaterial and Personal Data, **International Journal of Medical Informatics**, 2017:97: 282-292, DOI:10.1016/j.ijmedinf.2016.10.019
(2015 Impact Factor: 2.363, SJR (2015):1.4)

[37] Georgia Troullinou, Haridimos Kondylakis, Dimitris Plexousakis, Semantic Partitioning for RDF Datasets, **Communications in Computer and Information Science,** 769, pp. 99-115, 2017
(SJR (2016):0.16)

[38] Georgia Troullinou, Haridimos Kondylakis, Evangelia Daskalaki, Dimitris Plexousakis, Ontology Understanding Without Tears: The Summarization Approach, **Semantic Web Journal**, 2017
(Impact Factor 2016: 1.786, SCImago - ranked 18th in Computer Science world-wide in 2013, SNIP (2016):1.396, SJR (2016):1.4)

-2016-

[39] Haridimos Kondylakis , Brecht Claerhout, Mehta Keyur, Lefteris Koumakis, Kostas Marias, David Perez-Rey, Kristof de Schepper, Manolis Tsiknakis, Anca Bucur, The INTEGRATE Project: Delivering solutions for efficient multi-centric clinical research and trials, **Journal of Biomedical Informatics**, 62, pp.32-47 2016
(5-Year Impact Factor: 3.4, SNIP:2.213, SJR(2015):1.283)

[40] Sandra Schaller, Velislava Marinova-Schmidt, Manuela Setzer, Haridimos Kondylakis, Lena Griebel, Martin Sedlmayr, Elmar Graessel, Juan Manuel Maler, Stefan Kirn, Peter Kolominsky-Rabas, Usefulness of a tailored eHealth service for informal caregivers and professionals in the dementia treatment and care setting: the eHealthMonitor Dementia Portal**, JMIR Research Protocols**, 2016;5:2:e47 DOI: 10.2196/resprot.4354
(JMIR Impact Factor: 4.7, SJR(2015):1.65)

[41] Yannis Marketakis, Nikos Minadakis, Haridimos Kondylakis, Konstantina Konsolaki, Georgios Samaritakis, Maria Theodoridou, Giorgos Flouris, Martin Doerr, X3ML Mapping Framework for Information Integration in Cultural Heritage and beyond, **International Journal on Digital Libraries**, 18, 4, pp 301–319, 2016
(SNIP: 1.581, SJR(2015):0.286)

[42] Emmanouil Marakakis, Haridimos Kondylakis, Mode Analysis During Program Development, **International Journal on Artificial Intelligence Tools (IJAIT)**,25(2), 2016, DOI:10.1142/S0218213016500019
(5-Year Impact Factor: 0.37; SJR(2015):0.32)

[43] Alessandra Gorini, Ketti Mazzocco, Haridimos Kondylakis, Gordon McVie, Gabriella Pravettoni, A randomized controlled trial to test the efficacy of a web-based interactive empowerment tool in breast cancer patients, **eCancer Medical Science Journal**, 2016:10:659.
(SJR(2015):0.42)

[44] Nikos Papadakis,Haridimos Kondylakis,Anastasios Kalaentzis, Ioannis Komporakis, Ioannis A. Deligiannis, Malvina Steiakaki, George Alexiou, Xanthoula Atsalaki, BlogSearch: Semantic Services for Aggregating and Searching Blog Articles, **International Journal of Semantic Computing (IJSC)**, 10, 399, 2016.
(Impact Factor:0.27)

[45] Eleni Kazantzaki, Haridimos Kondylakis, Lefteris Koumakis, Kostas Marias, Manolis Tsiknakis, Alessandra Gorini, Ketti Mazzocco, Chiara Renzi, Chiara Fioretti, Gabriella Pravettoni, Psycho-emotional tools for better treatment adherence and therapeutic outcomes for cancer patients, **Studies in Health Technology and Informatics**, 224, pp. 129 - 134, 2016

[46] Lefteris Koumakis, Haridimos Kondylakis, Maria Chatzimina, Galatia Iatraki, Panagiotis Argyropaidas, Eleni Kazantzaki, Manolis Tsiknakis, Stephan Kiefer, Kostas Marias, Designing smart analytical data services for a personal health framework, **Studies in Health Technology and Informatics**, 224, pp. 123 - 128, 2016

[47] Chiara Renzi, Chiara Fioretti, Ketti Mazzocco, Andrea Manfrinati, Haridimos Kondylakis, Eleni Kazantzaki, Lefteris Koumakis, Manolis Tsiknakis, Kostas Marias, Gabriella Pravettoni, Development of psycho-emotional monitoring tools within an eHealth platform to improve patient empowerment and self-management abilities, **Psycho-Oncology** 2016:25(3):195
(Impact Factor: 3.256; SJR(2015):1.904, ISI Journal Citation Reports © Ranking: 2015: 2/39 (Social Sciences Biomedical))

[48] Haridimos Kondylakis, Lefteris Koumakis, Manolis Tsiknakis, Kostas Marias and Stephan Kiefer, Big Data in Support of the Digital Cancer Patient, **ERCIM News**, pp.27-28, 2016

-2015-

[49] Fouad Zablith, Grigoris Antoniou, Mathieu d'Aquin, Giorgos Flouris, Haridimos Kondylakis , Enrico Motta, Dimitris Plexousakis , Marta Sabou: Ontology Evolution: A Process Centric Survey, **Knowledge Engineering Review (KER)**, 30, 1, pp. 45-75 2015, Elsevier
(5-Year Impact Factor: 1.039; SJR(2015):0.47)

[50] Irini Genitsaridi, Haridimos Kondylakis, Lefteris Koumakis, Kostas Marias, Manolis Tsiknakis, Evaluation of Personal Health Record Systems through the Lenses of EC Research Projects, **Computers in Biology and Medicine**,59, pp. 175-185, 2015
(5-year impact factor 1.359)

-2014-

[51] Emmanouil Marakakis, Haridimos Kondylakis, Nikos Papadakis: A Knowledge-Based Interactive Verifier for Logic Programs, **Innovation in Knowledge-Based and Intelligent Engineering Systems (KES)**, 2014, IOS Press.
(SJR(2015):0.215)

[52] Haridimos Kondylakis, Eleni Kazantzaki, Lefteris Koumakis, Irini Genitsaridi, Kostas Marias, Alessandra Gorini, Ketti Mazzocco, Gabriella Pravettoni, Danny Burke, Gordon McVie and Manolis Tsiknakis: Development of Interactive Empowerment services in support of personalized medicine, **eCancer Medical Science Journal**, 8, 400, 2014 DOI: 10.3332/ecancer.2014.398.
(SJR (2016):0.52)

-2013-

[53] Haridimos Kondylakis, Dimitris Plexousakis: Ontology Evolution without Tears, **Journal of Web Semantics**, 19, pp. 42-58, 2013.
(5-year impact factor 3.049)

[54] Irini Genitsaridi, Haridimos Kondylakis, Lefteris Koumakis, Kostas Marias, Manolis Tsiknakis, Towards Intelligent Personal Health Record Systems: Review, Criteria and Extensions, **Procedia Computer Science**, 21, pp. 327-334, ISSN 1877-0509, 2013

[55] Giorgos Flouris, Dimitris Manakanatas, Haridimos Kondylakis, Dimitris Plexousakis, Grigoris Antoniou: Ontology change: classification and survey. **Knowledge Eng. Review (KER)**. 23, 2, pp. 117-152 (2008)

Book Chapters

[1] Angelina Kouroubali, Lefteris Koumakis, Haridimos Kondylakis, Dimitrios G. Katehakis, An Integrated Approach towards Developing Quality Mobile Health Apps for Cancer, **Mobile Health Applications for Quality Healthcare Delivery** , 2019

[2] Haridimos Kondylakis, Lefteris Koumakis, Ketti Mazzocco, Manolis Tsiknakis, Kostas Marias, Participatory aspects of ICT infrastructures for cancer management, **P5 eHealth: an agenda for the health technologies of the future**, 2019

[3] Kostas Stefanidis, Eirini Ntoutsi,Haridimos Kondylakis, Yannis Velegrakis, Social-based Collaborative Filtering, **Encyclopedia of Social Network Analysis and Mining**, 2017, doi:10.1007/978-1-4614-7163-9_110171-1)

[4] Haridimos Kondylakis, Lefteris Koumakis, Manolis Tsiknakis, Kostas Marias, Eirini Genitsaridi, Gabriella Pravettoni, Alessandra Gorini, Ketti Mazzocco, Smart recommendation services in

support of patient empowerment and personalized medicine, **Multimedia Services in Intelligent Environments – Recommendation Services** , vol. 25, pp. 39-61, Springer-Verlag, 2013. ISBN 978-3-319-00375-7_4, 2013

[5] Emmanouil Marakakis, Haridimos Kondylakis, Nikos Papadakis, Knowledge Representation in a Proof Checker for Logic Programs, **Knowledge Representation**, ISBN 979-953-307-594-4, 2012

Other Publications (Conferences, Workshops, Invited Talks & Theses)
-2019-

[1] Haridimos Kondylakis , Niv Dayan, Kostas Zoumpatianos, Themis Palpanas, Coconut Palm: Static and Streaming Data Series Exploration Now in your Palm, **SIGMOD** 2019

[2] Haridimos Kondylakis , Antonis Fountouris, Apostolos Planas, Georgia Troullinou, and Dimitris Plexousakis, Enabling Joins over Cassandra NoSQL Databases, **Innovate-Data** 2019, (to appear)

[3] Haridimos Kondylakis , Dimitris Kotzinos, Ioana Manolescu, RDF graph summarization: principles, techniques and applications, **EDBT**, pp. 433-436, 2019

[4] Christos Athinaiou Haridimos Kondylakis, VESEL: VisuaL Exploration of Schema Evolution using Provenance Queries, **EDBT** Workshops, 2019

[5] Haridimos Kondylakis, Yannis Petrakis, Svoronos Leivadaros, Galatia Iatraki and Dimitrios Katehakis, Using XDS and FHIR to Support Mobile Access to EHR Information Through Personal Health App, **IEEE CBMS**, 2019

[6] Haridimos Kondylakis, Lefteris Koumakis, Dimitrios Katehakis, Angelina Kouroubali, Kostas Marias, Manolis Tsiknakis, Panagiotis Simos and Evangelos Karademas, Developing a Data Infrastructure for Enabling Breast Cancer Women to BOUNCE Back, **IEEE CBMS**, 2019

[7] Konstadina Kourou, Haridimos Kondylakis, Lefteris Koumakis, Georgios C. Manikis, Kostas Marias, Manolis Tsiknakis, Panagiotis G. Simos, Evangelos Karademas and Dimitrios I. Fotiadis, A Reference Architecture for Predicting Resilience Levels of Women with Breast Cancer, **IEEE International Conference on Biomedical and Health Informatics (BHI'19)** , 2019

[8] Marios Vardalachakis, Haridimos Kondylakis, Lefteris Koumakis, Angelina Kouroubali, Dimitrios G. Katehakis, ShinyAnonymizer: A Tool for Anonymizing Health Data, **International Conference on Information and Communication Technologies for Ageing Well and e-Health (ICT4AWE)**, 2019

[9] Giannis Agathangelos, Georgia Troulinou, Haridimos Kondylakis, Dimitris Plexousakis, Efficient Query Answering over big RDF data using Spark, **The 13th International Workshop on Information Search, Integration, and Personalization**, 2019

[10] Petros Zervoudakis, Haridimos Kondylakis, Dimitris Plexousakis, Nicolaos Spyratos, Incremental Evaluation of Continuous Analytic Queries on a High-Level Query Language, **The 13th International Workshop on Information Search, Integration, and Personalization**, 2019

-2018-

[11] Giannis Agathangelos, Georgia Troullinou, Haridimos Kondylakis , Kostas Stefanidis, Dimitris Plexousakis, RDF Query Answering Using Apache Spark: Review and Assessment, **ICDE**, pp.54-59, 2018

[12] Georgia Troullinou, Haridimos Kondylakis , Kostas Stefanidis and Dimitris Plexousakis, Exploring RDF/S KBs Using Summaries, **ISWC**, pp. 268-284, 2018

[13] Georgia Troullinou, Haridimos Kondylakis , Kostas Stefanidis and Dimitris Plexousakis, RDFDigest+: A Summary-driven System for KBs Exploration, **ISWC**, 2018

[14] Maria Stratigi, Haridimos Kondylakis , Kostas Stefanidis, The FairGRecs Dataset: A Dataset for Producing Health-related Recommendations, **SWH@ISWC** 2018

[15] Haridimos Kondylakis , Praveen Rao, Kostas Stefanidis, Semantic Web Technologies for Health Data Management, **SWH@ISWC**, 2018

[16] Maria Stratigi, Haridimos Kondylakis , and Kostas Stefanidis, FairGRecs: Fair Group Recommendations by Exploiting Personal Health Information, **29th International Conference on Database and Expert Systems Applications (DEXA)**, pp. 147-155, 2018.

[17] Haridimos Kondylakis , Lefteris Koumakis, Manolis Tsiknakis, Kostas Marias, Implementing a Data Management Infrastructure for Big HealthCare Data, **2018 IEEE International Conference on Biomedical and Health Informatics**, 2018

[18] Haridimos Kondylakis , Lefteris Koumakis, Kostas Marias, Manolis Tsiknakis, Embracing Diversity in Health Data Management, **IEEE International Conference on Biomedical and Health Informatics**, 2018

[19] Norbert Graf, Haridimos Kondylakis, Lefteris Koumakis, Manolis Tsiknakis, Kostas Marias, Anca Bucur, Yvonne Braun, Ruslan David, Gordon McVie, Feng Dong, Chiara Renzi, Stefan Hoffmann, Fatima Schera, Stephan Kiefer, Patient empowerment with the help of ICT – The iManageCancer Project, **IEEE International Conference on Biomedical and Health Informatics**, 2018

[20] Michael Giannoulis, Haridimos Kondylakis , Emmanouil Marakakis, COSMOS: A web-based, collaborative knowledge system using ontologies and managing uncertainty, **ACM Petra**, pp. 441-448, 2018

[21] Giannis Agathangelos, Georgia Troullinou, Haridimos Kondylakis , Kostas Stefanidis, Dimitris Plexousakis, Incremental Data Partitioning of RDF Data in SPARK, **ESWC**, pp. 50-54, 2018

[22] Evangelos Katis, Haridimos Kondylakis , Kostas Vassilakis, Developing an Ontology for Curriculum & Syllabus, **ESWC**, pp. 55-59, 2018

[23] Lefteris Koumakis, Haridimos Kondylakis, Dimitrios G. Katehakis, Galatia Iatraki, Panagiotis Argyropaidas, Maria Hatzimina and Kostas Marias, A content-aware analytics framework for open health data, **Precision Medicine Powered by pHealth and Connected Health**. IFMBE Proceedings, vol 66, pp 59-64, 2018

[24] Katehakis, D.G., Kouroubali, A., Karatzanis, I., Manousos, D., Kondylakis, H., Kavlentakis, G., Stathiakis, N., Koumakis, L., Chatzimina, M., & Marias, K., Personal Health ICT Systems to Support Integrated Care Solutions, **Technical Report ICS-FORTH/472**

-2017-

[25] Alexandros Pappas, Georgia Troullinou, Giannis Roussakis, Haridimos Kondylakis , Dimitris Plexousakis, Exploring Importance Measures for Summarizing RDF/S KBs, **Extended Semantic Web Conference (ESWC)** , pp. 387-403, 2017

[26] Haridimos Kondylakis , Melidoni Despoina, Georgios Glykokokalos, Eleftherios Kalykakis, Michail-Angelos Lasithiotakis, John Makridis, Panagiotis Moraitis, Aspasia Panteri, Maria Plevraki, Antonios Providakis, Maria Skalidaki, Athanasiadis Stefanos, Manolis Tampourat-zis,

Eleftherios Trivizakis, Fanis Zarvakis, Ekaterini Zervouraki, Nikos Papadakis, EvoRDF: A framework for exploring ontology evolution, **Extended Semantic Web Conference (ESWC)**, 2017.

[27] Alexandros Pappas, Georgia Troullinou, Giannis Roussakis, Haridimos Kondylakis , Dimitris Plexousakis, Εξερευνώντας Μέτρα Σημαντικότητάς για Δημιουργία Συνόψεων σε Βάσεις Δεδομένων RDF/S, **Hellenic Data Management Symposium (HDMS)**, 2017

[28] Haridimos Kondylakis, Empowering patients and strengthening self-management in cancer diseases, **eHealthForum Conference** , October 2017, Athens, Greece

[29] Lefteris Koumakis, Mihalis Giannoulis, Haridimos Kondylakis , Alexandros Kanterakis and George Potamias, Calchas: A Semantic Search Engine for Bioinformatics Resources, **Hellenic Bioinformatics (HBIO)**, 2017

[30] Haridimos Kondylakis, Anca Bucur, Feng Dong, Chiara Renzi, Andrea Manfrinati, Norbert Graf, Stefan Hoffman, Lefteris Koumakis, Gabriella Pravettoni, Kostas Marias, Manolis Tsiknakis and Stephan Kiefer, iManageCancer: Developing a platform for Empowering patients and strengthening self-management in cancer diseases, **30th IEEE International Symposium on Computer-Based Medical Systems - IEEE CBMS**, 2017

[31] Alexandros Roniotis, Haridimos Kondylakis, Manolis Tsiknakis, Detection and Management of Depression in Cancer Patients using Augmented Reality Technologies, Multimodal Signal Processing and Persuasive Interfaces, **30th IEEE International Symposium on Computer-Based Medical Systems - IEEE CBMS**, 2017

[32] Eleni Kazantzaki, Lefteris Koumakis, Haridimos Kondylakis, Chiara Renzi, Chiara Fioretti, Ketti Mazzocco, Kostas Marias, Manolis Tsiknakis, Gabriella Pravettoni, Current trends in Electronic Family Resilience Tools: Implementing a tool for the cancer domain, **European Medical and Biological Engineering Conference (EMBEC)** pp. 29-32, 2017

[33] Mihalis Giannoulis, Emmanouil Marakakis and Haridimos Kondylakis, Developing a collaborative knowledge system for Cancer Diseases, 30th **IEEE International Symposium on Computer-Based Medical Systems - IEEE CBMS**, 2017

[34] Maria Stratigi, Haridimos Kondylakis, Kostas Stefanidis, Fairness in Group Recommendations in the Health Domain, **ICDE 2017**,pp. 1481-1488

[35] Kostas Stefanidis, Haridimos Kondylakis, Georgia Troullinou, On Recommending Evolution Measures: A Human-aware Approach, **ICDE 2017**, pp. 1579-1581

[36] Koralia Papadokostaki , Stavros Charitakis , George Vavoulas , Stella Panou , Paraskevi Piperaki , Aris Papakonstantinou , Savvas Lemonakis , Anna Maridaki , Konstantinos Iatrou , Piotr Arent , Dawid Wiśniewski , Nikos Papadakis , Haridimos Kondylakis, News Articles Platform: Semantic Tools and Services for Aggregating and Exploring News Articles, **6th International Conference on Integrated Information**, 2017

[37] Afroditi Stathaki, Haridimos Kondylakis, Emmanouil Marakakis, i-Prolog: A Web-based Intelligent Tutoring System for Learning Prolog, **EAI International Conference on Design, Learning & Innovation (DLI)**, 2017

[38] Emmanouil Marakakis , Haridimos Kondylakis , Aris Papakonstantinou, APANTISIS: A Greek Question-Answering System for Database Exploration, **6th International Conference on Integrated Information**, 2017

[39] Lefteris Koumakis, Haridimos Kondylakis, Dimitrios G. Katehakis, Galatia Iatraki, Panagiotis Argyropaidas, Maria Hatzimina and Kostas Marias, A content-aware analytics framework for

open health data, **International Conference in Biomedical and Health Informatics (ICBHI)**, 2017.

-2016-

[40] Haridimos Kondylakis, The iManageCancer personal health record, **eHealthForum Conference** , October 2016, Athens, Greece

[41] Haridimos Kondylakis, Big Data in European Health Projects, **JST Conference** , March 2016, Japan

[42] Georgia Troullinou, Haridimos Kondylakis, Dimitris Plexousakis, Semantic Partitioning for RDF Datasets, **The 11th International Workshop on Information Search, Integration, and Personalization (ISIP),** 2016

[43] Marios Spanakis, Emmanouil G. Spanakis, Haridimos Kondylakis, Stelios Sfakianakis, Irini Genitsaridi, Vangelis Sakkalis, Manolis Tsiknakis, Kostas Marias, Addressing drug-drug and drug-food interactions through personalized empowerment services for healthcare, **38th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC),** 2016.

[44] Eleni Kazantzaki, Haridimos Kondylakis, Lefteris Koumakis, Kostas Marias, Manolis Tsiknakis, Alessandra Gorini, Ketti Mazzocco, Chiara Renzi, Chiara Fioretti, Gabriella Pravettoni, Psycho-emotional tools for better treatment adherence and therapeutic outcomes for cancer patients, **13th International Conference on Wearable, Micro & Nano Technologies for Personalized Health (pHealth)**, 2016.

[45] Lefteris Koumakis, Haridimos Kondylakis, Maria Chatzimina, Galatia Iatraki, Panagiotis Argyropaidas, Eleni Kazantzaki, Manolis Tsiknakis, Stephan Kiefer, Kostas Marias, Designing smart analytical data services for a personal health framework, **13th International Conference on Wearable, Micro & Nano Technologies for Personalized Health (pHealth),** 2016.

[46] Georgia Troullinou, Giannis Roussakis, Haridimos Kondylakis, Kostas Stefanidis, Giorgos Flouris, Understanding Ontology Evolution Beyond Deltas, International Workshop on Preservation of Evolving Big Data, **EDBT/ICDE Workshops**, 2016

[47] Haridimos Kondylakis, Antonis Fountouris, Dimitris Plexousakis, Efficient Implementation of Joins over Cassandra DBs, **EDBT/ICDE**, 2016.

-2015-

[48] Georgia Troullinou, Haridimos Kondylakis, Evangelia Daskalaki, Dimitris Plexousakis: RDF Digest: Αποδοτική Περίληψη RDF/S βάσεων γνώσης, **Hellenic Data Management Symposium (HDMS)**, 2015, Athens, Greece.

[49] Haridimos Kondylakis, Manolis Spanakis, Stelios Sfakianakis, Vangelis Sakkalis, Manolis Tsiknakis, Kostas Marias, Zhao Xia, Hong Qing Yu, Feng Dong: Digital Patient: Personalized and Translational Data Management through the MyHealthAvatar EU Project, International Conference of the IEEE Engineering in Medicine and Biology Society of the **IEEE Engineering in Medicine and Biology Society (EMBC)**, 2015, Milan, Italy.

[50] Haridimos Kondylakis, Lefteris Koumakis, Eleni Kazantzaki, Maria Chatzimina, Maria Psaraki, Kostas Marias, Manolis Tsiknakis: Patient Empowerment through Personal Medical Recommendations, **Health and Biomedical Informatics (MEDINFO),** 216, 1117, 2015, Sao Paolo, Brazil.

[51] Kostas Stefanidis, Eirini Ntoutsi, Haridimos Kondylakis: Information Hunting: The Many Faces of Recommendations for Data Exploration, **SIGMOD-Blog ,** March 2015.

[52] Georgia Troullinou, Haridimos Kondylakis, Evangelia Daskalaki, Dimitris Plexousakis: RDF Digest: Efficient Summarization of RDF/S KBs, **Extended Semantic Web Conference (ESWC)**, 2015, Portoroz, Slovenia (top 3 rated paper!).

[53] Haridimos Kondylakis: Tools and repositories for data storage or distributed data access, **VPH Workshop on Clinical Data Management and Sustainability**, March 2015, Amsterdam.

[54] Nikos Minadakis, Yannis Marketakis, Haridimos Kondylakis, Giorgos Flouris, Maria Theodoridou, Martin Doerr, and Gerald de Jong, X3ML Framework: An effective suite for supporting data mappings, Extending, Mapping and Focusing the CRM, **19th International Conference on Theory and Practice of Digital Libraries (TPDL2015)** September 17, 2015, Poznań, Poland, 2015

[55] Haridimos Kondylakis,Giorgos Flouris, Irini Fundulaki, Vassilis Papakonstantinou, Manolis Tsiknakis, Flexible Access to Patient Data through e-Consent, **5th EAI International Conference on Wireless Mobile Communication and Healthcare - "Transforming healthcare through innovations in mobile and wireless technologies(MobiHealth),** 2015, London, Great Britain

[56] Haridimos Kondylakis,Lefteris Koumakis, Maria Psaraki, Georgia Troullinou, Maria Chatzimina, Eleni Kazantzaki, Konstantinos Marias, Manolis Tsiknakis, Semantically-enabled Personal Medical Information Recommender, **International Semantic Web Conference (ISWC)**, 2015, Bethlehem, Pennsylvania

[57] Georgia Troullinou, Haridimos Kondylakis, Evangelia Daskalaki, Dimitris Plexousakis, RDF Digest: Ontology Exploration Using Summaries, **International Semantic Web Conference (ISWC)**, 2015, Bethlehem, Pennsylvania

-2014-

[58] Haridimos Kondylakis, Dimitris Plexousakis, Vedran Hrgovcic, Robert Woitsch, Marc Premm, Michael Schuele: Agents, Models and Semantic Integration in support of Personal eHealth Knowledge Spaces , **Web Information System Engineering (WISE)**, 1, pp. 496-511, 2014, Thessaloniki, Greece.

[59] Haridimos Kondylakis, Dimitris Plexousakis, Vedran Hrgovcic, Robert Woitsch, Marc Premm, Michael Schuele: Personal eHealth Knowledge Spaces though Models, Agents and Semantics , **International Conference on Conceptual Modeling (ER)** , pp. 293-297, 2014, Atlanta, USA.

[60] Vassilis Papakonstantinou, Giorgos Flouris, Irini Fundulaki, Haridimos Kondylakis: Securing Access to Sensitive RDF Data, **Extended Semantic Web Conference (ESWC),** Vol 8798, pp.455-460, 2014.

[61] Nikolaos Louloudakis, Vasileios Theodosiadis, Haridimos Kondylakis, Kostas Stefanidis: NaviSoc: A Socially Enhanced Real-time Navigator, Data Mining Workshop (ICDMW), **IEEE International Conference on Data Mining (ICDM)**, pp. 797-803, 2014.

[62] Haridimos Kondylakis, Lefteris Koumakis, Stefan Rüping, Eleni Kazantzaki, Kostas Marias, Manolis Tsiknakis: PMIR: A Personal Medical Information Recommender, **Medical Informatics Europe (MIE)**, 205, pp. 1193, 2014.

[63] Haridimos Kondylakis, Dimitris Plexousakis: Exploring RDF/S Evolution using Provenance Queries, Workshop on Exploratory Search in Databases and the Web, **EDBT/ICDT Workshops**, pp. 176-181, 2014.

[64] Haridimos Kondylakis, Martin Doerr, Gerald de Jong, Dominic Oldman: X3ML An interface for sustainable management of data management mapping process, **BM meet-up "Semantics and Cultural Heritage"**, London, 2014 .

-2013-

[65] Evaggelia Maniadi, Haridimos Kondylakis, Emmanouil G. Spanakis, Manolis Tsiknakis, Kostas Marias and Feng Dong, Designing a digital patient avatar in the context of the MyHealthAvatar project initiative**, IEEE 13th International Conference on BioInformatics and BioEngineering (BIBE)**, pp. 1-4, 2013.

[66] Haridimos Kondylakis: From data sharing and integration via VPH models to personalized medicine, p-medicine, **Clustering Event on Ambient Intelligence**, Advanced Technologies in Support of Healthcare and Assisted Living, Foundation for Research & Technology - Hellas, Heraklion, Crete, Greece, 26-27th September, 2013.

-2012-

[67] Haridimos Kondylakis, Lefteris Koumakis, Eirini Genitsaridi, Manolis Tsiknakis, Kostas Marias, Gabriella Pravettoni, Alessandra Gorini, Ketti Mazzocco: IEmS: A collaborative Environment for Patient Empowerment, **IEEE 12th International Conference on BioInformatics and BioEngineering (BIBE)**,pp. 535-540, 2012, Larnaca, Cyprus.

[68] Haridimos Kondylakis, Dimitris Plexousakis:Ontology Evolution: Assisting Query Migration, 31st **International Conference on Conceptual Modeling (ER)**, 2012, pp. 331-344, Florence, Italy.

[69] Haridimos Kondylakis, Manolis Tsiknakis: Computerized Clinical Guidelines: Current Status & Directions for Future Research, **Medical Informatics Europe (MIE)**,pp. 432-436, 2012, Italy, Pisa

-2011-

[70] Haridimos Kondylakis, Dimitris Plexousakis: Ontology Evolution in Data Integration: Query Rewriting to the Rescue, 30th **International Conference on Conceptual Modeling (ER)**, 2011:393-401

[71] Haridimos Kondylakis, Dimitris Plexousakis: Exelixis: Evolving Ontology-Based Data Integration System, **SIGMOD Conference** 2011: 1283-1286

[72] Haridimos Kondylakis, Martin Doerr, Dimitris Plexousakis: CIDOC-CRM Method: A Standardisation View, **BOC Partner Meeting**, Vienna, September 8, 2011

-2010-

[73] Haridimos Kondylakis: Ontology Evolution in Data Integration, PhD Thesis, **Computer Science Department, University of Crete**, 2010

[74] Haridimos Kondylakis, Dimitris Plexousakis, Yannis Tzitzikas : Ontology Evolution in Data Integration, **International Workshop on Ontoogy Dynamics (IWOD at ISWC)**, 2010

[75] Haridimos Kondylakis, Dimitris Plexousakis, Holger Wache , Daniela Fieldkamp , Knut Hinkelmann, Alexander Bergmayr :Semantic Technology to enable Business and IT alignment, **OKM** 2010

[76] Haridimos Kondylakis, Dimitris Plexousakis, Yannis Tzitzikas : Εξέλιξη οντολογιών σε συστήματα ολοκήρωσης πληροφορίας. **Hellinic Data Management Symposium**, 2010

[77] Haridimos Kondylakis, Dimitris Plexousakis, Yannis Tzitzikas : Ontology evolution in Data Integration. **Extended Semantic Web Conference (ESWC),** 2010

[78] Nikos Papadakis, P. Petrakis, Dimitris Plexousakis, Haridimos Kondylakis, : A Solution to the Ramification Problem Expressed in Temporal Description Logics**. In Proceedings of the International Workshop on New Forms of Reasoning for the Semantic Web: Scalable and Dynamic (at ESWC 2010)**

[79] Haridimos Kondylakis, Dimitris Plexousakis: Enabling ontology evolution in data integration. **EDBT/ICDT Workshops** 2010

-2009-

[80] Haridimos Kondylakis, Martin Doerr, Dimitris Plexousakis: Empowering Provenance in Data Integration. **ADBIS** 2009:270-285

[81] Haridimos Kondylakis, Giorgos Flouris, Dimitris Plexousakis: Ontology and Schema Evolution in Data Integration: Review and Assessment. **OTM Conferences** 2009:932-947

-2008-

[82] Eleni G. Christodoulou, Marina Ioannou, Maria Kafousi, Elias Sanidas, Georgios Papagiannakis, Vasiliki Danilatou, Georgia Tsiliki, Thanasis Margaritis, Haridimos Kondylakis, Dimitris Manakanatas, Lefteris Koumakis, Alexandros Kanterakis, Stamatis Vassilaros, Manolis Tsiknakis, Anastasia Analyti, George Potamias, Dimitris Tsiftsis, Efstathios Stathopoulos, Dimitris Kafetzopoulos: A new gene expression signature related to breast cancer estrogen receptor status. **BIBE** 2008:1-7

[83] Manos Kalaitzakis, Vangelis Kritsotakis, Haridimos Kondylakis, George Potamias, Manolis Tsiknakis, Dimitris Kafetzopoulos: An Integrated Clinico-Proteomics Information Management and Analysis Platform. **CBMS** 2008:218-220

[84] Luis Martín, Alberto Anguita, Victor Maojo, Erwin Bonsma, Anca I. D. Bucur, Jeroen Vrijnsen, Mathias Brochhausen, Cristian Cocos,Holger Stenzhorn, Manolis Tsiknakis, Martin Doerr, Haridimos Kondylakis: Ontology Based Integration of Distributed and Heterogeneous Data Sources in ACGT. **HEALTHINF** 2008:301-306

[85] Grigoris Antoniou, Antonis Bikakis, Polyvios Damianakis, Mixalhs Foukarakis, Giorgos Iacovidis, Marianna Karmazi, Haridimos Kondylakis,Antreas Makridakis, Giorgos Nikiforos, Grigoris Papadourakis, Manolis Papoutsakis, Aggeliki Psyharaki, Giorgos Stratakis, Panagiotis Tourlakis, Petros Tsialiamanis, Giorgos Vasiliadis, Gerd Wagner, Dimitris Velegrakis: A Multi-agent Environment for Serving Proof Explanations in the Semantic Web. **SETN** 2008:26-37

-2007-

[86] Haridimos Kondylakis, Anastasia Analyti, Dimitris Plexousakis: Quete: Ontology-Based Query System for Distributed Sources. **ADBIS** 2007:359-375

[87] Manolis Tsiknakis, Pierre Grangeat, Pierre Alain Binz, George Potamias, Frederique Lisacek, Laurent Gerfault, Caroline PAULUS, Dimitris Manakanatas, Vaggelis Kondylakis, Haris Kondylakis, Manuel Perez, Dimitris Plexousakis: Functional specifications of an integrated proteomics information management and analysis platform, 29th **IEEE EMBS Annual International Conference**, 2007, Lyon Franc

[88] George Potamias, Manolis Tsiknakis, Dimitris Kafetzopoulos, Manuel M. Perez, Blanca Jordan, Pierre-Alain Binz, Frederique Lisacek, Vangelis Kritsotakis, Dimitris Manakanatas, Haridimos Kondylakis, Manos Kalaitzakis, Laurent Gerfault, Caroline Paulus, and Pierre Grangeat., The

Loccandia Integrated Clinico-Proteomics Environment**, Intrumental Methods of Analysis - Modern Trends and Applications" Conference (IMA 2007)**, Patra, Greece

-2006-

[89] Anastasia Analyti, Haridimos Kondylakis, Dimitris Manakanatas, Manos Kalaitzakis, Dimitris Plexousakis, George Potamias: Integrating Clinical and Genomic Information Through the PrognoChip Mediator. **ISBMDA** 2006:250-261

[90] Haridimos Kondylakis, Martin Doerr, Dimitris Plexousakis: Mapping Language for Information Integration. **Technical Report ICS-FORTH**/385

[91] Haridimos Kondylakis : QUETE: Query Processing in Distributed Database Systems, **Master of Science Thesis, Dept. of Computer Science, University of Crete**, 2006