

Ioannis Chrysakis



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ABOUT ME

I am an ICT Expert working currently as an R&D Engineer in the Information Systems Laboratory of the Institute of Computer Science in FORTH. I hold a Master of Science in Information Systems & Software Engineering (Major Area) and in E-Commerce (Minor Area) and a degree in Computer Science from University of Crete. My research interests lie in the areas of semantic web, digital preservation, linked open data and digital privacy. I have extensive research and development experience in several National and European funded projects. I have co-authored several scientific papers in peer-reviewed conferences and journals. Moreover, I have been member of program committee and reviewer in several international journals, conferences and workshops and I have served on various organizational activities such as event organizer, conference chair, ambassador etc. In addition, I have been participated to the Open Public Review process of European Funded projects for Horizon 2020 Program. Also, I always fascinated by innovation, start-ups and entrepreneurship. Furthermore, I am founder and CEO of three thematic websites (olagiatogamo.gr, olagiativaptisi.gr, olagiatopaidi.gr). Finally, I was a mentor in the Startup Europe Week 2018 business conference that took place in Heraklion. I have been attended and participated in several technological and innovation events. I always try allocating efficiently time, energy, and resources in order to meet the desired goals.

EDUCATION

Master of Science in Information Systems, and E-Commerce Technologies

Computer Science Department, University of Crete

GPO: 8.07/10, Admitted 2/2004, Graduated: 4/2006.

Thesis title: Top-k Query Processing in Schema-Based Peer-To-Peer Networks.

Supervisor: Professor Dimitris Plexousakis.

Degree in Computer Science

Computer Science Department, University of Crete

GPO: 7.08/10, 181 Credits, Admitted 9/1999, Graduated: 4/2004.

Thesis title: Dynamic Interfaces Applied for Databases.

Supervisor: Professor Dimitris Plexousakis.

Online Course Certification in “Digital Business Models”
University of Lund & Coursera online education platform
Grade: 100%, Period: 12/2016 - 1/ 2017.
Professor: Andreas Constantinou.

EXPERIENCE

Foundation for Research and Technology, Hellas, Institute of Computer Science, Information Systems Laboratory [3/2008 – till now]

Research and Development Engineer

Participation in several eu/national projects: “APIΣTEIA”, “KP-Lab”, “Ambient Intelligence”, “PLANETDATA”, “CASPAR”, “3D-COFORM”, “3D-SYSTEK”, “WEARHAP”, “INSPIRED”, “DIACHRON”, “VRE4IC”, “Domain Names”.

Freelance Web-based Information Systems [03/2008 – now]

Web Developer using custom Web Programming and CMS Technologies

Websites: hdms08.gr, velonismosiraklio.gr, acupunctureheraklio.gr pure-hersonissos.gr, zaxaroplasteikoumakis.gr, paidiatrosiraklio.gr, caprice-community.net, elidek.gr, e-rihs.gr, isip2019.ics.forth.gr.

Software Engineer, CEO [9/2009 – now]

Owner, founder and developer of three dedicated portals about wedding, baptism and children

Portals: www.olagiatogamo.gr, www.olagiativaptisi.gr, www.olagiatopaidi.gr
E-Commerce and E-marketing applications.

University of Crete - Computer Science Department [9/2006 - now]

Co-supervisor in Diploma Theses of several Postgraduate Students

Students: Manolis Dermitzakis (2018) , Nikos Minaidis (2017), Richard Bun (2016), Diakos Hercules (2012), Roussogiannakis Liagos Spyridon (2011), Nikos Giannakis (2011), Ioanna Trochatou (2011), Zachariades Nikos (2011), Constantinides Christos (2011), Konstantinos Chalkidis (2009), Dagalaki Efsevia (2006).

Technological Educational Institute of Crete [10/2008 - 7/2011]

External Lab Collaborator at Informatics Department of Central Administration
Database Consultant and Database Administrator (Departments databases),
Web Developer (Library website), User Support (Library users).

Research Assistant and Software Engineer [10/2004 – 1/2007]

Participation in national projects in the domain of Cultural Heritage at the Center of Cultural Informatics.

University of Crete - Computer Science Department [9/2005 - 9/2006]
Database Administrator, Web Developer
Oracle 10i Server Database, Design and Maintenance of the website of the Undergraduate Course “Files and Databases (CS-360)”.

Research Committee of the University of Crete [1/2001 -12/2002]
System and Server Administrator, User Support for Domain Users, Web Design
Oracle 10i Server Database, Web Programming (IIS Web Server, ASP, VBScript, HTML/CSS, JS, SQL Server).

TEACHING

I.IEK AKMI Private Institute of Vocational Training [10/2015 - 2/2016]
Lecturer in Computer Science
Specializations: Software Technician, Video Games-Web Design, Network Technician.

Technological Educational Institute of Crete [10/2011 -2/2015]
Lecturer in the Department of Informatics Engineering
Courses: Introduction to Databases, Programming, Introduction to Computer Science.
Lecturer in the Department of Mechanical Engineering. Course: Informatics I.

1st Public Institute of Vocational Training of Heraklion [2/2008 -6/2008]
Lecturer in Computer Science
Course: “Introduction to the Unix OS” in Telecommunication Technicians.

Ministry of Education [11/2004 -2/2008]
ICT Teacher
Course: “New Technologies applied for Education” in public primary school.

University of Crete [9/2004 -1/2006]
Teaching Assistant in the Computer Science Department
Courses: “Files and Databases” (CS360, Prof. Dimitris Plexousakis, 1 semester), “Web Programming” (CS359, Prof. Dimitris Kotzinos, 2 semesters), “Programming” (CS150, Prof. Dimitris Kotzinos, 1 semester).

PUBLICATIONS

Safer Internet Day Greece 2019 (SID 2019) [2/2019]
Ioannis Chrysakis. The CAPrice Initiative and a Gamification Approach to Digital Privacy. Invited presentation at the Annual Safer Internet Day 2019 in Hellenic Ministry of Education, Research and Religious Affairs, Athens, 5 February 2019.

GDG Dev Fest Greece 2018 [12/2018]
Ioannis Chrysakis. The CAPrice Initiative: A socio-technical solution to digital privacy. Invited presentation at the 6th Google GDG Dev Fest Greece 2018. 1, December 2018, Heraklion.

CoopIS 2018 [10/2018]
Giorgos Flouris, Theodore Patkos, **Ioannis Chrysakis**, Ioulia Konstantinou, Nikolay Nikolov, Panagiotis Papadakos, Jeremy Pitt, Dumitru Roman, Alexander Stan, Chrysostomos Zeginis: Towards A Collective Awareness Platform for Privacy Concerns and Expectations.
In proceedings of the 26th International Conference on Cooperative Information Systems, Malta 22-26, October, 2018.

Researchers Night 2018 [9/2018]
Ioannis Chrysakis and Konstantinos Kretsoulas. CAPrice he CAPrice Initiative: A socio-technical solution to digital privacy.
Invited poster for the Researchers Night, 28/09/2018 in FORTH, Heraklion.

TEDx University of Crete [3/2018]
Ioannis Chrysakis, Korina Doerr, Giorgos Flouris, Nikos Minadakis, Panagiotis Papadakos, Theodore Patkos and Chrysostomos Zeginis. CAPrice: A Collective Awareness Platform for Privacy Concerns and Expectations.
Invited Poster and Demo at the Science Fair of the 1st TEDx University of Crete Conference, 24/03/2018, Heraklion.

Researchers Night 2017 [9/2017]
Theodore Patkos, Giorgos Flouris, Panagiotis Papadakos, **Ioannis Chrysakis.** CAPrice: A Collective Awareness Platform for Privacy Concerns and Expectations
Invited poster for the Researchers Night, 29/09/2017 in FORTH, Heraklion. A slightly revised version appeared as an invited poster for FORTH's Research Summit, 2017, 13-14, October, 2017.

Semantics 2017 [9/2017]
Ioannis Chrysakis, Emmanouil Dermitzakis, Giorgos Flouris, Theodore Patkos and Dimitris Plexousakis. PRESS: A Publication REpository Semantic System.
In proceedings of the 13th International Conference on Semantic Systems (Posters and Demo Session), 11-14 September 2017, Amsterdam.

ERCIM NEWS Journal [4/2017]
Ioannis Chrysakis. How the Digital Business Model can Transform and Boost the Car Industry
Special Theme: Autonomous Vehicles, ERCIM NEWS 109, April 2017.

HDMS 2016 Conference & ISWC 2015 Conference [7/2016 & 10/2015]
Yannis Roussakis, **Ioannis Chrysakis**, Kostas Stefanidis, Giorgos Flouris and Yannis Stavrakas. A Flexible Framework for Understanding the Dynamics of Evolving RDF Datasets.

In proceedings of 14th International Semantic Web Conference (ISWC 2015 Research Track), Bethlehem, Pennsylvania, USA, 11-15 October 2015. **Best Student Paper Award**. (Also appeared in Proceedings of the 14th Hellenic Data Management Symposium (HDMS-16), 28-29 July, Athens, 2016).

ERCIM NEWS Journal [4/2016]
Kostas Stefanidis, Giorgos Flouris, **Ioannis Chrysakis** and Yannis Roussakis. D2V – Understanding the Dynamics of Evolving Data: A Case Study in the Life Sciences.
Research and Innovation, ERCIM NEWS 105, April 2016.

ISWC 2015 Conference [10/2015]
Yannis Roussakis, **Ioannis Chrysakis**, Kostas Stefanidis, Giorgos Flouris and Yannis Stavrakas. D2V: A Tool for Defining, Detecting and Visualizing Changes on the Data Web.
In proceedings of 14th International Semantic Web Conference (ISWC 2015 Posters and Demonstrations Track). Bethlehem, Pennsylvania, USA, 11-15 October 2015.

FORTH-ICS Technical Report [7/2015]
Yannis Roussakis, **Ioannis Chrysakis**, Kostas Stefanidis, Giorgos Flouris and Yannis Stavrakas. A Flexible Framework for Understanding the Dynamics of Evolving RDF Datasets: Extended Version.
Technical Report ICS-FORTH/TR456, July 2015, Heraklion.

Arxiv Technical Report [1/2015]
Yannis Roussakis, **Ioannis Chrysakis**, Kostas Stefanidis, Giorgos Flouris, Yannis Stavrakas. A Flexible Framework for Defining, Representing and Detecting Changes on the Data Web.
CoRR abs/1501.02652 (2015), <https://arxiv.org/pdf/1501.02652v1.pdf>

ER 2014 Conference [10/2014]
Kostas Stefanidis, **Ioannis Chrysakis**, and Giorgos Flouris. On Designing Archiving Policies for Evolving RDF Datasets on the Web.
In proceedings of the 33rd International Conference on Conceptual Modeling (ER2014), Atlanta, USA, 27-30 October 2014.

EVA LONDON 2014 Conference [7/2014]
Martin Doerr, **Ioannis Chrysakis**, Anastasia Axaridou, Maria Theodoridou, Christos Georgis and Emmanuel Maravelakis: "A framework for maintaining provenance information of cultural heritage 3D-models".
In proceedings of the 25th International Conference of Electronic Visualization and the Arts - Eva London 2014, London, UK, 8-10 July 2014.

IISA 2014 Conference [7/2014]
Emmanuel Maravelakis, Antonios Konstantaras, Katerina Kabassi, **Ioannis Chrysakis**, Christos Georgis, Anastasia Axaridou: "3DSYSTEK Web-based Point Cloud Viewer".

In proceedings of the 5th International Conference on Information, Intelligence, Systems and Applications, Chania, Greece, 7-9 July 2014.

IISA 2014 Conference

[7/2014]

Anastasia Axaridou, **Ioannis Chrysakis**, Christos Georgis, Maria Theodoridou, Martin Doerr, Antonios Konstantaras and Emmanuel Maravelakis. 3D-SYSTEK: Recording and exploiting the production workflow of 3D-models in Cultural Heritage.

In proceedings of the 5th International Conference on Information, Intelligence, Systems and Applications, Chania, Greece, 7-9 July 2014.

European Geosciences Union 2014

[4/2014]

Emmanouel Maravelakis, Antonios Konstantaras, Anastasia Axaridou, **Ioannis Chrysakis** and Michalis Xinogalos. Recording, Visualization and Documentation of 3D Spatial Data for Monitoring Topography in Areas of Cultural Heritage.

Poster appeared in the EGU General Assembly, Vienna, Austria, 27 April - 02 May 2014.

CAA-GR 2014 Conference

[3/2014]

M. Doerr, **I. Chrysakis**, A. Axaridou, M. Theodoridou, C. Georgis, E. Maravelakis, A. Konstantaras and M. Xinogalos. Developing a novel system for Documentation of Cultural Heritage Monuments recorded with Terrestrial 3D Scanners.

Poster appeared in the 1st Computer Applications and Quantitative Methods in Archaeology Conference, Rethymno, Greece, 7-8 March, 2014.

CIKM 2010 Conference

[10/2010]

Ioannis Chrysakis, Constantinos Chalkidis, Dimitris Plexousakis. Evaluation of Top-k queries in Peer-to-Peer Networks using Threshold Algorithms.

In proceedings of the 19th ACM Conference on Information and Knowledge Management, CIKM 2010, Toronto, Ontario, Canada, October 26-30, 2010.

FORTH-ICS Technical Report

[7/2010]

Ioannis Chrysakis, Constantinos Chalkidis, Dimitris Plexousakis. A Detailed Evaluation of Threshold Algorithms for Answering Top-k queries in Peer-to-Peer Networks.

Technical Report ICS-FORTH/TR407, July 2010, Heraklion.

SETN 2010 Conference

[5/2010]

Theodoros Patkos, **Ioannis Chrysakis**, Antonis Bikakis, Dimitris Plexousakis, Grigoris Antoniou. A Reasoning Framework for Ambient Intelligence.

In proceedings of the 6th Hellenic Conference on Artificial Intelligence SETN 2010, 4-7 May, 2010, Athens.

FORTH-ICS Technical Report

[12/2006]

Ioannis Chrysakis and Dimitris Plexousakis. Semantic Query Routing and Distributed Top-k Query Processing in Peer-to-Peer Networks.

Technical Report ICS-FORTH/TR387, December 2006, Heraklion.

ORGANIZATIONAL ACTIVITIES

Web and Information Chair at the 13rd International Workshop on Information Search, Integration, and Personalization (ISIP 2019)

- Web developer/curator of event website, information officer.

Member of the Local Organizing Committee at CIDOC 2018 International Conference.

- Book of Abstracts Editor. **Ioannis Chrysakis**, Lida Harami , Dimitris Angelakis and George Bruseker: Generating and tracing the 'Provenance of Knowledge', CIDOC 2018, International Conference, 29 September – 5 October, 2018 (Heraklion).
- Program Editor, Social events organizer

Event Organiser at Information Systems Laboratory's Lab

- Lab organizer for the annual event "Researchers Night 2018" at FORTH.

Mentor at Startup Europe Week Conference

- Mentor at 3rd Startup Europe Week Conference that took place in Heraklion in 10/3/2018 and organized by Youth Entrepreneurship Club, Startup Europe NGO and Region of Crete.

Program Committee Member

- Semantics 2019 for the following tracks: Research and Innovation Track and Posters & Demonstrations Track : Semantics 2019 Annual Conference.
- MEPDaW 2019: 5th Workshop on Managing the Evolution and Preservation of the Data Web, co-located with The Web Conference 2019.
- QOD 2019: 2nd Workshop on Quality of Open Data (QOD 2019), co-located with 22nd International Conference on Business Information Systems.
- SEMAPRO 2019: 13rd International Conference on Advances in Semantic Processing.
- COLLA 2019: 9th International Conference on Advanced Collaborative Networks, Systems and Applications.
- Semantics 2018 Posters & Demonstrations Track: Semantics 2018 Annual Conference.
- SEMAPRO 2018: 12nd International Conference on Advances in Semantic Processing.
- LDQ 2018: 5th Workshop on Linked Data Quality, co-located with ESWC 2018.
- SEMAPRO 2017: 11th International Conference on Advances in Semantic Processing.
- Semantics 2017 Posters & Demonstrations Track: Semantics 2017 Annual Conference
- BIGGS 2017: Big Data Warehousing and Analytics Workshop 2017, co-located with the 17th International Conference on Computational Science and Applications (ICCSA 2017).
- LDQ 2017: 4th Workshop on Linked Data Quality, co-located with ESWC 2017.
- MEPDaW 2017: 3rd Workshop on Managing the Evolution and Preservation of the Data Web, co-located with ESWC 2017.
- CSICT 2017: The 2017 International Conference on Computer Science and Information.

- Quatic 2016: 10th International Conference on the Quality of Information and Communications Technology. Track: Quality Aspects in Big Data Systems.
- MEPDaW 2016: 2nd Workshop on Managing the Evolution and Preservation of the Data Web, co-located with ESWC 2016.
- LDQ 2016: 3rd Workshop on Linked Data Quality, co-located with ESWC 2016.
- LDQ 2015: 2nd Workshop on Linked Data Quality, co-located with ESWC 2015.
- MEPDaW 2015: 1st Workshop on Managing the Evolution and Preservation of the Data Web, co-located with ESWC 2015.
- LDQ 2014: 1st Workshop on Linked Data Quality, co-located with Semantics Conf. 2014.

Reviewer of H2020 EU Projects

Participation to the Open Public Review process (<https://ec.europa.eu/futurium/en/openpublicreview>) of European funded research projects for the Horizon 2020 Program since 05/03/2017. Projects: WeGovNow (#693514), OpenGovIntelligence (#693849), Sympatico (#692819).

Journal Review Committee Member

- Journal of ICT Research and Applications 2018 (ongoing)
- Journal of Web Semantics for 2018 and 2017.
- Semantic Web – Interoperability, Usability, Applicability Journal (SWJ), IOS Press Journal. Tracking Number 1249-2461 & 1376-2588, 2016.
- International Journal on Semantic Web and Information Systems Vol.11, Issue1 ISSN: 1552-6283, 2015.

Certification Reviewer at OEEK

At exams of Vocational Training Programs for the year 2008.

CONFERENCES & SEMINARS

Data-Driven World Conference 2018

3-day event (including GDPR workshop) organized by Alumni Association of Msc Students of University of Crete
29 June-1 July, 2018, Heraklion.

Files Wide Shut Seminar 2018

Seminar regarding to the new European General Data Protection Regulation
17 April, 2018, Heraklion.

GrowYourBusiness Seminar 2017

Digital training seminar organized by Cosmote S.A.
13, December, 2017, Heraklion.

SEMANTICS 2017

13th International Conference on Semantic Systems – Semantics 2017
11-14 September, 2017, Amsterdam.

EVA LONDON 2014

25th International Conference of Electronic Visualization and the Arts - Eva London 2014
8-10 July, 2014, London.

HDMS 2008

7th Hellenic Data Management Symposium (HDMS)
28-29 July, 2008, Heraklion.

MOBINET 2

Technology and Business Issues of E-Commerce
27/6-11/7, 2005, Heraklion.

EDBT 2004

9th International Conference of Extending Database Technology (EDBT)
14-18/3 2004, Heraklion.

MOBINET 1

Introduction to Mobile E-Commerce
9-12/2003 & 12-15/12/2003, Heraklion.

RESEARCH INTERESTS

Information Systems, Databases, Semantic Web, Linked Open Data, Digital Privacy, Software Engineering, Reasoning, Ambient Intelligence, Cultural Informatics, Distributed Systems, E-Commerce Applications, Entrepreneurship.

SKILLS

Programming Languages

Java, Java Servlets & JSP, HTML, CSS, Bootstrap, PHP, ASP, JavaScript, JQuery, Angular JS, C, Prolog, C++, Assembly, Verilog

Semantic Web Ontologies and Standards

RDF/S, OWL, XML, SPARQL, SKOS, CIDOC

Databases

Blazegraph Graph, Virtuoso RDF Quad-Store, Sesame Open RDF, Oracle, MySQL, Postgres, Microsoft SQL Server, Microsoft Access

Query Languages

SPARQL, SQL, RQL, OQL

Software Tools

Netbeans, Eclipse, JCreator, Apache ANT, Maven, Protégé, Jess, Github, Gitlab, Bitbucket, Enterprise Architect, Dev C++, Rational Rose, Borland C

Project Management Tools

Trello, MS Project, Redmine

Operating Systems

UNIX, LINUX, Microsoft Windows, Android OS

Servers

Apache Tomcat, Glassfish, IIS Web Server, MS SQL Server, Wamp

Commercial Software

Microsoft Word/Excel/PowerPoint/Access/Visio/Expression, Cool Edit 2000, SoundForge, ABBY FineReader, ImageMagick, Camtasia, Xnview, Smart Draw, Adobe Photoshop/Dreamweaver/Audition, Aleph Library System, Artisteer, Camtasia.

Education Platforms

E-Class, Moodle

Content Management Systems

Wordpress, Joomla, Drupal, TikiWiki CMS-Groupware System

LANGUAGES

Greek (native)

English (Level C1-Advanced)

CERTIFICATIONS

Mobile Sites Certification

Authorized by Google Inc. 27/8/2018, License number: 20041138

Certification of Digital Sales

Authorized by Google Inc. 20/10/2017, License number: 6002986357

Certification of Online Course “Digital Business Models”

Authorized by University of Lund & Coursera, 25/1/2017

Link: coursera.org/verify/KF2A3MZSURU5

Certification of Google Adwords Fundamentals

Authorized by Google Inc. 25/11/2016

License number: 5618607340

Certification of Google Adwords Mobile Certification

Authorized by Google Inc. 25/11/2016

License number: 7105344048

Certification of Foreign Language Proficiency

C1 level English 14/7/2008

Authorized by Hellenic Ministry of National Education & Religious Affairs

Reference number: 3190191

First Certificate in English

December 1995

Authorized by University of Cambridge

Reference number: 95CGR0501239

AWARDS & ACHIEVEMENTS

Outstanding Journal Reviewer by Elsevier

Awarded as in the Top 10th percentile of reviewers for the journal entitled as: Web Semantics: Science, Services and Agents on the World Wide Web. Achieved: February 2018

Best Student Research Paper Award

In the 14th International Semantic Web Conference (ISWC 2015), 11-15 October 2015, Bethlehem, Pennsylvania, USA. For the paper: Yannis Roussakis, Ioannis Chrysakis, Kostas Stefanidis, Giorgos Flouris and Yannis Stavrakas. "A Flexible Framework for Understanding the Dynamics of Evolving RDF Datasets".

Nomination for Best Student Research Paper

In the 6th Hellenic Conference on Artificial Intelligence (SETN 2010), 4-7 May, 2010, Athens. For the paper: Theodore Patkos, Ioannis Chrysakis, Antonis Bikakis, Dimitris Plexousakis, Grigoris Antoniou, "A Reasoning Framework for Ambient Intelligence".

SCHOLARSHIPS

Training and Specialization Fellowship

[4/2006 – 1/2007]

Institute of Computer Science, Foundation for Research and Technology, Hellas (FORTH).

Graduate Scholarship

[2/2005 – 2/2006]

Institute of Computer Science, FORTH.

EVENTS & NETWORKING

Participation on several innovation and technological events

H2020 Series of Seminars, Saferinternet4kids Open Day 2017, Google I/O Extended 2017 (Heraklion), DevStaff Community Events (The Tor Project, Mobile Development, Unit Testing etc), Open Coffee Heraklion Events , Startup Europe Week 2017, hack.summit() 2016, Venture Garden 2016, Heraklion, 1st Docker Crete Meetup 2015 & Docker Global Hack Day #3, Google Dev Fest 2015 (Heraklion).

OTHER ACTIVITIES

CAPrice Privacy Ambassador [1/2017 – now]

CAPrice is community effort driven by consumers and developers who believe that privacy and digital services can exist in harmony.

<https://www.caprince-community.net>

Elected administrative member of the PTA Committee of public day nursery of Episkopi, Heraklion [11/2015 – 11/2016]

Position: Vice president.

Magazine Author [7/2010 – 3/2012]

Writing articles about Music in my own column of “18-30” Magazine

Radio Producer/DJ [6/1998 – 10/2006]

Best Radio 94,7 FM (Heraklion), UoC Radio 96,7 FM (Heraklion), DRS FM 95,3 FM (Heraklion)

Elected administrative member of the University of Crete Radio Committee [10/2001 – 10/2005]

Positions: Vice president, Responsible for Radio Program.

Student Volunteer [22-27/6 2003]

10th Human Computer Interaction International Conference 2003 (HCI 2003), Heraklion, Greece.

Hobbies

Music, Radio Producing, DJing, Technology, Running, Gardening.