

# CURRICULUM VITAE

**Christos Tryfonopoulos**

## I. PERSONAL DETAILS

### Ia. Contact information

Address: Department of Informatics & Telecommunications  
University of Peloponnese  
Karaiskaki St., 22100 Tripoli  
Greece

Telephone: +30 2710 230175  
Fax: +30 2710 372286  
Web page: <http://www.uop.gr/~trifon/>  
Email: [trifon@uop.gr](mailto:trifon@uop.gr)

### Ib. Research interests

- Information management
  - information retrieval & filtering
  - data models and query languages
  - personal information management
  - data and user anonymity
- Distributed systems
  - distributed social networks
  - peer-to-peer, grid, & cloud computing
  - multi-agent systems
- Digital libraries
  - distributed architectures
  - content retrieval & filtering
  - preservation & archival
- Databases
  - indexing & query processing
  - distributed databases and data structures
  - (bio)medical databases

### Ic. Language skills

- English: fluently (Cambridge Certificate of Proficiency in English)
- German: very good (Grundstufe in Deutsch als Fremdsprache aus Goethe Institut)

## II. EDUCATION

- July 2006            Ph.D. from the Department of Electronic and Computer Engineering, Technical University of Crete. My thesis supervisor was Assoc. Prof. Manolis Koubarakis and the members of my doctoral committee were Prof. Stavros Christodoulakis and Assist. Prof. Vassilis Samoladas. The title of the thesis was “*Peer-to-Peer Techniques for Web Information Retrieval and Filtering*”.
- November 2002      M.Eng. from the Department of Electronic and Computer Engineering, Technical University of Crete. My thesis supervisor was Assoc. Prof. Manolis Koubarakis and the members of my doctoral committee were Prof. Stavros Christodoulakis and Prof. Peter Triantafillou. The title of the thesis was “*Agent-Based Textual Information Dissemination: Data Models, Query Languages, Algorithms and Computational Complexity*”.
- October 2000        B.Sc. with GPA 7.77 out of 10 from the Computer Science Department, University of Crete. My thesis supervisor was Assoc. Prof. Dimitris Plexousakis. The title of the thesis was “*Design and Implementation of a Project Management System using Relational Databases*”.

## III. EMPLOYMENT & RESEARCH EXPERIENCE

### IIIa. Employment

- February 2013 – present            Assistant Professor at the Department of Informatics and Telecommunications, University of Peloponnese and researcher at the Software and Database Systems Laboratory, University of Peloponnese.
- March 2013 – May 2013            External evaluator for FET-Open ICT Research Proposals in FP7
- September 2009 – February 2013      Lecturer at the Department of Computer Science and Technology, University of Peloponnese and researcher at the Software and Database Systems Laboratory, University of Peloponnese.
- February 2009 – September 2009      Visiting lecturer at the Department of Computer Science and Technology, University of Peloponnese and visiting researcher at the Software and Database Systems Laboratory, University of Peloponnese.
- January 2007 – August 2008        Coordinator of the “P2P Data Management” group at the Databases and Information Systems Department, Max-Planck Institute for Informatics. Director: Prof. Gerhard Weikum.
- September 2006 – January 2007        Postdoctoral researcher at the Databases and Information Systems Department, Max-Planck Institute for Informatics. Director: Prof. Gerhard Weikum.

- November 2005 – December 2005      Visiting researcher at the Databases and Information Systems Department, Max-Planck Institute for Informatics (position paid by DELOS Network of Excellence research exchange grant).
- June 2000 – August 2006      Research assistant at the Intelligent Systems Lab, Technical University of Crete. Director: Assoc. Prof. Manolis Koubarakis.

### **IIIb. Participation in projects**

- March 2014 – present      Participation in project “Innovative web/mobile GIS/LBS e-Services with Augmented Reality features for the tourism sector” funded by the GSRT - General Secretariat for Research & Technology, Greece. More information about the project is available at: [www.e-tourism-project.gr](http://www.e-tourism-project.gr)
- October 2013 – present      Participation in project “Quality Assurance Unit of the University of Peloponnese” funded by the Ministry of Education, Operational Programme for Education and Initial Vocational Training, Greece. More information about the project is available at: [www.espa.gr](http://www.espa.gr)
- November 2002 – July 2006      Principal investigator (together with Manolis Koubarakis) in project “Heraclitus” funded by the Greek Ministry of Education. More information about the project is available at: [www.epeaek.gr](http://www.epeaek.gr)
- April 2004 – August 2006      Research assistant in project EVERGROW – “*ever-growing, global, scale-free networks, their provisioning, repair and unique functions*” (EU 6th Framework Programme IST/FET). More information about the project is available at: [www.evergrow.org](http://www.evergrow.org)
- July 2000 - June 2003      Research assistant in project DIET – “*Decentralised Information Ecosystem Technologies*” (EU 5th Framework Programme IST/FET). More information about the project is available at: [www.dfki.uni-kl.de/DIET/public/index.html](http://www.dfki.uni-kl.de/DIET/public/index.html)

## **IV. TEACHING**

### **IVa. Postgraduate courses**

- Advance Topics in Web Information Management      Postgraduate course taught in 2013 at the Department of Computer Science and Technology, University of Peloponnese.
- Programming and Internet Technologies      Postgraduate course taught in 2012 at the Department of Computer Science and Technology, University of Peloponnese.
- Internet Technologies      Postgraduate course taught in 2011 at the Department of Computer Science and Technology, University of Peloponnese.

Artificial Intelligence Postgraduate course co-taught with Dr. Amalia Foka in 2010 at the Department of Computer Science and Technology, University of Peloponnese.

#### **IVb. Undergraduate courses**

Information Retrieval 3<sup>rd</sup> year course taught in 2009–2013 at the Department of Computer Science and Technology, University of Peloponnese.

Data Management Systems 4<sup>th</sup> year course taught in 2009–2012 at the Department of Computer Science and Technology, University of Peloponnese.

Internet Services 3<sup>rd</sup> year course taught in 2009 at the Department of Computer Science and Technology, University of Peloponnese.

Programming II 1<sup>st</sup> year course, taught in 2008–2014 at the Department of Computer Science and Technology, University of Peloponnese.

#### **IVc. Teaching assistantships**

Teaching assistant at the Department of Electronic and Computer Engineering, Technical University of Crete in the following courses:

- Artificial Intelligence (2003 – 2005)
- Agent-Based Internet Computing (2002 – 2005)
- Compilers (2000 – 2003)
- Theory of Computation (2002 & 2005)
- Introduction to Computer Science (2001)

## **V. PUBLICATIONS**

#### **Va. Publications in journals and magazines**

1. Christos Tryfonopoulos, Stratos Idreos, Manolis Koubarakis, and Paraskevi Raftopoulou. Distributed Large-Scale Information Filtering. In *LNCS Transactions on Large-Scale Data- and Knowledge-Centered Systems (TLDKS)*, Springer, 13:91-122, 2014.
2. Paraskevi Raftopoulou, Euripides G.M. Petrakis, and Christos Tryfonopoulos. Rewiring Strategies for Semantic Overlay Networks. In *Distributed and Parallel Databases (DPD)*, 26(2-3): 181-205, 2009.
3. Christos Tryfonopoulos, Manolis Koubarakis, and Yannis Drougas. Information Filtering and Query Indexing for an Information Retrieval Model. In *ACM Transactions on Information Systems (TOIS)*, 27(2), 2009.
4. Christos Tryfonopoulos, Christian Zimmer, Manolis Koubarakis, and Gerhard Weikum. Architectural Alternatives for Information Filtering in Structured Overlay Networks. In *IEEE Internet Computing*, 11(4): 24-34, 2007.

5. Manolis Koubarakis, Spiros Skiadopoulos, and Christos Tryfonopoulos. Logic and Computational Complexity for Boolean Information Retrieval. In *IEEE Transactions on Knowledge and Data Engineering (TKDE)*, 18(12): 1659-1666, 2006.
6. Manolis Koubarakis, Christos Tryfonopoulos, Stratos Idreos, and Yannis Drougas. Selective Information Dissemination in P2P Networks: Problems and Solutions. In *SIGMOD Record, Special Issue on Peer-to-Peer Data Management*, 32(3):71-76, 2003.

## **Vb. Publications in conferences**

1. Giorgos Poulis, Aris Gkoulalas-Divanis, Grigorios Loukides, Spiros Skiadopoulos, and Christos Tryfonopoulos. SECRETA: A System for Evaluating and Comparing RELational and Transaction Anonymization algorithms. In *Proceedings of the 17th International Conference on Extending Database Technology (EDBT)*, Athens, Greece, March 2014. Demo paper.
2. Jenny Rompa, Christos Tryfonopoulos, Costas Vassilakis, and George Lepouras. Mindmap-Inspired Semantic Personal Information Management. In *Proceedings of the 17th International Conference on Extending Database Technology (EDBT)*, Athens, Greece, March 2014. Demo paper.
3. Amalia Tsafara, Christos Tryfonopoulos, and Spiros Skiadopoulos. CloudStudy: A Cloud-Based System for Supporting Multi-Centre Studies. In *Proceedings of the 13th IEEE International Conference on BioInformatics and BioEngineering (BIBE)*, Chania, Greece, November 2013.
4. Paraskevi Raftopoulou, Christos Tryfonopoulos, Euripides G.M. Petrakis, and Nikos Zevlis. DS4: Introducing Semantic Friendship in Distributed Social Networks. In *Proceedings of the 21st International Conference on Cooperative Information Systems (CoopIS)*, Graz, Austria, September 2013.
5. Dionisis Kontominas, Paraskevi Raftopoulou, Christos Tryfonopoulos, and Euripides G.M. Petrakis. DS4: A Distributed Social and Semantic Search System. In *Proceedings of the European Conference on Information Retrieval (ECIR)*, Moscow, Russia, March 2013. Demo paper.
6. Lefteris Zervakis, Christos Tryfonopoulos, Antonios Papadakis-Pesaresi, Manolis Koubarakis, and Spiros Skiadopoulos. Full-text Support for Publish/Subscribe Ontology Systems. In *Proceedings of the Extended Semantic Web Conference (ESWC)*, Crete, Greece, May 2012. Poster paper.
7. Christos Tryfonopoulos and Laura-Maria Andreescu. Pricing Information Goods in Distributed Agent-based Information Filtering. In *Proceedings of the 19th International Conference on Cooperative Information Systems (CoopIS)*, Crete, Greece, October 2011.
8. Jenny Rompa, Giorgos Lepouras, Costas Vassilakis, and Christos Tryfonopoulos. OntoFM: A Personal Ontology-based File Manager for the Desktop. In *Proceedings of the International Semantic Web Conference (ISWC)*, Bonn, Germany, October 2011. Demo paper.
9. Michael Backes, Marek Hamerlik, Alessandro Linari, Matteo Maffei, Christos Tryfonopoulos, and Gerhard Weikum. Anonymity and Censorship Resistance in Unstructured Overlay Networks. In *Proceedings of the 17th International Conference on Cooperative Information Systems (CoopIS)*, Vilamoura, Portugal, November 2009.

10. Avishek Anand, Srikanta Bedathur, Klaus Berberich, Ralf Schenkel, and Christos Tryfonopoulos. EverLast: A Distributed Architecture for Preserving the Web. In *Proceedings of the Joint Conference on Digital Libraries (JCDL)*, Austin, Texas, June 2009.
11. Christian Zimmer, Christos Tryfonopoulos, and Gerhard Weikum. Exploiting Correlated Keywords to Improve Approximate Information Filtering. In *Proceedings of the 31st Annual International ACM SIGIR Conference*, Singapore, July 2008.
12. Paraskevi Raftopoulou, Euripides G.M. Petrakis, Christos Tryfonopoulos, and Gerhard Weikum. Information Retrieval and Filtering over Self-Organising Digital Libraries. In *Proceedings of the 12th European Conference on Research and Advanced Technology for Digital Libraries (ECDL)*, Aarhus, Denmark, September 2008.
13. Christian Zimmer, Christos Tryfonopoulos, Klaus Berberich, Manolis Koubarakis, and Gerhard Weikum. Approximate Information Filtering in Peer-to-Peer Networks. In *Proceedings of the 9th International Conference on Web Information Systems Engineering (WISE)*, Auckland, New Zealand, September 2008.
14. Michael Backes, Marek Hamerlik, Alessandro Linari, Matteo Maffei, Christos Tryfonopoulos, and Gerhard Weikum. Anonymous and Censorship-resistant Content-sharing in Unstructured Overlays. In *Proceedings of the ACM Symposium on Principles of Distributed Computing (PODC)*, Toronto, Canada, August 2008. (brief announcement)
15. Christian Zimmer, Johannes Heinz, Christos Tryfonopoulos, and Gerhard Weikum. P2P Information Retrieval and Filtering with MAPS. In *Proceedings of the IEEE International Conference on Peer-to-Peer Computing (P2P)*, Aachen, Germany, September 2008. (demo paper)
16. Christian Zimmer, Christos Tryfonopoulos, and Gerhard Weikum. MinervaDL: An Architecture for Information Retrieval and Filtering in Distributed Digital Libraries. In *Proceedings of the 11th European Conference on Research and Advanced Technology for Digital Libraries (ECDL)*, Budapest, Hungary, September 2007.
17. Christian Zimmer, Christos Tryfonopoulos, and Gerhard Weikum. Efficient Search and Approximate Information Filtering in a Distributed Peer-to-Peer Environment of Digital Libraries. In *Proceedings of the DELOS Conference on Digital Libraries*, Pisa, Italy, February 2007.
18. Stratos Idreos, Christos Tryfonopoulos, and Manolis Koubarakis. Distributed Evaluation of Continuous Equi-join Queries over Large Structured Overlay Networks. In *Proceedings of the 22nd International Conference on Data Engineering (ICDE)*, Atlanta, USA, April 2006.
19. Christos Tryfonopoulos, Stratos Idreos, and Manolis Koubarakis. LibraRing: An Architecture for Distributed Digital Libraries Based on DHTs. In *Proceedings of the 9th European Conference on Research and Advanced Technology for Digital Libraries (ECDL)*, pages 25-36, Vienna, Austria, September 2005. (best student paper award)
20. Christos Tryfonopoulos, Stratos Idreos, and Manolis Koubarakis. Publish/Subscribe Functionality in IR Environments using Structured Overlay Networks. In *Proceedings of the 28th Annual International ACM SIGIR Conference*, Salvador, Brazil, August 2005.
21. Stratos Idreos, Manolis Koubarakis, and Christos Tryfonopoulos. P2P-DIET: An Extensible P2P Service that Unifies Ad-hoc and Continuous Querying in Super-Peer Networks. In *Proceedings of the ACM SIGMOD Conference*, pages 933-934, Paris, France, June 2004. (demo paper)

22. Christos Tryfonopoulos, Manolis Koubarakis, and Yannis Drougas. Filtering Algorithms for Information Retrieval Models with Named Attributes and Proximity Operators. In *Proceedings of the 27th Annual International ACM SIGIR Conference*, pages 313-320, Sheffield, UK, July 2004.
23. Stratos Idreos, Manolis Koubarakis, and Christos Tryfonopoulos. P2P-DIET: One-Time and Continuous Queries in Super-Peer Networks. In *Proceedings of the 9th International Conference on Extending Database Technology (EDBT)*, pages 851-853, Heraklion, Greece, March 2004. (demo paper)
24. Manolis Koubarakis, Theodoros Koutris, Christos Tryfonopoulos, and Paraskevi Raftopoulou. Information Alert in Distributed Digital Libraries: The Models, Languages, and Architecture of DIAS. In *Proceedings of the 6th European Conference on Research and Advanced Technology for Digital Libraries (ECDL)*, pages 527-542, Rome, Italy, September 2002.

### **Vc. Publications in international workshops**

1. Christian Zimmer, Christos Tryfonopoulos, Klaus Berberich, Gerhard Weikum, and Manolis Koubarakis. Node Behavior Prediction for Large-Scale Approximate Information Filtering. In *Proceedings of the International Workshop on Large-Scale Distributed Systems for Information Retrieval (LSDS-IR)*, Amsterdam, The Netherlands, July 2007.
2. Klaus Berberich, Manolis Koubarakis, Christos Tryfonopoulos, Gerhard Weikum, and Christian Zimmer. MAPS: Approximate Publish/Subscribe Functionality in Peer-to-Peer Networks. In *Proceedings of the Inaugural International Workshop on Advanced Data Processing in Ubiquitous Computing (ADPUC)*, Melbourne, Australia, November 2006.
3. Christos Tryfonopoulos, Stratos Idreos, and Manolis Koubarakis. Publish/Subscribe Functionalities for Future Digital Libraries using Structured Overlay Networks. In *Proceedings of the 8th International Workshop of the DELOS Network of Excellence on Digital Libraries on Future Digital Library Management Systems (DELOS)*, Schloss Dagstuhl, Germany, March 2005.
4. Christos Tryfonopoulos and Manolis Koubarakis. Implementing Publish/Subscribe Systems with Languages from Information Retrieval on Top of Structured Overlay Networks. In *Proceedings of the International Workshop on Peer-to-Peer and Information Retrieval (P2P&IR)*, Sheffield, UK, July 2004.
5. Christos Tryfonopoulos and Manolis Koubarakis. Publish/Subscribe Systems with Distributed Hash Tables and Languages from Information Retrieval. In *Proceedings of the 6th International Workshop on Distributed Data and Structures (WDAS)*, Lausanne, Switzerland, July 2004.
6. Christos Tryfonopoulos and Manolis Koubarakis. Distributed Resource Sharing using Self-Organized Peer-to-Peer Networks and Languages from Information Retrieval. In *Proceedings of the International Workshop on Self-\* Properties in Complex Information Systems (Self-\*)*, Bertinoro, Italy, May 2004.
7. Stratos Idreos, Christos Tryfonopoulos, Manolis Koubarakis, and Yannis Drougas. Query Processing in Super-Peer Networks with Languages Based on Information Retrieval: the P2P-DIET Approach. In *Proceedings of the International Workshop on Peer-to-peer Computing and Databases (P2P&DB)*, Herakion, Greece, March 2004.

8. Manolis Koubarakis and Christos Tryfonopoulos. Peer-to-peer Agent Systems for Textual Information Dissemination: Algorithms and Complexity. In *Proceedings of the UK Workshop on Multiagent Systems (UKMAS)*, Liverpool, UK, December 2002.
9. Manolis Koubarakis, Christos Tryfonopoulos, Paraskevi Raftopoulou, and Theodoros Koutris. Data Models and Languages for Agent-Based Textual Information Dissemination. In *Proceedings of the 6th International Workshop on Cooperative Information Agents (CIA)*, volume 2446 of Lecture Notes in Artificial Intelligence, pages 179-193, Madrid, Spain, September 2002. Springer.
10. P. Marrow, M. Koubarakis, R.H. van Lengen, F. Valverde-Albacete, E. Bonsma, J. Cid-Suerio, A.R. Figueiras-Vidal, A. Gallardo-Antolin, C. Hoile, T. Koutris, H. Molina-Bulla, A. Navia-Vazquez, P. Raftopoulou, N. Skarmas, C. Tryfonopoulos, F. Wang, and C. Xiruhaki. Agents in Decentralised Information Ecosystems: The DIET Approach. In *Proceedings of the Symposium on Information Agents for E-Commerce*, AISB Convention, York, UK, March 2001.

#### **Vd. Publications in national venues**

1. Greek Working Group for Infective Endocarditis, Spiros Skiadopoulos, and Christos Tryfonopoulos. Greek Multi-Centre Epidemiological Study on Infective Endocarditis: Initial Results. In *Infections 2013 – Hellenic Society for Infectious Diseases*, Athens, Greece, February 2013.
2. Avishek Anand, Srikanta Bedathur, Klaus Berberich, Ralf Schenkel, and Christos Tryfonopoulos. EverLast: A Distributed Architecture for Preserving the Web. In *Proceedings of the 8th Hellenic Data Management Symposium (HDMS)*, Athens, Greece, August 2009.
3. Christos Tryfonopoulos, Christian Zimmer, Manolis Koubarakis, and Gerhard Weikum. Architectural Alternatives for Information Filtering in Structured Overlay Networks. In *Proceedings of the 6th Hellenic Data Management Symposium (HDMS)*, Athens, Greece, July 2007.
4. Stratos Idreos, Christos Tryfonopoulos, and Manolis Koubarakis. Distributed Evaluation of Continuous Equi-join Queries over Large Structured Overlay Networks. In *Proceedings of the 5th Hellenic Data Management Symposium (HDMS)*, Thessaloniki, Greece, September 2006.
5. Christos Tryfonopoulos, Stratos Idreos, and Manolis Koubarakis. Publish/Subscribe Functionality in IR Environments using Structured Overlay Networks. In *Proceedings of the 4th Hellenic Data Management Symposium (HDMS)*, Athens, Greece, August 2005.
6. Christos Tryfonopoulos, Manolis Koubarakis, and Yannis Drougas. Filtering Algorithms for Information Retrieval Models with Named Attributes and Proximity Operators. In *Proceedings of the 3rd Hellenic Data Management Symposium (HDMS)*, Athens, Greece, March 2004.
7. Manolis Koubarakis, Theodoros Koutris, Paraskevi Raftopoulou, and Christos Tryfonopoulos. Efficient Agent-Based Dissemination of Textual Information. In *Proceedings of the 2nd Hellenic Conference on Artificial Intelligence (SETN)*, Thessaloniki, Greece, April 2002.



## **Ve. Invited papers, theses and technical reports**

1. Christos Tryfonopoulos. P2P Information Retrieval and Filtering. In the Hellenic Artificial Intelligence Society, special edition for ECAI 2008 participants, May 2008.
2. Christos Tryfonopoulos. Peer-to-Peer Techniques for Web Information Retrieval and Filtering. PhD thesis, Department of Electronic and Computer Engineering, Technical University of Crete, Greece, July 2006.
3. Christos Tryfonopoulos. P2P Techniques for Web Information Retrieval and Filtering. In *The Informer, newsletter of the British Computer Society, Information Retrieval Specialist Group*, Autumn Edition 2005.
4. Christos Tryfonopoulos. Agent-Based Textual Information Dissemination: Data Models, Query Languages, Algorithms and Computational Complexity. MSc thesis, Department of Electronic and Computer Engineering, Technical University of Crete, Greece, October 2002.
5. Christos Tryfonopoulos and Manolis Koubarakis. Selective Dissemination of Information in P2P Systems: Data Models, Query Languages, Algorithms and Computational Complexity. Technical Report TR-ISL-02-2003, Department of Electronic and Computer Engineering, Technical University of Crete, 2002.
6. Christos Tryfonopoulos. Design and Implementation of a Project Management System using Relational Databases. Diploma thesis, Department of Computer Science, University of Crete, Greece, 2000.

## **VI. Scientific contribution**

### **VIa. Citations**

The papers presented in Section V are cited by **more than 320 works** (self-citations are not included) presented at international journals and magazines, conferences, workshops, technical reports and theses including venues like VLDB Journal, IEEE TKDE, IEEE TOIT, IEEE TPDS, Communications of the ACM, ACM Computing Surveys, Elsevier Information Processing & Management, VLDB, ICDE, SIGIR, WWW, ISWC, ICDCS, CIKM, WISE, IPDPS, Middleware, P2P, AAMAS, WSDM, DEBS, etc. The full citation list is available upon request.

### **VIb. Scholarships and awards**

- May 2012. Honorable mention for best poster (3rd place) in ESWC 2012 conference.
- June 2008. Award as “Distinguished Scientist Excelling in Research Abroad” from the Hellenic Ministry of National Defense.
- September 2005. Best student paper award at the European Conference on Research and Advanced Technology for Digital Libraries (ECDL) 2005. The DELOS Research Exchange Award received is funded by DELOS NoE in Digital Libraries, and covers the expenses (up to €4000) for visiting one of DELOS partners.
- November 2002 - July 2006. Postgraduate Research Scholarship for pursuing a Ph.D. given by the Greek Ministry of Education.

- September 1988. Scholarship from the National Scholarship Foundation of Greece (IKY) during my undergraduate studies at the Computer Science Department, University of Crete.

## **VIc. Program committee memberships**

### **Journals**

Information Systems (Elsevier), 2014. Journal of Web Semantics (Elsevier), 2014. Ad Hoc Networks (Elsevier), 2014. International Journal of Web Information Systems (Emerald), 2014. Transactions on Computers (IEEE), 2013. Data and Knowledge Engineering (Elsevier), 2011. The Computer Journal (Oxford Journals), 2011. Computing Surveys (ACM), 2010. Transactions on Data and Knowledge Engineering (ACM), 2009. Handbook of Research on P2P and Grid Systems for Service-Oriented Computing: Models, Methodologies and Applications (IGI-Global), 2009. Transactions on the Web (ACM), 2008. Transactions on Parallel and Distributed Systems (IEEE), 2008. Journal of Data and Knowledge Engineering (Elsevier), 2007. Journal of Parallel and Distributed Computing (Elsevier), 2007. Computer and Information Science (CCSE), 2011-2013. SCIT Journal, 2011-2013. Journal of Concurrency and Computation: Practice and Experience (Wiley), 2007. Internet Computing (IEEE), 2006. Transactions on Systems, Man, and Cybernetics (IEEE) 2004, guest editor for special issue on “Self-organization in Distributed Systems Engineering”.

### **Conferences & Workshops**

ECIR 2014. ISWC 2007, 2011, 2012. LSDS-IR 2007 – 2011. DEXA 2009 – 2011. PCI 2010 & 2011. SIGIR 2010 & 2012. DaMIWS 2010. AP2PS 2009 – 2010. ESWC 2008 – 2009. EEIR 2008. HDMS 2008. DaMap 2008. ADBIS 2007. ICTAI 2007. INFOSCALE 2007. ASWC 2007. PersDL 2007. P2PIR 2006. IIT 2006. e-Science 2005.

## **VII. OTHER ACADEMIC ACTIVITIES**

### **VIIa. Student supervision**

#### **PhD students**

- Lefteris Zervakis, ongoing. Thesis topic: “Publish/Subscribe in Complex Graphs”. Thesis is conducted at the University of Peloponnese and is co-supervised with Assist. Prof. Spiros Skiadopoulos.
- Themistoklis Kutsuras, ongoing. Thesis topic: “Data management in social networks”. Thesis is conducted at the University of Peloponnese and is co-supervised with Assist. Prof. Spiros Skiadopoulos.
- Christian Zimmer, completed in 2008. Thesis title: “Approximate Information Filtering in P2P Networks”. Thesis was conducted at Max-Planck Institute for Informatics and University of Saarland and was co-supervised with Prof. Gerhard Weikum.

## **MSc students**

- Amalia Tsafara (MSc), completed in 2014. Thesis title: “CloudStudy: A web-based system for supporting multi-centre studies”. Thesis was conducted at the University of Peloponnese.
- Lefteris Zervakis (MSc), completed in 2014. Thesis title: “Full-text Support for Publish/Subscribe Ontology Systems”. Thesis was conducted at the University of Peloponnese.
- Alexander Prohaska (MSc), completed in 2008. Thesis title: “VSM Query Subsumption in Content-Based Publish/Subscribe Systems”. Thesis was conducted at the University of Saarland.
- Marek Hamerlik (MSc), completed in 2008. Thesis title: “Anonymous and Censorship-Resistant IR over P2P Networks”. Thesis was conducted at the University of Saarland and was co-supervised with Dr. Matteo Maffei.
- Laura Andreescu (MSc), completed in 2008. Thesis title: “Incentive-Based Publish/Subscribe Systems”. Thesis was conducted at Max-Planck Institute for Informatics, University of Saarland, and INSEAD Business School.
- I am currently supervising three theses the University of Peloponnese in the area of data and information management.

## **BSc students**

- Dimitris Giouroukis (BSc), completed in 2013. Thesis title: “ChordViz: A Chord Protocol Visualisation”. Thesis was conducted at the University of Peloponnese.
- Nikos Zevlis, (BSc), completed in 2013. Thesis title: “Interest-Based User Clustering in Distributed Social Networks”. Thesis was conducted at the University of Peloponnese.
- Diana Munteanu, (BSc), completed in 2013. Thesis title: “Forecasting DNS Traffic Data”. Thesis was conducted at the University of Peloponnese.
- Dionisis Kontominas, (BSc), completed in 2013. Thesis title: “Implementation of a Semantic Overlay Network for Distributed Data Management”. Thesis was conducted at the University of Peloponnese and was co-supervised with Dr. Paraskevi Raftopoulou.
- Lefteris Zervakis, (BSc), completed in 2011. Thesis title: “Query Indexing Algorithms for Publish/Subscribe Systems”. Thesis was conducted at the University of Peloponnese.
- Amalia Tsafara (BSc), completed in 2011. Thesis title: “Collection and Analysis of Social Data: the delicious case”. Thesis was conducted at the University of Peloponnese.
- Diana Munteanu, ongoing. Thesis topic: “Trend prediction in DNS traffic”. Thesis is conducted at the University of Peloponnese.
- Giorgos Lapatas, ongoing. Thesis topic: “Implementation of a publish/subscribe systems for research papers”. Thesis is conducted at the University of Peloponnese.

- I am currently supervising six theses the University of Peloponnese in the area of data and information management.

## **VIIIb. Examination committee memberships**

### **PhD steering committees**

- Giorgos Poulis, (2014). Thesis title: "Data Anonymity and Truthfulness". Supervised by Assist. Prof. Spiros Skiadopoulos. The thesis was conducted at the Department of Computer Science & Technology, University of Peloponnese.
- Panagiotis Giannikopoulos, (2012). Thesis title: "Recommender Systems Over Distributed Architectures". Supervised by Assist. Prof. Costas Vassilakis. The thesis was conducted at the Department of Computer Science & Technology, University of Peloponnese.

### **PhD examination committees**

- Kostas Parousis-Orthodoxou, (2014). Thesis title: "Evolutionary Algorithms in Complex Networks". Supervised by Assoc. Prof. Dimitris Vlachos. The thesis was conducted at the Department of Informatics and Telecommunications, University of Peloponnese.
- Poulcheria Benou, (2012). Thesis title: "A Development Methodology and a Software Architecture for Provisioning of Context-Aware m-Commerce Applications". Supervised by Assist. Prof. Costas Vassilakis. The thesis was conducted at the Department of Computer Science & Technology, University of Peloponnese.
- Iris Miliaraki, PhD (2011). Thesis title: "Distributed filtering and dissemination of XML data in peer-to-peer systems". Supervised by Prof. Manolis Koubarakis. The thesis was conducted at the Department of Informatics & Telecommunications, National and Kapodistrian University of Athens.
- George Rizos, PhD (2010). Thesis title: "Routing simulation, performance study and representation mechanisms for QoS in data-intensive applications over mobile ad-hoc networks". Supervised by Assist. Prof. Costas Vassilakis. The thesis was conducted at the Department of Computer Science & Technology, University of Peloponnese.

### **MSc & BSc examination committees**

- I have participated in 18 MSc and 6 BSc examination committees.

## **VIIIc. Presentations and invited talks**

I have presented papers, demos and posters in more than 25 international conferences and workshops, including leading venues in the areas of information retrieval, databases and digital libraries. I have also presented work conducted in the context of European projects both at project reviews and technical meetings. Below I list selected invited talks that were not given in the context of conferences or workshops.

- February 2009. Anonymity and censorship-resistance in P2P networks. Information Security and Cryptography group, Saarland University, Germany.

- April 2008. Alerting in Mobile Environments. Presented at Bertinoro international Center for informatics (BiCi), Bertinoro, Forli-Cesena, Italy.
- May 2007. Architectural Alternatives for Information Filtering in Structured Overlay Networks. Presented at Dept. of Computer Science, University of Ioannina, Greece.
- February 2006. Information retrieval and filtering in IR environments. L3S research center, Hannover, Germany.
- December 2005. Information Filtering with IR-Based Languages. CWI research center, Amsterdam, The Netherlands.
- November 2005. Distributed Information Retrieval and Filtering. Max-Planck Institute for Informatics, Saarbruecken, Germany.
- December 2002. Presentation of the Intelligent Systems Lab, Technical University of Crete at the European Research Area Meeting, Brussels, Belgium.
- April 2002. Agents in Biomedical Applications. Medical School, University of Crete, Heraklion, Greece.

#### **VIIId. Seminars attended**

- April 2010. Advanced topics in Grid Technologies. Organiser: Greek Research and Technology Network (GRNET S.A).
- August 2004. EDBT Endowment, Seventh summer school in “XML & Databases”. Organiser: EDBT Endowment. Speakers: T. Schwentick, I. Manolescu, D. Florescu, J. Simeon, A. Halevy, R. Hull, S. Amer-Yahia, M. van Keulen, T. Grust.
- June 2004. Multi-Mine Seminar Series, “*Knowledge Extraction with Emphasis in Medical Applications*”. Organiser: Technical University of Crete.
- July 2002. “*The Data Avalanche: Reducing Information Overload*”. Organiser: Onassis Foundation and FORTH. Speakers: J. Gray, P. Konstantopoulos, S. Orphanoudakis, T. Sellis, D. Tschritzis.
- July 2000. “*Planning the Motion of Robots and Molecules: An Algorithmic Introduction*”. Organiser: University of Crete and FORTH. Speaker: L. Kavradi

### **IX. OTHER PERSONAL DETAILS**

Date of birth:	June 27, 1978
Place of birth:	Athens, Greece
Nationality:	Greek
Marital status:	Married
Military service:	Served
Interests:	Sports (tennis, football), traveling, literature, history