

Panos Constantopoulos

Curriculum Vitae

February 2019

Education

Diploma in Electrical and Mechanical Engineering, National Technical University of Athens, 1978.

Master of Science in Electrical Engineering, Carnegie-Mellon University 1979.

Doctor of Science in Operations Research, Massachusetts Institute of Technology, 1983.

Academic and research appointments

2003 - present	Professor, Department of Informatics, Athens University of Economics and Business
1997- 2003	Professor, Department of Computer Science, University of Crete
1991-1997	Associate Professor, Department of Computer Science, University of Crete
1986-1991	Assistant Professor, Department of Computer Science, University of Crete
2007-present	Affiliated faculty member, “Athena” Research and Innovation Centre in Information, Communication and Knowledge Technologies
1986-2006	Affiliated faculty member, Foundation for Research and Technology – Hellas.
2002	Visiting professor, Conservatoire National des Arts et Metiers, Paris
2001	Visiting director of research (CNRS), Universite de Paris – Sud
1994	Visiting associate professor, Universite de Paris – Sud
1994	Visiting associate professor, University of Toronto
1990	Visiting scientist, Operations Research Center, MIT
1989	Visiting scientist, IBM T.J. Watson Research Center

Administrative experience

Positions

2018-present	Director, MSc Programme in Digital Methods for the Humanities, Department of Informatics, Athens University of Economics and Business
2013-2017	Dean, School of Information Sciences and Technology, Athens University of

Economics and Business

- 2009- 2013 Chairman, Department of Informatics, Athens University of Economics and Business
- 2007-present Founder and Head, Digital Curation Unit, Information Management Systems Institute, “Athena” Research and Innovation Centre in Information, Communication and Knowledge Technologies
- 2005- 2018 Director, Information Systems and Databases Laboratory, Department of Informatics, Athens University of Economics and Business
- 2005-2009 Associate Chairman, Department of Informatics, Athens University of Economics and Business
- 1998-2004 Associate Director, Archaeology – Computer Science Interdepartmental Programme of Graduate Studies, University of Crete
- 1996-1998 Chairman, Department of Computer Science, University of Crete.
- 1994-1998 Associate Director, Institute of Computer Science, Foundation for Research and Technology – Hellas.
- 1993-2003 Director of Graduate Studies, Department of Computer Science, University of Crete.
- 1992-2003 Founder and Head, Information Systems Laboratory and Centre for Cultural Informatics, Institute of Computer Science, Foundation for Research and Technology – Hellas

Memberships

- 2011-2013 Chairman, Procurement Committee for the Troias Building, Athens University of Economics and Business
- 2009-2017 Senate, Athens University of Economics and Business
- 2004-2018 Committee of the Graduate Programme on Information Systems, Department of Informatics, Athens University of Economics and Business
- 2000- 2003 Technical Council, University of Crete
- 1999- 2003 Graduate Studies Committee, University of Crete
- 1996-1998 Senate, University of Crete
- 1989-1995 Research Committee, University of Crete
- 1986- 2003 Graduate Studies Committee, Department of Computer Science, University of Crete
- 1986- 2003 Scientific Council, Institute of Computer Science, Foundation for Research and Technology – Hellas

International positions

- 2014- present National representative, ESFRI Strategic Working Group: Social and Cultural Innovation
- 1993-1997 Executive Committee, European Research Consortium for Informatics and Mathematics (ERCIM) .
- 1987-1989 National representative, ESPRIT Management Committee.

Other experience

Consultant or external expert to a number of organizations, companies and the European Commission.

Research interests

Knowledge representation and conceptual modelling, ontology engineering, semantic information access, process mining, knowledge management systems, decision support systems, cultural informatics, digital libraries, digital curation and preservation.

Scientific activity development

He has introduced, organized, coordinated and conducted research and development activities and related educational activities in leading edge areas, mostly of interdisciplinary character. The main ones are:

1. Semantic systems and cultural informatics.

He founded and led for 12 years (1992-2003) the **Information Systems Laboratory (ISL)**¹ and the **Centre for Cultural Informatics (CCI)**² of the Institute of Computer Science, Foundation for Research and Technology – Hellas. The main lines of work at ISL under his leadership were **semantic interoperability** and the development of **cultural informatics**. In these two areas ISL became an important international player and the leader in cultural informatics in Greece.

Selected results:

(a) The **Software Information Base**, an advanced repository for reusable software supporting the entire software lifecycle and multiple models and languages simultaneously. Mainly developed within the ITHACA ESPRIT project, this was the first semantic network software repository system. In this context several problems ranging from the management of large scale semantic network knowledge structures to related user interaction issues were addressed paving the way to the development of SIS (see below) and the expansion to other application domains, especially cultural documentation.

¹ https://www.ics.forth.gr/isl/index_main.php?l=e&c=253

² https://www.ics.forth.gr/isl/index_main.php?l=e&c=252

(b) A highly performing implementation of the Telos knowledge representation language, initially as part of the Software Information Base (see above), subsequently extended to a general semantic network data management environment, called **Semantic Index System (SIS)**, that supported large scale semantic linking and meta-modelling and the documentation of evolving varieties of highly interrelated data, concepts and complex relationships. This enjoyed a number of production and experimental installations internationally and applications in vocabulary management and alignment, fault diagnosis and documentation, software static analysis, document annotation, museum documentation and metadata management. A major application of SIS was in the area of terminology management with a specialized version known as SIS-TMS (thesaurus management system) focused on the development and management of multi-lingual thesauri. A descendant of SIS-TMS, called THEMAS, is currently offered by CCI. Funding for this activity was obtained from research projects, the Getty Information Institute, the Deutsches Nationalmuseum, and private companies.

(c) Theoretical and algorithmic work in the area of knowledge representation dealing with a number of issues of topical interest: the semantics of semantic networks; several kinds of semantic constructs, such as specialization by restriction, inheritance through instantiation, property covering, contextualization as an abstraction mechanism; information integration and source mediation on the basis of taxonomies; and an operational theory of semantic similarity based on stored semantic relations and properties rather than subjective user input.

(d) The **CLIO cultural documentation system**. A pioneering system built using the SIS (see above) and installed at the Benaki Museum. CLIO allowed extremely dense linking of information, access by unlimited chained references, expression of abstract properties and various ways of joint temporal and spatial assignment, as well as the extension and modification of the data schema by the users, thus supporting the easy adaptation of the system to the field of work and the evolution of knowledge. The significance of the CLIO system lies in that it explicitly acknowledged and addressed the evolving, incomplete and conflicting nature of knowledge, the variety of required documentation structures, and the need for typed associations, as opposed to opaque references, in order to support reasoning over documentation data. It was a precursor to current systems employing Semantic Web technologies. Most importantly, though, it explicitly introduced an ontology and served as the seed from which CIDOC CRM grew.

(e) The **CIDOC CRM standard**. Starting with the CLIO system, extensive work on semantic cultural modeling was undertaken in the ISL with several international collaborations, eventually leading to the development of the ISO 21127 CIDOC CRM standard (task leader: Martin Doerr).

(f) The **National Monuments Record system “Polemon”** which, in 2008, was deployed in all the relevant services of the Greek Ministry of Culture (over 60) with trained personnel and an initial stock of more than 100,000 digitized and documented monuments.

2. *Digital Curation*

In 2007 he founded the **Digital Curation Unit (DCU)**³ at the Athena Research Centre to conduct research, technology development and service provision in digital curation. In 2009 the DCU was incorporated in the Information Management Systems Institute of Athena R.C.

The activities of DCU have focused on:

(a) **Aggregation, management and curation** of data and metadata. Starting with a conceptualisation of the digital curation life cycle that extended the then prevalent model of the Digital Curation Centre (DCC) in order to encompass contextual information, we focused on

³ <http://www.dcu.gr/>

streamlining metadata aggregation and transformation workflows supporting multiple schemata, metadata quality assurance and automatic enrichment. The main outcomes of this work are: the **Mopseus** repository system⁴ underlying, among others, the repository of the Academy of Athens with over 20 concurrent schemata; and the **MORe** metadata aggregator⁵, supporting Europeana and several European projects.

(b) **Research process modelling.** This on-going work aims at understanding and capturing research practices in various domains. It started in the context of the preparation phase of DARIAH, the European Infrastructure for Arts and Humanities, and continued through other projects, especially the ESF Network for Digital Methods in the Arts and Humanities (NeDiMAH), focusing on the development of a conceptual model of scholarly work in the Humanities grounded on extensive empirical studies conducted across Europe. The main outcomes of this work are: the **NeDiMAH Methods Ontology (NeMO)**⁶, a CIDOC CRM - compatible, process-oriented ontology of scholarly work in the Humanities; the **Scholarly Ontology**, a domain-independent generalization of NeMO; and a pan-European **study of digital practices in the Humanities**⁷. The development of NeMO also included a taxonomy of research activities along with mappings from pre-existing taxonomies (Oxford ICT, DH Commons and TaDiRAH) to NeMO, thus allowing coordination with previous vocabularies. Furthermore, a prototype knowledge base creation system was built based on the Scholarly Ontology showcasing the automatic extraction of research processes from the text of publications in the Digital Humanities as well as in other domains.

(c) **Research infrastructures.** The development and support of digital research infrastructures is a strategic line of action of DCU. The DCU participates in the European Infrastructure for the Arts and Humanities DARIAH⁸ since the preparatory phase in 2008 and the corresponding national infrastructure DARIAH-GR / ΔΥΑΣ⁹. It has contributed to the development of thematic infrastructures such as ARIADNE¹⁰ for archaeology and EHRI¹¹ for the archives of Holocaust research. It has developed and provides advanced metadata aggregation services to Europeana (projects CARARE¹² and LoCloud¹³) while it also participates in RDA-Europe activities. Recently, the national infrastructures DARIAH-GR and CLARIN-EL¹⁴ (the Greek constituent of CLARIN¹⁵, the European Research Infrastructure for Language Resources and Technology) have

⁴ <http://mopseus.dcu.gr/>

⁵ <http://more.dcu.gr>

⁶ <http://nemo.dcu.gr>

⁷ <https://zenodo.org/record/260101-.Wg7egmKCyu5>

⁸ <https://www.dariah.eu>

⁹ <http://www.dyas-net.gr>

¹⁰ <http://www.ariadne-infrastructure.eu>

¹¹ <https://www.ehri-project.eu>

¹² <http://www.carare.eu>

¹³ <http://www.locloud.eu>

¹⁴ <https://www.clarin.gr/>

¹⁵ <https://www.clarin.eu/>

been combined into one under the name APOLLONIS¹⁶, in which Athena R.C. is the coordinating partner with P. Constantopoulos as coordinator.

3. Interdisciplinary postgraduate education

While at the University of Crete he organized and was deputy director of the **Inter-departmental MSc Programme in Cultural Information Systems and the Management of Cultural Heritage**, jointly run by the Departments of History-Archaeology and Computer Science of the University of Crete in close cooperation with the Centre for Cultural Informatics, FORTH.

As the first Dean of the School of Information Sciences and Technology of the Athens University of Economics and Business, formed in 2013, he launched the **MSc Programme in Data Science**, fostering this area of collaboration between the constituent Departments of Informatics and Statistics.

He organized and currently directs the **MSc Programme in Digital Methods for the Humanities** of the Department of Informatics, Athens University of Economics and Business.

Research grants

From 1986 to present he has been principal investigator on the part of his affiliation in about 40 national or international R&D projects, in 13 of which he has been project coordinator, with a total funding for his affiliation of about 8 million Euros.

Teaching

Undergraduate courses

Information Systems Analysis and Design, Conceptual Modelling of Systems, Development of Information Systems Applications, Introduction to Computer Science, Programming, Theory of Computation, Information Systems, Information Systems Laboratory, Information Modelling, Operations Research.

Graduate courses

Information and knowledge representation and organisation, Analysis of Enterprise Systems, Information Systems, Decision Support Systems, Combinatorial Algorithms, Topics in Resource Allocation, Methods for Systems Analysis and Specification, Information Retrieval.

Theses supervision

Doctoral dissertations: 5

Master of Science theses: 50

Service to the scientific community

Conference organization

¹⁶ <https://apollonis-infrastructure.gr/>

Programme Committee Co-chairman, International Conference on Preservation of Digital Objects 2010.

Co-chairman, Doctoral Consortium, European Conference on Digital Libraries 2009

Programme Committee Co-chairman, International Conference on Enterprise Information Systems (ICEIS), 2006

General Chairman, Hellenic Data Management Symposium, 2004.

General Co-chairman, Computer Applications and Quantitative Methods in Archaeology Conference, 2002.

Programme Committee Co-chairman, European Conference on Digital Libraries 2001.

Organizing Chairman, Conference on Advanced Information Systems Engineering CAiSE'96, 1996

Organizing Chairman, IFIP WG8.4 Conference on Multi-User Interfaces and Applications, 1990.

Programme Committee member

Has been, in several cases repetitively, member of the programme committee of the following conferences:

ACM Conference on Office Information Systems

International Conference on Data Base and Expert Systems Applications (DEXA)

International Conference on Multimedia Information Systems (ACM SIGIR)

International Conference on Conceptual Modelling (ER)

Hellenic Conference on Informatics

ACM SIGIR International Conference on Research and Development in Information Retrieval

Conference on Advanced Information Systems Engineering (CAiSE)

International Conference on Information Systems and Management of Data (CISMOD)

International Conference on Cooperative Information Systems (CoopIS)

IFIP WG8.1 Working Conference on Information Systems Development for Decentralized Organizations

Theory and Practice of Digital Libraries (TPDL)

European Conference on Digital Libraries (ECDL)

Joint Conference on Digital Libraries

International Conference on Software Engineering and Knowledge Engineering (SEKE)

Editing of scientific journals

Member of the Editorial Board, International Journal on Digital Libraries

Associate editor, INFORMS Journal on Computing

Member of the Editorial Board, Requirements Engineering

Reviewer for:

Information Systems

Data and Knowledge Engineering

Computers and Operations Research

Operations Research

ACM Transactions on Information Systems

IEEE Transactions on Software Engineering

Publications

Articles in refereed journals

- J1. P. Constantopoulos, "Decision Support for Massive Personnel Assignment", *Decision Support Systems*, Vol. 5, 1989, pp. 355-363.
- J2. P. Constantopoulos, F.C. Schweppe and R.C. Larson, "ESTIA: A Real-Time Consumer Control Scheme for Space Conditioning Usage under Spot Electricity Pricing, *Computers and Operations Research*, Vol. 18, No. 8, 1991, pp. 751-765.
- J3. P. Constantopoulos, M. Jarke, J. Mylopoulos and Y. Vassiliou, "The Software Information Base: A Server for Reuse", in *VLDB Journal*, Vol. 4, No. 1, Jan. 1995, pp. 1-43.
- J4. G. Spanoudakis and P. Constantopoulos, "Integrating Specifications: A Similarity Reasoning Approach", *Automated Software Engineering Journal*, Vol. 2, No. 4, Dec. 1995, pp. 311-342.
- J5. G. Spanoudakis and P. Constantopoulos, "Elaborating Analogies from Conceptual Models", *International Journal of Intelligent Systems*, Vol. 11, No. 11, pp. 917-974, Wiley, 1996.
- J6. G. Spanoudakis and P. Constantopoulos, "Analogical Reuse of Requirements Specifications: A Computational Model", *Applied Artificial Intelligence: An International Journal*, Vol. 10, No. 4, pp. 281-306, 1996.
- J7. M. Theodorakis and P. Constantopoulos, "Context-Based Naming in Information Bases", *International Journal of Cooperative Information Systems*, Vol 6, No 3-4, pp. 269–292, Sept. – Dec. 1997.
- J8. Analyti, N. Spyratos, and P. Constantopoulos, "On the Semantics of a Semantic Network", *Fundamenta Informaticae*, 2(3), pp. 109-144, 1998.
- J9. Analyti, N. Spyratos, and P. Constantopoulos, "Deriving Semantic Information through Property Covering and Inheritance", *Data and Knowledge Engineering*, 28(1), pp. 3-30, 1998.
- J10. Analyti, P. Constantopoulos, and N. Spyratos, "Specialization by Restriction and Schema Derivations", *Information Systems*, 23(1), pp. 1-38, 1998.
- J11. Y. Velegrakis, V. Christophides and P. Constantopoulos, "On Z39.50 wrapping and description logics", *Int. J. on Digital Libraries* (2000) 3, pp. 208-220, Springer-Verlag.
- J12. Analyti, N. Spyratos, and P. Constantopoulos, "Deriving and Retrieving Contextual Categorical Information through Instance Inheritance", *Fundamenta Informaticae* 44 (2000) 4, pp. 1-31, IOS Press.
- J13. M. Theodorakis, A. Analyti, P. Constantopoulos and N. Spyratos, "A Theory of Context in Information Bases" *Information Systems*, Vol. 27 (3) (2002), pp. 151-191.
- J14. Yannis Tzitzikas, Nicolas Spyratos and Panos Constantopoulos, *Mediators over Taxonomy-based Information Sources*, *VLDB Journal*, 14(1), 2005, pp. 112-136.
- J15. M. Theodorakis, A. Analyti, N. Spyratos, P. Constantopoulos, "Contextualization as an Independent Abstraction Mechanism for Conceptual Modeling", *Information Systems*, Vol. 32(1), 2007, pp. 24-60.

- J16. Y. Tzitzikas, A. Analyti, N. Spyrtatos, P. Constantopoulos, "An algebra for specifying valid compound terms in faceted taxonomies", *Data and Knowledge Engineering (DKE)*, 62(1), 2007, pp. 1-40.
- J17. S. Dritsas, V. Dritsou, B. Tsoumas, P. Constantopoulos and D. Gritzalis, "OntoSPIT: SPIT management through ontologies", *Computer Communications*, Volume 32, Issue 1, 23 January 2009, pp. 203-212.
- J18. P. Constantopoulos, C. Dallas, I. Androutsopoulos, S. Angelis, A. Deligiannakis, D. Gavrilis, Y. Kotidis, & C. Papatheodorou. "DCC&U: An Extended Digital Curation Lifecycle Model". *The International Journal of Digital Curation*, 4, Issue 1, 34-45, 2009
- J19. Benardou, A., Constantopoulos, P., Dallas, C., and Gavrilis D. , "Understanding the information requirements of arts and humanities scholarship: implications for digital curation", *International Journal of Digital Curation*, 5, no. 1, 2010.
- J20. Agiatis Benardou, Panos Constantopoulos, Costis Dallas, "An approach to analyzing working practices of research communities in the humanities", *International Journal of Humanities and Arts Computing* , 7, 105-127, 2013
- J21. V. Pertsas and P. Constantopoulos, "Scholarly Ontology: modelling scholarly practices", *Intl Journal on Digital Libraries*, Vol. 18 (3), pp. 173–190, 2017.

Articles in refereed conference proceedings

- C1. S.N. Talukdar, D. Markus, P. Constantopoulos and T.E. Morton, "A Model for Load and Supply Management in Distribution Systems", *Proc. IEEE 1979 PES Summer Meeting, USA, 1979.*
- C2. G. Kontos and P. Constantopoulos, "A Model for a Triac Speed Control Loop of a 3- Phase Induction Motor Using PLL Techniques", *Proc. International Conference on Electrical Machines, Athens, Greece, 1980.*
- C3. P. Constantopoulos, M.Theodoridou, and Y. Yeorgaroudakis, "Flexible Query Formulation for Multimedia Document Retrieval", *Proc. Information Technology for Organisational Systems, Athens, Greece, 1988.*
- C4. P.Constantopoulos, G.Drettakis, E.Petra, M.Theodoridou and Y.Yeorgaroudakis, "Iterative Design of User Interfaces for an Office System Using a UIMS", *Proc. Information Technology for Organisational Systems, Athens, Greece, 1988.*
- C5. P. Constantopoulos, G.Drettakis, E.Petra, M.Theodoridou, and Y. Yeorgaroudakis, "Multimedia Office System Interface Design Using a UIMS", *Proc. IFIP WG 8.4 Working Conference "Office Information Systems: The Design Process", Linz, Austria, 1988.*
- C6. P. Constantopoulos, J.Drakopoulos, and Y.Yeorgaroudakis, *Retrieval of Multimedia Documents by Pictorial Content: A Prototype System*", *Proc. International Conference on Multimedia Information Systems, ACM SIGIR, Singapore, Jan. 1991.*
- C7. P. Constantopoulos and E. Pataki, "A Browser for Software Reuse", *Proc. 4th International Conference on Advanced Information Systems Engineering - CAiSE '92, Manchester, UK, May 1992.*
- C8. G. Spanoudakis and P. Constantopoulos, "Similarity for Analogical Software Reuse: A Conceptual Modelling Approach", *Proc. 5th International Conference on Advanced Information Systems Engineering - CAiSE '93, Paris, France, June 1993.*

- C9. P. Constantopoulos, M. Doerr and Y. Vassiliou, "Repositories for Software Reuse: The Software Information Base", Proc. IFIP WG 8.1 Conference on Information System Development Process, Como, Italy, Sept. 1993.
- C10. M. Jarke, K. Pohl, S. Jacobs, H. Nissen, J. Bubenko, P. Assenova, P. Holm, B. Wangler, C. Rolland, V. Plihon, J.-R. Schmitt, A. Sutcliffe, S. Jones, N. Maiden, D. Till, Y. Vassiliou, P. Constantopoulos and G. Spanoudakis, "Requirements Engineering: An Integrated View of Representation, Process, and Domain", Proc. 4th European Conference on Software Engineering, Garmisch-Partenkirchen, Germany, Sept. 1993.
- C11. G. Spanoudakis and P. Constantopoulos, "Similarity for Analogical Software Reuse: A Computational Model", Proc. 11th European Conference on Artificial Intelligence - ECAI '94, Amsterdam, The Netherlands, Aug. 1994.
- C12. G. Spanoudakis and P. Constantopoulos, "Measuring Similarity Between Software Artifacts", Proc. 6th International Conference on Software Engineering and Knowledge Engineering - SEKE '94, Jurmala, Latvia, June 1994.
- C13. G. Spanoudakis and P. Constantopoulos, "On Evidential Feature Saliency", Proc. 5th International Conference on Database and Expert Systems Applications - DEXA '94, Athens, Greece, Sept. 1994.
- C14. N.A.M. Maiden, P. Assenova, P. Constantopoulos, M. Jarke, P. Johannesson, H. Nissen, G. Spanoudakis and A. Sutcliffe, "Computational Mechanisms for Distributed Requirements Engineering", Proc. 7th International Conference Software Engineering and Knowledge Engineering - SEKE '95, Maryland, USA, June 1995.
- C15. P. Constantopoulos and Y. Tzitzikas, "Context-Driven Information Base Update", Proc. 8th International Conference on Advanced Information Systems Engineering, CAiSE'96, Heraklion, Crete, Greece, May 1996.
- C16. M. Theodorakis and P. Constantopoulos, "On Context-based Naming in Information Bases", in Proc. International Conference on Cooperative Information Systems CoopIS 1997, pp. 140-149.
- C17. A. Analyti, N. Spyrtos, P. Constantopoulos, "Property Covering: A Powerful Construct for Schema Derivations", in Proc. 16th International Conference on Entity- Relationship Modeling ER'97, 1997, pp. 271-284.
- C18. M. Sintichakis, P. Constantopoulos, "A Method for Monolingual Thesauri Merging" in ACM SIGIR Conference on Information Retrieval 1997, pp.129-138.
- C19. M. Theodorakis, A. Analyti, P. Constantopoulos, N. Spyrtos, "Context in Information Bases", in Proc. International Conference on Cooperative Information Systems CoopIS 1998, pp. 260-270.
- C20. A. Analyti, N. Spyrtos, P. Constantopoulos, M. Doerr, "Inheritance under Participation Constraints and Disjointness", Proc. 8th European-Japanese Conference on Information Modelling and Knowledge Bases, 1998, pp. 269-287.
- C21. Y. Velegrakis, V. Christophides, P. Constantopoulos, "Declarative Specification of Z39.50 Wrappers Using Description Logic", in Proc. European Conference on Digital Libraries ECDL'99, Paris, France, September 1999, pp. 381-402.
- C22. M. Theodorakis, A. Analyti, P. Constantopoulos and N. Spyrtos, "Contextualization as an abstraction mechanism for conceptual modeling", in Proc. 18th International Conference on Conceptual Modeling, ER'99, Paris, Nov. 1999, pp. 475-489.

- C23. M.Theodorakis, A. Analyti, P. Constantopoulos, and N. Spyrtos, "Querying Contextualized Information Bases", in Proc. 24th International Conference on Information and Communication Technologies and Programming ICTP'99, Plovdiv, Bulgaria, June 1999.
- C24. Y. Tzitzikas, N. Spyrtos, P. Constantopoulos, "Deriving Valid Expressions from Ontology Definitions", in Proc. 11th European-Japanese Conference on Information Modelling and Knowledge Bases, Maribor, Slovenia, May 29 - June 1, 2001.
- C25. Y. Tzitzikas, N. Spyrtos, P. Constantopoulos, "Mediators over Ontology-based Information Sources", in Proc. 2nd Intl. Conf. on Web Information Systems Engineering, WISE 2001, Kyoto, Japan, Dec 3-6, 2001.
- C26. Y. Tzitzikas, N. Spyrtos, P. Constantopoulos and A. Analyti, "Extended Faceted Taxonomies for Web Catalogs", 3rd Intl. Conf. on Web Information Systems Engineering, WISE 2002, Singapore, 12-14 December, 2002.
- C27. Y. Tzitzikas, N. Spyrtos, P. Constantopoulos and A. Analyti, "Extended Faceted Ontologies" (short paper), 14th Intl. Conf. on Advanced Information Systems Engineering, CAiSE-2002, Toronto, Canada, May 11-12, 2002.
- C28. Y.Tzitzikas, N. Spyrtos and P. Constantopoulos, "Query Translation for Mediators over Ontology-based Information Sources", 2nd Hellenic Conference on Artificial Intelligence, SENT-2002, Thessaloniki, Greece, April 11-12, 2002.
- C29. Y. Tzitzikas, A. Analyti, N. Spyrtos and P. Constantopoulos, "An Algebra for Specifying Compound Terms in Faceted Taxonomies", in Proc. 13th European- Japanese Conference on Information Modelling and Knowledge Bases, EJC2003, Kitakyushu, Japan, June 2003.
- C30. Y. Tzitzikas, A. Analyti, N. Spyrtos and P. Constantopoulos, "An Algebraic Approach for Specifying Compound Terms in Faceted Taxonomies", Proceedings of the 2nd Hellenic Data Management Symposium, *HDMS'2003*, Athens, Greece September, 2003.
- C31. P. Constantopoulos and V. Dritsou, Towards an integrated view of digital preservation metadata and cultural documentation, DELOS Conference 2007, Pisa.
- C32. P. Constantopoulos and C. Dallas, "Aspects of a digital curation agenda for cultural heritage", IEEE 2008 Int'l Conference on Distributed Human-Machine Systems, Athens, March 2008.
- C33. S. Angelis, P. Constantopoulos, D. Gavrilis and C. Papatheodorou, "A digital library service for the small", International Symposium in Digital Curation DigCCur2009, Chapel Hill, NC, USA, April 2009.
- C34. P. Constantopoulos, V. Dritsou, and E. Foustoucos. "Developing Query Patterns". Proc. 13th European Conference on Digital Libraries, Corfu 2009, pp. 119-124.
- C35. D. Gavrilis, C. Papatheodorou, P. Constantopoulos, S. Angelis (2010). "Mopseus - A Digital Library Management System Focused on Preservation". Proc. 14th European Conference Research and Advanced Technology for Digital Libraries, ECDL 2010, Glasgow, Scotland, UK, September 2010, LNCS 6273, pp. 445-448.
- C36. Angelis S., Benardou A., Constantopoulos P., Dallas C. & Gavrilis D. (2010). "A curation-aware repository supporting information-intensive scholarly research" (poster). Proc. 6th International Digital Curation Conference.
- C37. Benardou, Agiatis; Constantopoulos, Panos; Dallas, Costis; Gavrilis, Dimitris, "A Conceptual Model for Scholarly Research Activity", iConference, Chicago, 2010.

- C38. Dritsou, V., Constantopoulos, P., Deligiannakis, A., Kotidis, Y., “Shortcut Selection in RDF Databases”, Proc. *ICDE Workshops 2011*, Hannover, Germany, April 2011.
- C39. Dritsou, V., Constantopoulos, P., Deligiannakis, A., Kotidis, Y., “Optimizing Query Shortcuts in RDF Databases”, Proc. *8th Extended Semantic Web Conference (ESWC 2011)*, Heraklion, Greece, May 2011.
- C40. Papatheodorou C., Dallas C., Ertmann-Christiansen C., Fernie K., Gavrilis D., Masci M.E., Constantopoulos P., Angelis S., “A New Architecture and Approach to Asset Representation for Europeana Aggregation: The CARARE Way”, Special Track on Metadata & Semantics for Cultural Collections & Applications, 5th Metadata and Semantic Research Conference (MTSR 2011), Izmir, Turkey, October, 2011
- C41. Angelis S., Benardou A., Constantopoulos P., Dallas C., “Classical philology, text-based and Holocaust studies facing digital research infrastructures: from practice to requirements”, Supporting Digital Humanities: Answering the unaskable (SDH 2011), Copenhagen Denmark, November, 2011.
- C42. Gavrilis, D., Angelis, S., Papatheodorou, P., Dallas, C., Constantopoulos, P., “Preservation Aspects of a Curation-Oriented Thematic Aggregator”. Proc. 10th International Conference on Preservation of Digital Objects, iPRES2013, Lisbon, Portugal, Sept. 2013, 246-251.
- C43. Gavrilis, D., Makri, D.-N., Papachristopoulos, L., Angelis, S., Kravvaritis, K., Papatheodorou, C., Constantopoulos, P., “Measuring Quality in Metadata Repositories”, Proc. 19th International Conference on Theory and Practice of Digital Libraries, TPDL 2015, Poznań, Poland, Sept. 2015, pp. 56-67.
- C44. Gavrilis, D., Nomikos, V., Kravvaritis, K., Angelis, S., Papatheodorou, C., Constantopoulos, P., “MORE : A micro-service oriented aggregator”, Proc. 10th Intl. Conf. on Metadata and Semantics Research, MTSR 2016, Göttingen, Germany, Nov. 2016, pp. 15-26. *Best paper award*.
- C45. Pertsas, V. and P. Constantopoulos, “Ontology-Driven Information Extraction from Research Publications”, Proc. 22nd International Conference on Theory and Practice of Digital Libraries, TPDL 2018, Porto, Portugal, Sept. 2018, LNCS 11057, pp. 241–253. https://doi.org/10.1007/978-3-030-00066-0_21 .
- C46. Pertsas, V., P. Constantopoulos and I. Androutsopoulos, “Ontology-Driven Extraction of Research Processes”, Proc. 17th International Semantic Web Conference Monterey, CA, USA, Oct. 2018, ISWC 2018, LNCS 11136, pp. 162–178. https://doi.org/10.1007/978-3-030-00671-6_10 . *Spotlight paper, nominee for best student paper award*.

Edited volumes

- EB1. P. Constantopoulos, J. Mylopoulos and Y. Vassiliou (eds), *Advanced Information Systems Engineering*, Proc. CAiSE'96, Heraklion, Crete, Greece, May 1996, Springer LNCS 1080.
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