

CV GEORGIOS PAPADAKIS

Birthdate: July 2, 1984
Birthplace: Heraklion, Crete, Greece
Marital Status: married, 3 children
E-mail: gpapadis@di.uoa.gr
Homepage: <https://gpapadis.wordpress.com>

Education

August 2008 – June 2013 **PhD in Computer Science**
[Faculty of Electrical Engineering and Computer Science,](#)
[Leibniz University of Hanover](#)
Supervisors: Prof. [Wolfgang Nejdl](#), Prof. [Themis Palpanas](#)
Grade: Ausgezeichnet (excellent)
[Thesis](#)

September 2002 – October 2007 **5-year Diploma in Electrical and Computer Engineering**
[School of Electrical and Computer Engineering](#)
[National Technical University of Athens](#)
Major: [Software](#) and [Computer Systems](#), Minor: [Computer Networks](#) and
[Robotics](#)
Grade: 9.0/10 (excellent)
[Thesis](#)

Research Interests

Big Data Integration	Large Scale Entity Resolution, Blocking methods, Parallelization
Web Data Mining	Text Mining, Topic Detection, Sentiment Analysis
Web Usage Mining	Recommender Systems, Revisitation Prediction

Professional Experience

June 2017 – present A) **Internal Auditor of Information Systems**
PPC S.A. ([ΔΕΗ Α.Ε.](#))
B) **Research Fellow**
[Department of Informatics and Telecommunications](#)
[University of Athens](#)

February 2015 – May 2017 **Postdoctoral Researcher**
[Department of Informatics and Telecommunications](#)
[University of Athens](#)
Mentor: Prof. Manolis Koubarakis

November 2013 – January 2015 **Postdoctoral Researcher**
[Institute for the Management of Information Systems](#)
[Research Center “Athena”](#)
Mentor: Dr. George Papastefanatos, Dr. Theodore Dalamagas

January 2013 – October 2013 **Database Administrator**
[Greek Army IT Support Center](#)

December 2010 – July 2012 **Research and Development Associate**
[Institute of Communication and Computer Systems](#)
[National Technical University of Athens](#)
Mentor: Prof. Theodora Varvarigou

August 2008 – November 2010 **Research and Development Associate**
[L3S Research Center](#)
 Mentor: Prof. Wolfgang Nejdl

February 2008 – July 2008 **Research and Development Associate**
[Institute of Informatics and Telecommunications](#)
[National Center for Scientific Research “Demokritos”](#)
 Mentor: Researcher Georgios Paliouras

October 2007 – December 2007 **Internship**
[Technical University of Berlin](#)

Projects

January 2019 – February 2022 **[ExtremeEarth](#)**, European RIA project, Horizon 2020
Core technologies: Hopswork platform, Apache Spark, Deep Learning libraries
Tasks: technical leader of JedAI’s geospatial extension

February 2015 – May 2017 **[BigDataEurope](#)**, European CSA project, Horizon 2020
Core technologies: Apache Big Data Stack, Docker, Semantic Web, Remote Sensing
Tasks: leader of UoA team, technical leader of SC7 pilot, proposal writing
Proposals: 5 for EU projects, 2 for national projects, 2 for a Marie-Curie Scholarship
 Also involved in the following projects:
[WDAqua](#), Marie Skłodowska-Curie Innovative Training Network
[SCARE](#), Greek National Project

November 2013 – January 2015 **[LODGOV](#)** and **[EICOS](#)**, Greek National Projects
Core technologies: MapReduce, Machine Learning
Tasks: research on Big Data Integration
Proposals: 1 EU project

December 2010 – July 2012 **[SocIoS](#)**, European STReP project, 7th EU Framework
Core technologies: Web Services, Social Network Analysis, Web Data Mining
Tasks: research & development, work package leader, info-lunch organizer
Proposals: contribution to >5 EU project proposals

July 2010 – November 2010 **[LivingKnowledge](#)**, European FET project, 7th EU Framework
Core technologies: Web Data Mining
Tasks: research & development

August 2008 – June 2010 **[OKKAM](#)**, European IP project, 7th EU Framework
Core technologies: Semantic Web, Machine Learning, Data Streams
Tasks: research & development, work package manager within L3S, responsible for the bulk resolution operation

February 2008 – July 2008 **Personalized Educational System**, Greek National Project
Core technologies: information extraction, integration with PServer
Tasks: research & development

Talks

Tutorials

T6. Manolis Koubarakis, Begüm Demir, [George Papadakis](#), Konstantina Bereta, George Stamoulis, Despina-Athanasia Pantazi, Dharmen Punjani, Theofilos Ioannidis. **A Data Science Pipeline for Big Linked Earth Observation Data.** *At the 19th International Semantic Web Conference ([ISWC'20](#)), Athens, November 2-6, 2020.*

T5. [George Papadakis](#), Ekaterini Ioannou, Themis Palpanas. **Entity Resolution: Past, Present and Yet-to-Come. From Structured to Heterogeneous, to Crowd-sourced, to Deep Learned.** *At the 23rd International Conference on Extending Database Technology ([EDBT'20](#)), Copenhagen, Denmark, 30th March-2nd April, 2020.*

T4. [George Papadakis](#), Themis Palpanas. **Web-scale, Schema-Agnostic, End-to-End Entity Resolution.** *At the World Wide Web ([WWW](#)) – The Web Conference 2018, Lyon, France, April 23-27, 2018.*

T3. [George Papadakis](#), Themis Palpanas. **Blocking for Big Data Integration.** *At the 2nd International Big Data Center of Excellence (ScaDS Dresden/Leipzig): [Summer School on Big Data](#), Leipzig, Germany, July 2016.*

T2. [George Papadakis](#), Themis Palpanas. **Blocking for Large-Scale Entity Resolution: Challenges, Algorithms, and Practical Examples.** *At the 32nd IEEE International Conference on Data Engineering ([ICDE'16](#)), Helsinki, Finland, May 16-20, 2016.*

T1. [George Papadakis](#), Themis Palpanas. **Blocking Techniques for Web-Scale Entity Resolution** (invited tutorial). *At the 15th International Conference on Web Information System Engineering ([WISE'14](#)), Thessaloniki, Greece, October 12-14, 2014.*

Invited Talks

I12. **Three-Dimensional Entity Resolution (with JedAI).** *At the [Daisy - Center for Data-intensive Systems](#) of Aalborg University (Denmark), virtual event, March 28, 2022..*

I11. **Three-Dimensional Entity Resolution (with JedAI).** *At the [Liris research lab](#) of Lyon 1 University (France), virtual event, June 26, 2020.*

I10. **Schema-agnostic Progressive Entity Resolution.** *At the 17th Hellenic Data Management Symposium ([HDMS'19](#)), Athens, July 8-9, 2019.*

I9. **Schema-agnostic vs Schema-based Configurations for Blocking Methods on Homogeneous Data.** *At the 14th Hellenic Data Management Symposium ([HDMS'14](#)), Athens, July 28-29, 2016.*

I8. **Blocking and Filtering Techniques for Link Discovery.** *Keynote talk at the 7th International Workshop on Data Engineering meets the Semantic Web ([DESWeb](#)). In conjunction with the 32nd IEEE International Conference on Data Engineering (ICDE'16), Helsinki, Finland, May 16-20, 2016.*

I7. **Supervised Meta-blocking.** *At the 13th Hellenic Data Management Symposium ([HDMS'15](#)), Athens, Greece, July 30-31, 2015.*

I6. **Blocking Techniques for Web-Scale Entity Resolution.** *At the seminar series of the MADgIK group of the University of Athens, Athens, March 30, 2015. [Video](#)*

I5. **Blocking Techniques for Web-Scale Entity Resolution.** *At the seminar series (Data Stories) of the InfoLab of the University of Piraeus, Piraeus, March 10, 2015. [Video](#)*

I4. **Blocking Techniques for Web-Scale Entity Resolution.** *At the seminar series of the Institute of Informatics and Telecommunications, NCSR “Demokritos”, Athens, December 3, 2014. [Slides](#)*

I3. **Meta-Blocking: Taking Entity Resolution to the Next Level.** *At the 12th Hellenic Data Management Symposium ([HDMS'14](#)), Athens, Greece, July 24-25, 2014.*

I2. **Beyond 100 Million Entities: Large-scale Blocking-based Resolution for Heterogeneous Data.** *At the 11th Hellenic Data Management Symposium ([HDMS'12](#)), Chania, Greece, June 28-29, 2012.*

I1. Efficient Entity Resolution for Large Heterogeneous Information Spaces. *At the 10th Hellenic Data Management Symposium ([HDMS'11](#)), Athens, Greece, June 17-18, 2011.*

Awards

A6. Complimentary 1-year ACM membership in 2021, because of the two publications within the same year in ACM Computing Surveys.

A5. Marie Sklodowska-Curie Actions Seal of Excellence for the proposal ERABILD (Entity Resolution Framework for Big Linked Data).

A4. ACM Hypertext 2011 Douglas Engelbart Best Paper Award for the publication “Beyond the usual suspects: context-aware revisitation support”.

A3. Onassis Foundation Fellowship for participation in the 2008 Lectures in Computer Science devoted to “Embedded networked Systems” in Heraklion, Crete.

A2. Recipient of the Greek Ministry of Education’s award (educational trip to Madrid) for excellence in the National Examinations – 300 top students nationwide (2002).

A1. 17th place nationwide in the 16th National Student Contest in Chemistry conducted by Hellenic Chemistry Society (2001).

Community Service

Organizing committee:

1. 2nd Workshop on Large Scale RDF Analytics (LASCAR II), collocated with [ESWC'20](#)

Program committee:

- 2023: SIGMOD, EDBT, VLDB, ICDE
- 2022: ESWC, SIGMOD, VLDB, CIKM, WWW, IEEE Big Data, CODS-COMAD, AI-ML Systems
- 2021: SIGMOD, CIKM, ESWC, EDBT, AI-ML Systems, Ontology Alignment Evaluation Initiative (OAEI), Workshop on Software Foundations for Data Interoperability (SFDI)
- 2020: VLDB, CIKM, IEEE Big Data, SFDI, OAEI
- 2019: VLDB, OAEI
- 2017: VLDD

Conference reviewer (external): [DASFAA'21](#), [ICDE'20](#), [KDD'19](#), [ESWC'17](#), [VLDB'14](#)

Journal Reviewer: [IEEE TKDE](#), [VLDBJ](#), [ACM JDIQ](#), [ACM TKDD](#), [ACM TOIS](#), [ACM TWEB](#), [Information Systems](#), [DKE](#), [DAPD](#), [IPM](#), [FGCS](#), [WWWJ](#), [JASIST](#), [Data Science and Engineering](#), [Big Data Research](#), [Information Fusion](#), [IJAIT](#), [KAIS](#), [Data Mining and Knowledge Discovery](#), [Information Sciences](#), [Computer Speech & Language](#)

Reviewer distinctions:

- Distinguished PVLDB2020 Review Board Member
- Complimentary 1-year ACM membership in 2018, due to reviews for ACM TOIS, TWEB and TKDD
- Outstanding reviewer for Information Fusion
- Outstanding reviewer Data & Knowledge Engineering

Academic Experience

Lecturer:

1. Big Data Mining (6 out of 13 lectures), [MSc in Data Science](#), organized by the National Centre for Scientific Research "Demokritos" and the University of the Peloponnese, Fall 2019.
2. Machine Learning (4 out of 10 lectures), [MSc in Artificial Intelligence](#), organized by the National Centre for Scientific Research "Demokritos" and the University of Piraeus, Fall 2019.

Phd Thesis Advisor:

- Charini Nanayakkara, [Australian National University](#), December 2021 (examination committee)
- Emmanouil Thanos, [KU Leuven](#), June 2017 – January 2022
- Konstantina Bereta, [University of Athens](#), November 2017 – June 2019 ([dissertation](#))
- Vasilis Efthymiou, [University of Crete](#), July 2014 – December 2017 ([dissertation](#))
- George Alexiou, [National Technical University of Athens](#), May 2014 – February 2015
- Magdalini Kardara, [National Technical University of Athens](#), May 2011 – June 2014 ([dissertation](#))
- Fotis Aisopos, [National Technical University of Athens](#), May 2011 – July 2012 ([dissertation](#))

Master Thesis Supervisor:

- Maria Siampou, [University of Athens](#), “Parallel Supervised Progressive GIA.nt”, March 2023 – present.
- Marios Papamichalopoulos, [University of Athens](#), “JedAI-spatial: a system for 3-dimensional Geospatial Interlinking”, January – November 2021.
- Georgios Mandilaras, [University of Athens](#), “Transforming into RDF and Interlinking Big Geospatial Data”, June 2020-February 2021.
- Georgios Touros. University of the Peloponnese & NSCR “Demokritos” [MSc In Data Science](#). Evaluation of Video Soundtracks using Machine Learning. December 2020 (examination committee).
- Efi Karra, [University of Athens](#), “Representation Models for Recommendations in Social Media”, March - September 2016 ([thesis](#))

Seminars

- The 2018 Long-term Basic Training Programme on Internal Auditing, [The Institute of Internal Auditing-Greece](#), Athens, February – May, 2018 (110 Continuing Professional Education points - CPEs).
- The 2008 Lectures in Computer Science: Embedded networked Systems: Theory and Applications, [The Onassis Foundation Science Lecture Series](#), Heraklion, Crete, July 21-25, 2008.

Open-source Software Libraries

L4. Main developer and administrator of the open-source toolkit [JedAI](#) (*Java Generic Data Integration Toolkit*), which implements in Java the state-of-the-art techniques for each step of an end-to-end workflow for Entity Resolution over structured, semi-structured and unstructured data. It includes an intuitive GUI as well as benchmark data. It is described in the demo papers D1 and D3 (see below).

L3. Developer and administrator of the open-source library [TextModels](#), which offers Java implementations of advanced bag and graph representation models for Text Classification. It is described in the journal paper “Graph vs. Bag Representation Models for the Topic Classification of Web documents” (see J9 below).

L2. Developer and administrator of the open-source library [SUPRA](#), which offers Java implementations of the state-of-the-art methods for real-time next-page prediction algorithms. It includes benchmark data, as well. It is described in the journal paper “Methods for Revisitation Prediction: Survey and Experimentation” (see J6 below).

L1. Developer and administrator of the open-source library [ER Framework](#), which offers Java implementations of state-of-the-art methods for large-scale blocking-based Entity Resolution over highly heterogeneous data. It includes benchmark data, as well. It is described in my dissertation (see M2 below) and has more than 3,000 downloads.

Publications

ORCID ID: <https://orcid.org/0000-0002-7298-9431>

DBLP Profile: http://dblp.uni-trier.de/pers/hy/p/Papadakis_0001:George

Google Scholar Profile: <https://scholar.google.gr/citations?user=tSsTPxgAAAAJ&hl=el&oi=ao>

Research Gate Profile: https://www.researchgate.net/profile/George_Papadakis2

Books

B2. George Papadakis, Ekaterini Ioannou, Emanouil Thanos, Themis Palpanas. **The Four Generations of Entity Resolution**. *Synthesis Lectures on Data Management*. Morgan & Claypool Publishers, 2021. Available [here](#).

B1. Sotiris Bersimis, Georgios Bartzis, George Papadakis, Athanasios Sachlas. **Applied Statistics and Statistical Machine Learning with IBM SPSS Statistics, R and Python**. Tziolas Publications, 2021.

International Peer-Reviewed Journals

J23. George Papadakis, Georgios Mandilaras, Nikos Mamoulis, Manolis Koubarakis. **Static and Dynamic Progressive Geospatial Interlinking**. *ACM Transactions on Spatial Algorithms and Systems (TSAS)* - to appear

J22. Vassilis Molaris, Kostas Triantafyllopoulos, George Papadakis, Polychronis Economou, Sotiris Bersimis. **The Effect of COVID-19 on Minor Dry Bulk Shipping: A Bayesian Time Series and a Neural Networks Approach**. *Communications in Statistics*, October 2021.

J21. Desta Haileselassie Hagos, Theofilos Kakantousis, et. all. **ExtremeEarth Meets Satellite Data From Space**. *Journal of Selected Topics in Applied Earth Observations and Remote Sensing (JSTAR)*, Volume 14, September 2021.

J20. George Mandilaras, George Papadakis, Luca Gagliardelli, Giovanni Simonini, Emmanouil Thanos, George Giannakopoulos, Sonia Bergamaschi, Themis Palpanas, Manolis Koubarakis, Alicia Lara-Clares, Antonio Fariña. **Reproducible experiments on Three-Dimensional Entity Resolution with JedAI**. *Information Systems (IS)*, Volume 93, November 2020.

J19. Vassilis Christophides, Vasilis Efthymiou, Themis Palpanas, George Papadakis, Kostas Stefanidis (alphabetical order). **End-to-End Entity Resolution for Big Data: A Survey**. *ACM Computing Surveys*, December 2020.

J18. George Papadakis, George Mandilaras, Luca Gagliardelli, Giovanni Simonini, Emmanouil Thanos, George Giannakopoulos, Sonia Bergamaschi, Themis Palpanas, Manolis Koubarakis. **Three-Dimensional Entity Resolution with JedAI**. *Information Systems (IS)*, Volume 93, November 2020. Available [here](#).

J17. George Papadakis, Dimitrios Skoutas, Emmanouil Thanos, Themis Palpanas. **A Survey of Blocking and Filtering Techniques for Entity Resolution**. *ACM Computing Surveys*, Vol. 53, No. 2, pages 31:1--31:42, May 2020. Preprint available [here](#).

J16. George Papadakis, Leonidas Tsekouras, Emmanouil Thanos, George Giannakopoulos, Themis Palpanas, Manolis Koubarakis. **Domain- and Structure-agnostic End-to-End Entity Resolution with JedAI**. *SIGMOD Record* (to appear). Preprint available [here](#).

J15. Nikiforos Pittaras, George Giannakopoulos, George Papadakis, Vangelis Karkaletsis. **Text classification with semantically enriched word embeddings**. *Natural Language Engineering (NLE)* (Impact Factor 2018: 1.130). Available [here](#).

J14. Giovanni Simonini, George Papadakis, Themis Palpanas, Sonia Bergamaschi. **Schema-agnostic progressive entity resolution**. In *IEEE Transactions on Knowledge and Data Engineering (TKDE)*, Vol. 31, No. 6, pages 1208-1221, June 2019.

J13. Alexandros Belesiotis, George Papadakis, Dimitrios Skoutas (alphabetical order). **Analyzing and predicting spatial crime distribution using crowdsourced and open data**. In *ACM Transactions on Spatial Algorithms and Systems (TSAS)*, Vol. 3, No. 4, pages 12:1–12:31, May 2018.

- J12. Manolis Koubarakis, Konstantina Bereta, [George Papadakis](#), Dimitrianos Savva, George Stamoulis. **Big, linked geospatial data and its applications in earth observation.** In [IEEE Internet Computing](#), Vol. 65, pages 137–157, April 2017.
- J11. Vasilis Efthymiou, [George Papadakis](#), George Papastefanatos, Kostas Stefanidis, Themis Palpanas. **Parallel meta-blocking for scaling entity resolution over big heterogeneous data.** In *Information Systems (IS)*, Vol. 65, pages 137–157, April 2017.
- J10. [George Papadakis](#), George Papastefanatos, Themis Palpanas, Manolis Koubarakis. **Boosting the efficiency of large-scale entity resolution with enhanced meta-blocking.** In *Big Data Research (BDR)*, Vol. 6, pages 43–63, December 2016.
- J9. [George Papadakis](#), George Giannakopoulos, Georgios Paliouras. **Graph vs. bag representation models for the topic classification of web documents.** In *World Wide Web Journal (WWWJ)*, Vol. 15, No. 5, pages 887-920, September 2016.
- J8. [George Papadakis](#), Jonathan Svirsky, Avigdor Gal, Themis Palpanas. **Comparative analysis of approximate blocking techniques for entity resolution.** In *Proceedings of the VLDB Endowment (PVLDB)*, Vol. 9, No. 9, pages 684-695, May 2016. Presented at the 42nd International Conference on Very Large Data Bases ([VLDB'16](#)).
- J7. [George Papadakis](#), George Alexiou, George Papastefanatos, Georgia Koutrika. **Schema-agnostic vs schema-based configurations for blocking methods on homogeneous data.** In *Proceedings of the VLDB Endowment (PVLDB)*, Vol. 9, No. 4, pages 312-323, December 2015. Presented at the 42nd International Conference on Very Large Data Bases ([VLDB'16](#)).
- J6. [George Papadakis](#), Ricardo Kawase, Eelco Herder, Wolfgang Nejdl. **Methods for web revisitiation prediction: survey and experimentation.** In *User Modeling and User Adapted Interaction (UMUAI)*, Vol. 25, No. 4, pages 331-369, October 2015.
- J5. Magdalini Kardara, [George Papadakis](#), Athanasios Papaoikonomou, Konstantinos Tserpes, Theodora Varvarigou (alphabetical order). **Large-scale evaluation framework for local influence theories in Twitter.** In [Information Processing and Management](#), Vol. 51, No. 1, pages 226-252, January 2015.
- J4. [George Papadakis](#), George Papastefanatos, Georgia Koutrika. **Supervised meta-blocking.** In *Proceedings of the VLDB Endowment (PVLDB)*, Vol. 7, No. 14, pages 1929-1940, October 2014. Presented at the 41st International Conference on Very Large Data Bases ([VLDB'15](#)).
- J3. [George Papadakis](#), Georgia Koutrika, Themis Palpanas, Wolfgang Nejdl. **Meta-blocking: taking entity resolution to the next level.** In *IEEE Transactions on Knowledge and Data Engineering (TKDE)*, Vol. 26, No. 8, pages 1946-1960, August 2014.
- J2. [George Papadakis](#), Ekaterini Ioannou, Themis Palpanas, Claudia Niederée, Wolfgang Nejdl. **A blocking framework for entity resolution in highly heterogeneous information spaces.** In *IEEE Transactions on Knowledge and Data Engineering (TKDE)*, Vol. 25, No. 12, pages 2665-2682, December 2013.
- J1. Christina-Maria Kastorini, [George Papadakis](#), Haralampos J. Milionis, Kallirroi Kalantzi, Paolo Emilio Puddu, Vassilios Nikolaou, Konstantinos N. Vemmos, John A. Goudevenos, Demosthenes B. Panagiotakos. **Comparative analysis of a-priori and a-posteriori dietary patterns using state-of-the-art classification algorithms: a case/case-control study.** In [Artificial Intelligence in Medicine](#), Vol. 59, No. 3, pages 175-183, November 2013.

International Peer-Reviewed Conferences

- C34. George Papadakis, Vasilis Efthymiou, Emmanouil Thanos, Oktie Hassanzadeh. **Bipartite Graph Matching Algorithms for Entity Resolution: An Empirical Evaluation.** At the 25th International Conference on Extending Database Technology ([EDBT](#)), Edinburgh, UK, 29th March-1st April, 2022.
- C33. Manolis Koubarakis, George Stamoulis, et all. **Artificial Intelligence and Big Data technologies for Copernicus Data: The ExtremeEarth project.** At the [Big Data from Space](#), May 18-20, 2021.

- C32. Desta Haileselassie Hagos, Theofilos Kakantousis, et al. **The ExtremeEarth software architecture for Copernicus Earth Observation data.** *At the [Big Data from Space](#), May 18-20, 2021.*
- C31. [George Papadakis](#), Georgios Mandilaras, Nikos Mamoulis, Manolis Koubarakis. **Progressive, Holistic Geospatial Interlinking.** *At the 30th International Conference on World Wide Web ([WWW](#)), Ljubljana, Slovenia, April 2021.*
- C30. Konstantina Bereta, [George Papadakis](#), Manolis Koubarakis. **Ontop4theWeb: SPARQLing the Web On-the-fly.** *At the 15th IEEE International Conference on Semantic Computing ([ICSC'21](#)), January 27-29, 2021*
- C29. Nikiforos Pittaras, [George Papadakis](#), George Stamoulis, Giorgos Argyriou, Efi Karra Taniskidou, Emmanouil Thanos, George Giannakopoulos and Manolis Koubarakis. **GeoSensor: Semantifying Change and Event Detection over Big Data.** *At the 34th ACM/SIGAPP Symposium On Applied Computing ([SAC2019](#)), Limassol, Cyprus, April 8-12, 2019.*
- C28. Vasilis Efthymiou, [George Papadakis](#), Kostas Stefanidis, Vassilis Christophides. **MinoanER: Schema-Agnostic, Non-Iterative, Massively Parallel Resolution of Web Entities.** *At the 22nd International Conference on Extending Database Technology ([EDBT2019](#)), Lisbon, Portugal, March 26-29, 2019.*
- C27. Efi Karra Taniskidou, [George Papadakis](#), George Giannakopoulos, Manolis Koubarakis. **Comparative Analysis of Text-based Personalized Microblog Recommendation.** *At the 22nd International Conference on Extending Database Technology ([EDBT2019](#)), Lisbon, Portugal, March 26-29, 2019.*
- C26. Giovanni Simonini, [George Papadakis](#), Themis Palpanas, Sonia Bergamaschi. **Schema-agnostic progressive entity resolution.** *At the 34th IEEE International Conference on Data Engineering ([ICDE](#)), Paris, France, April 16 – 19, 2018.*
- C25. Vasilis Efthymiou, [George Papadakis](#), Kostas Stefanidis, Vassilis Christophides. **Simplifying entity resolution on web data with schema-agnostic, non-iterative matching.** *At the 34th IEEE International Conference on Data Engineering ([ICDE](#)), Paris, France, April 16 – 19, 2018.*
- C24. [George Papadakis](#), Konstantina Bereta, Themis Palpanas, Manolis Koubarakis. **Multi-core meta-blocking for big linked data.** *At the 13th International Conference on Semantic Systems ([SEMANTICS2017](#)), Amsterdam, The Netherlands, September 11-14, 2017.*
- C23. Sören Auer, Simon Scerri, et. all. **The BigDataEurope platform - supporting the variety dimension of big data.** *At the 17th International Conference on Web Engineering ([ICWE 2017](#)), Rome, Italy, June 5-8, 2017.*
- C22. Sergio Albani, Michele Lazzarini, Manolis Koubarakis, Efi Karra Taniskidou, [George Papadakis](#), Vangelis Karkaletsis, George Giannakopoulos. **A pilot for big data exploitation in the space and security domain.** *At the 2016 Conference on Big Data from Space ([BiDS'16](#)), Santa Cruz de Tenerife, Spain, March 15-17, 2016.*
- C21. [George Papadakis](#), George Papastefanatos, Themis Palpanas, Manolis Koubarakis. **Scaling entity resolution to large, heterogeneous data with enhanced meta-blocking.** *At the 19th International Conference on Extending Database Technology ([EDBT'16](#)), Bordeaux, France, March 15-18, 2016.*
- C20. Vasilis Efthymiou, [George Papadakis](#), George Papastefanatos, Kostas Stefanidis, Themis Palpanas. **Parallel meta-blocking: realizing scalable entity resolution over large, heterogeneous data.** *At the 2015 IEEE International Conference on Big Data ([BigData'15](#)), Santa Clara, CA, USA, October 29 – November 1, 2015.*
- C19. Konstantinos Tserpes, [George Papadakis](#), Magdalini Kardara, Athanasios Papaoikonomou, Fotis Aisopos, Emmanuel Sardis, Theodora Varvarigou. **An ontology for social networking sites interoperability.** *At the 4th International Conference on Knowledge Discovery and Information Retrieval ([KEOD'12](#)), Barcelona, Spain, October 4 – 7, 2012.*
- C18. Fotis Aisopos, [George Papadakis](#), Konstantinos Tserpes, Theodora Varvarigou (alphabetical order). **Content vs. context for sentiment analysis: a comparative analysis over microblogs.** *At the 23rd ACM International Conference on Hypertext and Hypermedia ([HT'12](#)), Milwaukee, WI, USA, June 25-28, 2012.*

- C17. George Papadakis, Ricardo Kawase, Eelco Herder. **Client- and server-side revisitation prediction with SUPRA**. At the *2nd International Conference on Web Intelligence, Mining and Semantics (WIMS'12)*, Craiova, Romania, June 6-8, 2012.
- C16. Mania Kardara, George Papadakis, Athanasios Papaoikonomou, Konstantinos Tserpes, Theodora Varvarigou (alphabetical order). **Influence patterns in topic communities of social media**. At the *2nd International Conference on Web Intelligence, Mining and Semantics (WIMS'12)*, Craiova, Romania, June 6-8, 2012.
- C15. George Giannakopoulos, Petra Mavridi, Georgios Paliouras, George Papadakis, Konstantinos Tserpes (alphabetical order). **Representation models for text classification: a comparative analysis over three web document types**. At the *2nd International Conference on Web Intelligence, Mining and Semantics (WIMS'12)*, Craiova, Romania, June 6-8, 2012.
- C14. George Papadakis, Ekaterini Ioannou, Claudia Niederée, Themis Palpanas, Wolfgang Nejdl. **Beyond 100 million entities: large-scale blocking-based resolution for heterogeneous data**. At the *5th ACM International Conference on Web Search and Web Data Mining (WSDM'12)*, Seattle, WA, USA, February 8-12, 2012.
- C13. Ricardo Kawase, George Papadakis, Fabian Abel. **Generating resource profiles by exploiting the context of social annotations**. At the *10th International Semantic Web Conference (ISWC'11)*, Bonn, Germany, October 23-27, 2011.
- C12. George Papadakis, Ricardo Kawase, Eelco Herder, Claudia Niederée. **A layered approach to revisitation prediction**. At the *11th International Conference on Web Engineering (ICWE'11)*, Paphos, Cyprus, June 20-24, 2011.
- C11. George Papadakis, Ekaterini Ioannou, Claudia Niederée, Themis Palpanas, Wolfgang Nejdl. **Eliminating the redundancy in blocking-based entity resolution methods**. At the *11th ACM/IEEE Joint International Conference on Digital Libraries (JCDL'11)*, Ottawa, ON, Canada, June 13-17, 2011.
- C10. George Papadakis, George Giannakopoulos, Claudia Niederée, Themis Palpanas, Wolfgang Nejdl. **Detecting and exploiting stability in evolving heterogeneous information spaces**. At the *11th ACM/IEEE Joint International Conference on Digital Libraries (JCDL'11)*, Ottawa, ON, Canada, June 13-17, 2011.
- C9. Ricardo Kawase, George Papadakis, Eelco Herder. **Supporting revisitation with contextual suggestion**. At the *11th ACM/IEEE Joint International Conference on Digital Libraries (JCDL'11)*, Ottawa, ON, Canada, June 13-17, 2011.
- C8. Ricardo Kawase, George Papadakis, Eelco Herder, Wolfgang Nejdl. **Beyond the usual suspects: context-aware revisitation support**. At the *22nd ACM International Conference on Hypertext and Hypermedia (HT'11)* in Eindhoven, The Netherlands, June 6-9, 2011. **Best paper award**.
- C7. George Papadakis, Ekaterini Ioannou, Claudia Niederée, Peter Fankhauser. **Efficient entity resolution for large heterogeneous information spaces**. At the *4th ACM International Conference on Web Search and Web Data Mining (WSDM'11)*, Hong Kong, China, February 9-12, 2011.
- C6. George Papadakis, Gianluca Demartini, Peter Fankhauser, Philipp Kärger. **The missing links: discovering hidden same-as links among a billion of triples**. At the *12th International Conference on Information Integration and Web-based Applications and Services (iiWAS'10)*, Paris, France, November 8-10, 2010.
- C5. Odysseas Papapetrou, George Papadakis, Ekaterini Ioannou, Dimitrios Skoutas. **Efficient term cloud generation for streaming web content**. At the *10th International Conference on Web Engineering (ICWE'10)*, Vienna, Austria, July 5-9, 2010.
- C4. Ricardo Kawase, George Papadakis, Eelco Herder, Wolfgang Nejdl. **The impact of bookmarks and annotations on refinding information**. At the *21st ACM International Conference on Hypertext and Hypermedia (HT'10)*, Toronto, Ontario, Canada, June 13-16, 2010.
- C3. Ricardo Kawase, Eelco Herder, George Papadakis, Wolfgang Nejdl. **In-context annotations for refinding and sharing**. At the *6th International Conference on Web Information Systems and Technologies (WEBIST'10)*, Valencia, Spain, April 7-10, 2010.

C2. George Papadakis, Claudia Niederée, Wolfgang Nejdl. **Decay-based ranking for social application content**. *At the 6th International Conference on Web Information Systems and Technologies ([WEBIST'10](#)), Valencia, Spain, April 7-10, 2010.*

C1. George Papadakis, Georgios Paliouras. **MyCites: An intelligent information system for maintaining citations**. *At the 5th Hellenic Conference on Artificial Intelligence ([SETN'08](#)), Syros, Greece, October 2-4, 2008.*

International Peer-Reviewed Workshops

W7. Konstantina Bereta, George Papadakis, Manolis Koubarakis. **SPARQLing-Up the Web On-the-fly Using Ontologies and Mappings**. *At the 31st International Workshop on Description Logics ([DL2018](#)), Tempe, AZ, USA, October 27-29, 2018.*

W6. Konstantinos Tserpes, George Papadakis, Magdalini Kardara, Athanasios Papaoikonomou, Fotis Aisopos, Emmanuel Sardis, Theodora Varvarigou. **SocIoS: A social media application ontology**. *At the 1st International Workshop on Socially Intelligent Computing ([SINCOM'12](#)), Rome, Italy, September 10-14, 2012.*

W5. Fotis Aisopos, George Papadakis, Theodora Varvarigou. **Sentiment analysis of social media content using n-gram graphs**. *At the 3rd International Workshop on Social Media collocated with ACM [Multimedia 2011](#), Scottsdale, AZ, USA, November 28- December 1, 2011.*

W4. George Papadakis, Ekaterini Ioannou, Claudia Niederée, Themis Palpanas, Wolfgang Nejdl. **To compare or not to compare: making entity resolution more efficient**. *At the 3rd International Workshop on Semantic Web Information Management ([SWIM'11](#)), collocated with ACM [SIGMOD 2011](#), Athens, Greece, June 12-16, 2011.*

W3. George Papadakis, Wolfgang Nejdl. **Efficient entity resolution methods for heterogeneous information spaces**. *At the PhD Workshop of the 27th IEEE International Conference on Data Engineering ([ICDE'11](#)), Hanover, Germany, April 11-16, 2011.*

W2. Ricardo Kawase, George Papadakis, Eelco Herder, **How predictable are you? a comparison of prediction algorithms for web page revisitation**. *At the Lernen, Wissen & Adaptivität ([LWA2010](#)) Workshop, Kassel, Germany, October 4-6, 2010.*

W1. Eelco Herder, Ricardo Kawase, George Papadakis. **Experiences in building the public web history repository**. *At the Workshop on Data sets for Technology Enhanced Learning ([dataTEL](#)), La Clusaz, France, March 30-31, 2011.*

Demos in International Peer-Reviewed Conferences

D4. George Papadakis, Leonidas Tsekouras, Emmanouil Thanos, Nikiforos Pittaras, Giovanni Simonini, Dimitrios Skoutas, Paul Isaris, George Giannakopoulos, Themis Palpanas and Manolis Koubarakis. **JedAI³ : beyond batch, blocking-based Entity Resolution**. *At the 23rd International Conference on Extending Database Technology ([EDBT'20](#)), Copenhagen, Denmark, 30th March-2nd April, 2020.*

D3. George Papadakis, Leonidas Tsekouras, Emmanouil Thanos, George Giannakopoulos, Themis Palpanas, Manolis Koubarakis. **The return of JedAI: end-to-end entity resolution for structured and semi-structured data**. *At the 44th International Conference on Very Large Data Bases ([VLDB'18](#)), Rio de Janeiro, Brazil, August 27 - 31, 2018.*

D2. Giorgos Argyriou, George Papadakis, George Stamoulis, Efi Karra Taniskidou, Nikiforos Pittaras, George Giannakopoulos, Sergio Albani, Michele Lazzarini, Emanuele Angiuli, Anca Popescu, Argyros Argyridis, Manolis Koubarakis. **GeoSensor: on-line, scalable change and event detection over big data**. *At the World Wide Web ([WWW](#)) – The Web Conference 2018, Lyon, France, April 23-27, 2018.*

D1. George Papadakis, Leonidas Tsekouras, Emmanouil Thanos, George Giannakopoulos, Themis Palpanas, Manolis Koubarakis. **JedAI: the force behind entity resolution**. *At the 14th Extended Semantic Web Conference ([ESWC17](#)), Portoroz, Slovenia, May 28 - June 1, 2017.*

Posters in International Peer-Reviewed Conferences

P1. [George Papadakis](#), Konstantinos Tserpes, Emmanuel Sardis, Magdalini Kardara, Athanasios Papaoikonomou, Fotis Aisopos. **Social media meta-API: leveraging the content of social networks**. *At the 21st World Wide Web Conference ([WWW'12](#)), Lyon, France, April 16-20, 2012.*

P2. Fotis Aisopos, [George Papadakis](#), Konstantinos Tserpes, Theodora Varvarigou. **Textual and contextual patterns for sentiment analysis over microblogs**. *At the 21st World Wide Web Conference ([WWW'12](#)), Lyon, France, April 16-20, 2012.*

Monographs

M2. PhD Thesis, June 2013. [Faculty of Electrical Engineering and Computer Science, Leibniz University of Hanover](#). **Blocking techniques for efficient entity resolution over large, highly heterogeneous information spaces**. Supervisors: Prof. [Wolfgang Nejdl](#), Prof. [Themis Palpanas](#). [PDF](#)

M1. Diploma Thesis, October 2007. [School of Electrical and Computer Engineering, National Technical University of Athens](#). **An intelligent information system that maintains citation networks from the web**. Supervisors: Researcher [Georgios Paliouras](#), Prof. [Timos Sellis](#). [PDF](#) (in Greek)