

## Vana Kalogeraki

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### EDUCATION

Ph.D. in Electrical and Computer Engineering, December 2000, University of California, Santa Barbara, Santa Barbara, CA. Ph.D Thesis Title: “Resource Management for Real-Time Fault-Tolerant Distributed Systems”. Advisors: Prof. Michael Melliar-Smith and Prof. Louise Moser.

M.S. in Computer Science, September 1996, University of Crete, Greece.

B.S. in Computer Science, September 1994, University of Crete, Greece.

### RESEARCH INTERESTS

- Distributed Systems, Big Data Systems, Stream Processing Systems, Resource Management, Real-Time, Fault Tolerance, Mobility, Crowdsourcing, Privacy

### SHORT BIO

Vana Kalogeraki is a Professor and a Director of the Computer Systems and Communications Laboratory at Athens University of Economics and Business. Previously she has held positions as an Associate and Assistant Professor at the Department of Computer Science at the University of California, Riverside and as a Research Scientist at Hewlett-Packard Labs in Palo Alto, CA. She received her PhD from the University of California, Santa Barbara. Prof. Vana Kalogeraki has been working in the field of distributed and real-time systems, big data systems, stream processing systems, participatory sensing systems, peer-to-peer systems, crowdsourcing, mobility, resource management and fault-tolerance for over 20 years and has authored and co-authored over 200 papers in journals and conferences proceedings, including co-authoring the OMG CORBA Dynamic Scheduling Standard.

Prof. Kalogeraki was invited to give keynote talks at PerFoT2018, MoVid2015, DNCMS 2012, SN2AE 2012, PETRA 2011, DBISP2P 2006 and MLSN 2006 in the areas of IoT, participatory sensing systems and sensor network middleware and delivered tutorials and seminars on peer-to-peer computing. She has served as the General co-Chair of SEUS 2009, the General co-Chair of WPDRTS 2006 and as a Program co-Chair of Middleware 2019, MDM 2017, DEBS 2016, MDM 2011, ISORC 2009, ISORC 2007, ICPS 2005, WPDRTS 2005 and DBISP2P 2003, a Tutorial Chair for IEEE ICDE 2020, ACM DEBS 2015, a Workshops Chair for IEEE SRDS 2015, a Demo Chair for IEEE MDM 2012, in addition to other roles such as Area Chair (IEEE ICDCS 2016, 2012) and as program committee member on over 200 conferences.

She was also awarded a Marie Curie Fellowship, three best paper awards at the 11th ACM International Conference on Distributed Event-Based Systems (DEBS 2017), 24th IEEE International Parallel and Distributed Processing Symposium (IPDPS 2009) and the 9th IEEE Annual International Symposium on Applications and the Internet (SAINT 2008), a best technical paper award at ACM PETRA 2018, a Best Student Paper Award at the 11th IEEE/IPSJ International Symposium on Applications and the Internet (SAINT 2011), an IBM best student paper award runner up at MDM 2014, a UC Regents Fellowship Award, UC Academic Senate Research Awards and a research award from HP Labs. She has also received an Award for Excellence in Teaching for the academic year 2018-2019 from the Department of Computer Science, Athens University of Eco-

nomics and Business. Her research has been supported by an ERC Starting Independent Researcher Grant, the European Union, joint EU/Greek "Aristeia" grant, a joint EU/Greek "Thalis" grant, NSF and gifts from SUN and Nokia.

## HONORS, AWARDS

1. Award for Excellence in Teaching for the 2018-2019 Academic Year, Department of Computer Science, Athens University of Economics and Business.
2. ERC Starting Independent Researcher Grant (Consolidator), 2013 – 2019.
3. Best Technical Paper award, “A Framework for Programming a Swarm of UAVs”, Dimitris Dedousis, Vana Kalogeraki, Proceedings of the 11<sup>th</sup> ACM PETRA Conference, Corfu, Greece, June 2018.
4. Invited Keynote Talk, “Real-Time Reliable Internet of Things”, PerFoT 2018, Athens, Greece, March 2018.
5. Best paper award, Maximizing Determinism in Stream Processing Under Latency Constraints”, Nikos Zacheilas, Vana Kalogeraki, Yiannis Nikolakopoulos, Vincenzo Gulisano, Marina Papatriantafillou, Philippas Tsigas, DEBS 2017: 112-123, Barcelona, Spain, 18-23 June 2017.
6. Best student paper award, “Complete Coverage Path Planning for arbitrary number of Unmanned Aerial Vehicles”, D. Dedousis, V. Kalogeraki, 9<sup>th</sup> International Conference on Pervasive Technologies Related to Assistive Environments (PETRA 2016), Corfu Island, Greece, June-July 2016.
7. IBM best student paper award runner-up, “Using Location-based Social Networks for Time-Constrained Information Dissemination”, Ioulia Litou, Ioannis Boutsis, Vana Kalogeraki, *MDM 2014*, Brisbane, Australia, July 2014.
8. Invited Keynote Talk, “Real-Time Reliable Crowdsourcing Techniques for the Mobile Urban Crowd”, MoVid 2015, Portland, OR, March 2015.
9. Invited Keynote Talk, “Reliable Real-time Human-Centered Mobile Systems”, Workshop on Dependable Network Computing and Mobile Systems (DNCMS2012), Irvine, CA, Oct 2012.
10. Invited Keynote Talk, “Reliable Real-Time Human-Centered Sensor Middleware”, Workshop on Social Networks and Sensor Networks in Assistive Environments (SN2AE 2012), Crete, Greece, June 2012.
11. Best student paper award, The 2011 IEEE/IPSJ International Symposium on Applications and the Internet (SAINT 2011), Munich, Germany, July 2011.
12. Invited Keynote Talk, 4<sup>th</sup> International Conference on Pervasive Technologies Related to Assistive Environments (PETRA 2011), Crete, Greece, May 2011.
13. Our work on “Misco: A MapReduce Framework for Mobile Systems” has been featured at various sources (MIT Technology Review, ReadWriteWeb, HighScalability as a prominent technology for developing clouds of smartphones).
14. Best paper award, 23<sup>rd</sup> IEEE International Parallel and Distributed Processing Symposium (IPDPS 2009), Rome, Italy, May 2009 (out of 440 papers submitted).
15. Best paper award, The 2008 International Symposium on Applications and the Internet (SAINT 2008), Turku, Finland, July 2008.
16. Invited Keynote Talk, “Middleware for Reliable Real-Time Sensor Data Management”, Fourth International Workshop on Databases, Information Systems and Peer-to-Peer Computing (DBISP2P 2006), Seoul, Korea, September 2006.
17. Invited Keynote Talk, “Reliable Real-time Sensor Networks”, Workshop on Mobile Location-Aware Sensor Networks, Nara, Japan, May 2006.
18. UC Academic Senate Research Funds, 2008, 2007, 2006, 2005, 2003.
19. UC Regents’ Fellowship Award, 2008, 2003.
20. Hewlett-Packard Research Award, 2002.

## PUBLICATIONS

### Journals

1. "A General Framework for First Story Detection Utilizing Entities and their Relations", N. Panagiotou, C. Akkay, K. Tsioutsoulouklis, V. Kalogeraki, D. Gunopulos, *IEEE Journal of Transactions of Knowledge and Data Engineering (TKDE)*, accepted.
2. "A Holistic Energy-Efficient Real-Time Scheduler for Mixed Stream and Batch Processing Workloads", Stathis Maroulis, Nikos Zacheilas, Vana Kalogeraki, *IEEE Transactions on Parallel and Distributed Systems (IEEE TPDS)*, vol. 30 (2019).
3. "A Pareto-based scheduler for exploring cost-performance trade-offs for MapReduce workloads", Nikos Zacheilas, Vana Kalogeraki, *EURASIP Journal of Embedded Systems 2017: 29* (2017).
4. "Efficient and timely misinformation blocking under varying cost constraints", Iouliana Litou, Vana Kalogeraki, Ioannis Katakis, Dimitrios Gunopulos, In *Online Social Networks and Media, Volume 2*, August 2017, Pages 19-31, ISSN 2468-6964.
5. "Efficient techniques for time-constrained information dissemination using location-based social networks", Iouliana Litou, Ioannis Boutsis, Vana Kalogeraki, *Information Systems journal, Elsevier, vol. 64*, pages 321-349, March 2017.
6. "Real-time data dissemination in Mobile Peer-to-Peer Networks", Fotis Loukos, Helen Karatza, Vana Kalogeraki, *Journal of Systems and Software, Elsevier, vol. 90*, pages 179-190 (2014).
7. "Supporting Historic Queries in Sensor Networks with Flash Storage", Adam Dou, Song Lin, Vana Kalogeraki, Dimitrios Gunopulos, *Information Systems Journal, Elsevier, vol. 39*, pages 217-232, January 2014.
8. "Traffic Management in Sensor Networks with a Mobile Sink", Kyriakos Karenos, Vana Kalogeraki, *IEEE Transactions on Parallel and Distributed Systems (IEEE TPDS)*, vol. 21, no.10 (2010).
9. "QoS-Aware Shared Component Composition for Distributed Stream Processing Systems, Thomas Repantis, Xiaohui Gu and Vana Kalogeraki, *IEEE Transactions on Parallel and Distributed Systems (IEEE TPDS)*, vol. 20, no. 7 (2009).
10. "Cluster-based Congestion Control for Sensor Networks", Kyriakos Karenos, Vana Kalogeraki, Srikanth Krishnamurthy, *ACM Transaction on Sensor Networks (TOSN)*, vol. 4, issue 1, 2008.
11. "Finding the K Highest-Ranked Answers in a Distributed Network", Demetrios Zeinalipour-Yazti, Zografoula Vagena, Dimitrios Gunopulos, Vana Kalogeraki, Vassilis Tsostras, Michail Vlachos, Nick Koudas, Divesh Srivastava, *Computer Networks (COMNET)*, Elsevier, Vol. 53, Issue 9, June 2009, pages 1431-1449.
12. "Adaptive Component Composition and Load Balancing for Distributed Stream Processing Applications", Thomas Repantis, Yannis Drougas, Vana Kalogeraki, *Peer-to-Peer Networking and Applications, Springer, Vol. 2, No. 1*, March 2009, pages 60-74.
13. "Resource Management Using Multiple Feedback Loops in Soft Real-Time Distributed Systems", Vana Kalogeraki, Michael Melliar-Smith, Louise E. Moser, Yannis Drougas, *Journal of Systems and Software, Elsevier, Vol. 81, No. 7*, 2008.
14. "Improving Business Process Models by Discovering Decision Points", Sharmila Subramania, Vana Kalogeraki, Dimitrios Gunopulos, Fabio Casati, Umeshwar Dayal, Mehmet Sayal, Malu Castellanos, *Information Systems Journal, Elsevier, Volume 32, Issue 7*, pp. 1037-1055 (2007).

15. "pFusion: A P2P Architecture for Internet-Scale Content-Based Search and Retrieval", D. Zeinalipour-Yazti, V. Kalogeraki, D. Gunopulos, *IEEE Transactions on Parallel and Distributed Systems (TPDS)*, Volume 18, Issue 6, pp. 804-817 (June 2007).
16. "Efficient Approximate Query Processing in Peer-to-Peer Networks", Benjamin Arai, Gautam Das, Dimitrios Gunopulos, Vana Kalogeraki, *IEEE Transactions on Knowledge and Data Engineering (TKDE)*, Volume 17, Issue 7, pp. 919-933 (2007).
17. "Distributed Middleware Architectures for Scalable Media Services", V. Kalogeraki, D. Zeinalipour-Yazti, D. Gunopulos, A. Delis, *Elsevier Journal of Network and Computer Architectures*, Volume 30, Issue 1, pp. 209-243 (January 2007).
18. "Efficient Indexing Data Structures for Flash-Based Sensor Devices", S. Lin, D. Zeinalipour-Yazti, V. Kalogeraki, D. Gunopulos, W. Najjar, *ACM Transactions on Storage (ACM TOS)*, Volume 2, Number 4, pp. 468-503 (2006).
19. "Efficient Information Compression in Sensor Networks", S. Lin, V. Kalogeraki, D. Gunopulos, S. Lonardi, *International Journal of Sensor Networks, special issue on Wireless Ad Hoc and Sensor Networks*, Vol. 1, No. 3 /4, pp. 229-240 (2006).
20. "Structuring Topologically-Aware Overlay Networks using Domain Names", D. Zeinalipour-Yazti, V. Kalogeraki, *Computer Networks Journal*, Elsevier, Volume 50, Issue 16, pp. 3064-3082 (2006).
21. "Resilient and Energy Efficient Tracking in Sensor Networks", M. Halkidi, D. Papadopoulos, V. Kalogeraki, D. Gunopulos, *International Journal of Wireless and Mobile Computing*, Volume 1, Number 2, pp. 87-100 (2006).
22. "Exploiting Locality for Scalable Information Retrieval in Peer-to-Peer Networks", D. Zeinalipour-Yazti, V. Kalogeraki, D. Gunopulos, *Information Systems Journal*, Elsevier, Volume 30, No 4, pp. 277-298 (2005).
23. "Information Retrieval in Peer-to-Peer Networks", D. Zeinalipour-Yazti, V. Kalogeraki, D. Gunopulos, accepted in *IEEE Computing in Science and Engineering (IEEE CISE) Journal, special issue on Web Engineering*, July/August 2004, pp. 12-20.
24. "Managing Distributed Objects in Peer-to-Peer Systems", V. Kalogeraki, F. Chen, *IEEE Network, special issue on Middleware Technologies for future Communication Networks*, vol. 18, no. 1, January/February 2004 (editors Douglas C. Schmidt, Gordon Blair, Andrew T. Campbell) pp. 20-30.
25. "Distributed Deviation Detection in Sensor Networks", T. Palpanas, D. Papadopoulos, V. Kalogeraki and D. Gunopulos, *SIGMOD Record, special issue (peer reviewed) on Sensor Network Technology Infrastructure, Security, Data processing, and Deployment* (editor Vijay Kumar), vol. 32, no. 4, December 2003 (editor Vijay Kumar), pp. 77-82.
26. "Self-organizing Unstructured Peer-to-Peer Systems: Opportunities and Challenges", F. Chen and V. Kalogeraki, *IEEE Distributed Systems Online Magazine, special issue on Peer-to-Peer* (editor M. Khambatti), December 2003 (electronic journal).

## Book Chapters

1. "Location Privacy-Preserving Applications and Services", Ioannis Boutsis, Vana Kalogeraki, *Handbook of Mobile Data Privacy*, Springer 2018, pages 373-398.
2. "Using MapReduce Framework for Mobile Applications", Adam Dou, Vana Kalogeraki, Dimitrios Gunopulos, Taneli Mielikainen and Ville H. Tuulos, *Multimedia Services and Streaming for Mobile Devices, Challenges and Innovations*, IGI Global.
3. "Data Dissemination and Query Routing in Mobile Peer-to-Peer Networks", Thomas Repantis, Vana Kalogeraki, *Mobile Peer-to-Peer Computing for Next Generation Distributed Environments: Advancing Conceptual and Algorithmic Applications*, IGI Global Publishing, pp. 26-49, May 2009.

4. “Reliable Real –Time Data Collection”, V. Kalogeraki, A. Soheili, *Encyclopedia of Geographic Information Systems*, Springer, editors Shashi Shekhar and Hui Xiong, pp. 204-209, 2008.
5. “Knowledge Aquisition and Data Storage in Mobile GeoSensor Networks”, Peggy Agouris, Dimitrios Gunopulos, Vana Kalogeraki, Anthony Stefanidis. “Advances in Geosensor Networks”, S. Nittel, A. Labrinidis, A. Stefanidis (editors), LNCS, Springer-Verlag, 2008.
6. “Managing Real-Time Distributed Multimedia Applications”, V. Kalogeraki, P. M. Melliar-Smith and L. E. Moser, *Multimedia Networking: Technology, Management and Applications*, Idea Group Publishing, editor Syed Mahbubur Rahman (December 2001).

## Refereed Conference Publications

1. “Multi-Objective Online Task Allocation in Spatial Crowdsourcing Systems”, E. Mitsopoulou, I. Litou, V. Kalogeraki, 40<sup>th</sup> IEEE ICDCS 2020, Singapore, Dec 2020.
2. “Fed-DIC: Diagonally Interleaved Coding in a Federated Cloud Environment”, G. Tzouros, V. Kalogeraki, DAIS 2020, Valetta, Malta, June 2020.
3. “ESCAPE: Elastic Caching for Big Data Systems”, Thanasis Priovolos, Stathis Maroulis, Vana Kalogeraki, SRDS 2019, Lyon, France, Oct 2019.
4. “A Framework for Managing an Elastic Redis Cache”, Thanasis Priovolos, Stathis Maroulis, Vana Kalogeraki, SRDS 2019, Lyon, France, Oct 2019 (demo).
5. “Fast, Efficient Performance Predictions for Big Data Applications”, Stathis Maroulis, Nikos Zacheilas, Vana Kalogeraki, IEEE ISORC 2019, Valencia, Spain, May 2019, pages 126-133.
6. “Attendance Maximization for Successful Social Event Planning”, Nikos Bikakis, Vana Kalogeraki, Dimitrios Gunopulos, EDBT 2019, Lisbon, Portugal, March 2019.
7. Influence Maximization in Evolving Multi-Campaign Environments”, Iouliana Litou, Vana Kalogeraki, IEEE BigData 2018, Seattle, WA, USA, Dec 2018.
8. “Scalable Distributed Top-k Join Queries in Topic-Based Pub/Sub Systems”, Nikos Zacheilas, Dimitris Dedousis, Vana Kalogeraki, IEEE BigData 2018, Seattle, WA, USA, Dec 2018.
9. “ORiON: Online ResOurce Negotiator for Multiple Big Data Analytics Frameworks”, N. Zacheilas, N. Chalvantzis, I. Konstantinou, V. Kalogeraki, N. Koziris, 15<sup>th</sup> IEEE ICAC 2018, Trento, Italy, Sept 2018, pages 11-20.
10. “On the Fly Load Balancing to Address Hot Topics in Topic-Based Pub/Sub Systems”, Dimitris Dedousis, Nikos Zacheilas, Vana Kalogeraki, 38<sup>th</sup> IEEE ICDCS 2018, Vienna, Austria, July 2018, pages 76-86.
11. “Probabilistic Management of Late Arrival of Events”, N. Rivetti, N. Zacheilas, A. Gal, V. Kalogeraki, 12<sup>th</sup> ACM DEBS 2018, Hamilton, New Zealand, June 2018, pages 52-63.
12. “Crowd-based Ecofriendly trip planning”, D. Tomaras, V. Kalogeraki, T. Liebig, D. Gunopulos, 19<sup>th</sup> IEEE MDM 2018, Aalborg, Denmark, June 2018, pages 24-33.
13. “A Cost-aware Incentive Mechanism in Mobile Crowdsourcing Systems”, E. Mitsopoulou, V. Kalogeraki, 19<sup>th</sup> IEEE MDM 2018, Aalborg, Denmark, June 2018, pages 239-244.
14. “A Framework for Programming a Swarm of UAVs”, Dimitris Dedousis, Vana Kalogeraki, Proceedings of the 11<sup>th</sup> ACM PETRA Conference, Corfu, Greece, June 2018 (**Best technical paper award**).
15. “Evaluating the Health State of Urban Areas Using Multi-source Heterogeneous Data”, D. Tomaras, V. Kalogeraki, N. Zygouras, N. Panagiotou, D. Gunopulos, 19<sup>th</sup> WoWMoM 2018, Chania, Greece, June 2018, pages 14-22 (invited).

16. "Dione: A Framework for Automatic Profiling and Tuning Big Data Applications", N. Zacheilas, S. Maroulis, T. Priovolos, V. Kalogeraki, D. Gunopulos, 34<sup>th</sup> IEEE ICDE 2018, Paris, France, April 2018, pages 1637-1640 (demo).
17. "Social Event Scheduling", N. Bikakis, V. Kalogeraki, D. Gunopulos, 34<sup>th</sup> IEEE ICDE 2018, Paris, France, April 2018, pages 1272-1275 (poster).
18. "Modeling and Predicting Bike Demand in Large City Situations", Dimitrios Tomaras, Ioannis Boutsis, Vana Kalogeraki, PerCom 2018, March 2018, Athens, Greece, pages 1-10.
19. "Efficient Scheduling of Multiple Data Transfers in Mobile Applications", Vana Kalogeraki, Giannis Tzouros, IQ2S 2018 (located with PerCom 2018), March 2018, Athens, Greece, pages 342-347.
20. "ParkForU: A Dynamic Parking-Matching and Price-Regulator Crowdsourcing Algorithm for Mobile Applications", Ellen Mitsopoulou, Vana Kalogeraki, CASPer 2018 (located with PerCom 2018), March 2018, Athens, Greece, pages 603-608.
21. "Dione: Profiling spark applications exploiting graph similarity", Nikos Zacheilas, Stathis Maroulis, Vana Kalogeraki, BigData 2017, Boston, MA, USA, Dec 2017, pages 389-394.
22. "Revealing the Hidden Links in Content Networks: An Application to Event Discovery", Antonia Saravanou, Ioannis Katakis, George Valkanas, Vana Kalogeraki, Dimitrios Gunopulos, CIKM 2017, pp. 2283-2286, Singapore, Nov 2017.
23. "Maximizing Determinism in Stream Processing Under Latency Constraints", Nikos Zacheilas, Vana Kalogeraki, Yiannis Nikolakopoulos, Vincenzo Gulisano, Marina Papatriantafillou, Philippas Tsigas, DEBS 2017: 112-123, Barcelona, Spain, 18-23 June 2017 (**Best paper award**)
24. "REMI: Reusable Elements for Multi-Level Information Availability", Avi Gal, Nicolo Rivetti, Arik Senderovich, Dimitrios Gunopulos, Ioannis Katakis, Nikolaos Panagiotou, Vana Kalogeraki, DEBS 2017: 112-123, Barcelona, Spain, 18-23 June 2017 (Demo).
25. "An efficient technique for event location identification using multiple sources of urban data", D. Tomaras, V. Kalogeraki, N. Zygouras, D. Gunopulos, LocalRec@SIGSPATIAL 2017, pages 5-10, Redondo Beach, CA, USA, Oct 2017.
26. "DISCO: Dynamic Data COmpression in Distributed Stream Processing Systems", Nikos Zacheilas, Vana Kalogeraki, DAIS 2017: 19-33, Neuchatel, Switzerland, June 2017.
27. "ExpRES: EneRgy Efficient Scheduling of Mixed Stream and Batch Processing Workloads", Stathis Maroulis, Nikos Zacheilas, Vana Kalogeraki, ICAC 2017: 27-32, Columbus, Ohio, USA, 17-21 July 2017.
28. "Pythia: A System for Online Topic Discovery of Social Media Posts", Ioulia Litou, Vana Kalogeraki, ICDCS 2017: 911-921, Atlanta, GA, USA, 5-8 June 2017.
29. "A Framework for Efficient Energy Scheduling of Spark Workloads", Stathis Maroulis, Nikos Zacheilas, Vana Kalogeraki, ICDCS 2017: 911-921, Atlanta, GA, USA, 5-8 June 2017.
30. "Influence Maximization in a Many Cascades World", Ioulia Litou, Vana Kalogeraki, Dimitrios Gunopulos, ICDCS 2017: 911-921, Atlanta, GA, USA, 5-8 June 2017.
31. "Lessons Learnt from the analysis of a bike sharing system", Dimitrios Tomaras, Ioannis Boutsis, Vana Kalogeraki, PETRA 2017: 261-264, Rhodes, Greece, June 2017.
32. "Mining hidden constrained streams in practice: Informed search in dynamic filter spaces", Nikolaos Panagiotou, Ioannis Katakis, Dimitrios Gunopulos, Vana Kalogeraki, Elizabeth Daly, Jia Yuan Yum Brendan O'Brien, ASONAM 2016: 571-578, San Francisco, CA, Aug 2016.
33. "A Fast and Efficient Entity Resolution Approach for Preserving Privacy in Mobile Data", Ioannis Boutsis, Vana Kalogeraki, BigData Congress 2016: 173-180, San Francisco, CA, June 27-July 2, 2016.

34. "Context-aware point of interest recommendation using tensor factorization", Stathis Maroulis, Ioannis Boutsis, Vana Kalogeraki, *BigData 2016*: 963-968, Washington, DC, USA, Dec 5-8, 2016.
35. "First Story Detection using Entities and Relations", Nikolaos Panagiotou, Cen Akkaya, Kostas Tsioutsoulis, Vana Kalogeraki, Dimitrios Gunopulos, *COLING 2016*: 3237-3244, Osaka, Japan, Dec 11-16, 2016.
36. "LOCAL: a personalized cache mechanism for location-based social networks", Dimitrios Tomaras, Ioannis Boutsis, Vana Kalogeraki, Dimitrios Gunopulos, *SIGSPATIAL/GIS 2016*: 78:1-78:4, Burlingame, CA, Oct 31-Nov 3, 2016.
37. "Location privacy for crowdsourcing applications", Ioannis Boutsis, Vana Kalogeraki, *UbiComp 2016*: 694-705, Heidelberg, Germany, Sept 12-16, 2016.
38. "CrowdAlert: a mobile app for event reporting and user alerting in real-time", Ioannis Boutsis, Vana Kalogeraki, *UbiComp 2016*: 694-705, Heidelberg, Germany, Sept 12-16, 2016.
39. "On Topic Aware Recommendation to Increase Popularity in Microblogging Services", Ioulia Litou, Vana Kalogeraki, Dimitrios Gunopulos, *OTM Conferences 2016*: 673-681, Rhodes, Greece, 25-26 Oct, 2016.
40. "ChES: Cost-Effective Scheduling across Multiple Heterogeneous MapReduce Clusters", N. Zacheilas, V. Kalogeraki, The 13th IEEE International Conference on Automatic Computing (ICAC 2016), Wurzburg, Germany, July 2016.
41. "Dynamic Load Balancing Techniques for Distributed Complex Event Processing Systems", N. Zacheilas, N. Zygouras, N. Panagiotou, V. Kalogeraki, D. Gunopulos, 11th International Federated Conference on Distributed Computing Techniques (DAIS 2016), Heraklion, Greece, June 2016.
42. "Real-Time and Cost-Effective Limitation of Misinformation Propagation", Ioulia Litou, Vana Kalogeraki, Ioannis Katakis, Dimitrios Gunopulos, *MDM 2016*, Porto, Portugal, June 2016.
43. "Using Human Social Sensors for Robust Event Location Detection", I. Boutsis, V. Kalogeraki, 2016 IEEE International Conference on Distributed Computing in Sensor Networks (DCOSS 2016), Washington DC, May 2016.
44. "Pareto-based Scheduling of MapReduce Workloads", N. Zacheilas, V. Kalogeraki, 19<sup>th</sup> IEEE International Symposium on Real-Time Computing (IEEE ISORC 2016), York, UK, May 2016.
45. "Reliable Crowdsourced Event Detection in Smart Cities", I. Boutsis, V. Kalogeraki, D. Gunopulos, Cyber Physical Systems (CPS) Week, 1<sup>st</sup> International Workshop on Science of Smart City Operations and Platforms Engineering, Vienna, Austria, April 2016.
46. "ICU: A tool for Intent Filtering on Android devices", E. Bakopoulou, P. Thanopoulos, I. Boutsis, V. Kalogeraki, 9<sup>th</sup> International Conference on Pervasive Technologies Related to Assistive Environments (PETRA 2016), Corfuc Island, Greece, June-July 2016.
47. "Complete Coverage Path Planning for arbitrary number of Unmanned Aerial Vehicles", D. Dedousis, V. Kalogeraki, 9<sup>th</sup> International Conference on Pervasive Technologies Related to Assistive Environments (PETRA 2016), Corfuc Island, Greece, June-July 2016 (**Best student paper award**).
48. "Elastic complex event processing exploiting prediction", Nikos Zacheilas, Vana Kalogeraki, Nikolaos Zygouras, Nikolaos Panagiotou, Dimitrios Gunopulos, *BigData 2015*: 231-222, Santa Clara, CA, Oct-Nov 2015.
49. "Insights on a Scalable and Dynamic Traffic Management System", Nikolaos Zygouras, Nikos Zacheilas, Vana Kalogeraki, Dermot Kinane, Dimitrios Gunopulos, *EDBT 2015*: 653-664, Brussels, Belgium, March 2015.
50. "A Framework for Cost-Effective Scheduling of MapReduce Applications", Nikos Zacheilas, Vana Kalogeraki, *ICAC 2015*: 147-148, Grenoble, France, July 2015.

51. "Towards Detection of Faulty Traffic Sensors in Real-Time", Nikolaos Zygouras, Nikolaos Panagiotou, Nikos Zacheilas, Ioannis Boutsis, Vana Kalogeraki, Ioannis Katakis, Dimitrios Gunopulos, *MUD 2015*: 53-62, Lille, France, July 2015.
52. "Evaluating Distance Measures for Trajectories in the Mobile Setting", Nikolaos Larios, Christos Mitatakis, Vana Kalogeraki, Dimitrios Gunopulos, *MUD 2015*: 97-105, Lille, France, July 2015.
53. "Personalized Event Recommendations using Social Networks", Ioannis Boutsis, Stavroula Karanikolaou, Vana Kalogeraki, *MDM 2015*: 84-93, Pittsburgh, PA, June 2015.
54. "A Model for Identifying Misinformation in Online Social Networks", Sotirios Antoniadis, Iouliana Litou, Vana Kalogeraki, *ODBASE 2015*:473-482, Rhodes Island, Greece, Oct 2015.
55. "Dynamic reduce task adjustment for Hadoop workloads", Vaggelis Antypas, Nikos Zacheilas, Vana Kalogeraki, *PCI 2015*: 203-208, Athens, Greece, Oct 2015 (**nominated for best paper award**).
56. "Travel time estimation in real-time using buses as speed probes", Dimitrios Tomaras, Ioannis Boutsis, Vana Kalogeraki, *IQ2S 2015*: 63-68, St. Louis, Missouri, USA, March 2015.
57. "Understanding Event Attendance through analysis of human crowd behavior in social networks", Stavroula Karanikolaou, Ioannis Boutsis, Vana Kalogeraki, *DEBS 2014*: 322-325, Mumbai, India.
58. "On task assignment for real-time reliable crowdsourcing", Ioannis Boutsis, Vana Kalogeraki, *The 34<sup>th</sup> International Conference on Distributed Computing Systems (ICDCS 2014)*, Madrid, Spain, June-July 2014.
59. "Using Location-based Social Networks for Time-Constrained Information Dissemination", Iouliana Litou, Ioannis Boutsis, Vana Kalogeraki, *MDM 2014*, Brisbane, Australia, July 2014 (**IBM best student paper award runner-up**).
60. "Real-Time Scheduling of Skewed MapReduce Jobs in Heterogeneous Environments", Nikos Zacheilas, Vana Kalogeraki, *ICAC 2014*, Philadelphia, USA, June 2014.
61. "Towards Real-Time Emergency Response using Crowdsourcing", Ioannis Boutsis, Dimitrios Tomaras, Vana Kalogeraki, *Distributed Sensor Systems for Assistive Environments (Di-Sensa 2014)*, Rhodes, Greece, May 2014.
62. "Defining a Mobile Architecture for Structural Health Monitoring", P. Sakkos, D. Kotsakos, V. Kalogeraki, D. Gunopulos, J. Hollmen, *Distributed Sensor Systems for Assistive Environments (Di-Sensa 2014)*, Rhodes, Greece, May 2014.
63. "Heterogeneous Stream Processing and Crowdsourcing for Urban Traffic Management", Alexander Artikis, Matthias Weidlich, Francois Schnitzler, Ioannis Boutsis, Thomas Liebig, Nico Piatkowski, Christian Bockermann, Katharina Morik, Vana Kalogeraki, Jakub Marecek, Avigdor Gal, Shie Mannor, Dimitrios Gunopulos and Dermot Kinane *EDBT/ICDT 2014 Joint Conference*, Athens, Greece, March 24-28, 2014.
64. "Efficient Dissemination of Emergency Information using a Social Network", Iouliana Litou, Ioannis Boutsis and Vana Kalogeraki, *Mining Urban Data (MUD 2014)*, Athens, Greece, March 24-28, 2014.
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2. Vana Kalogeraki, Robbert Van Renesse, PC Chairs, 2019 ACM/IFIP International Middleware Conference (Middleware), Davis, USA, Dec 2019.
3. Vana Kalogeraki, Amy Murphy, Ph.D. Forum co-Chairs, The 16<sup>th</sup> IEEE International Conference on Pervasive Computing (PerCom), Athens, Greece, March 2018.
4. Walid Aref, Vana Kalogeraki, Seungwoo Kang, Program Committee co-Chairs, The 18<sup>th</sup> IEEE International Conference on Mobile Data Management (MDM 2017), KAIST, Daejeon, South Korea, June 2017.
5. Vana Kalogeraki, Hai Jin, Grid, Cloud, Internet and Middleware Computing and Communication The 26<sup>th</sup> International Conference on Computer Communications and Networking Track co-Chairs, ICCCN 2017, Vancouver, Canada, July 31-Aug 3, 2017.
6. Vana Kalogeraki, Chair of Crowdsourcing and Social Networks Track, International Conference on Distributed Computing Systems (ICDCS 2016), Nara, Japan, June 2016.
7. Vana Kalogeraki, Nalini Venkatasubramanian, Program Committee co-Chairs, "The 10<sup>th</sup> ACM International Conference on Distributed and Event-Based Systems (DEBS 2016)", Irvine, CA, June 2016.
8. Vana Kalogeraki, Nalini Venkatasubramanian, Tutorial co-Chairs, "The 9<sup>th</sup> ACM International Conference on Distributed and Event-Based Systems (DEBS 2015)", Oslo, Norway, June 2015.
9. Gennady Andienko, Dimitrios Gunopulos, Vana Kalogeraki, Ioannis Katakis, Pedro Jose Marron, Katharina Morik, Olivier Verscheure, Mining Urban Data Workshop (MUD 2014), March 2014, Athens, Greece (together with EDBT/ICDT 2014).
10. Vana Kalogeraki, Matti Hiltunen, Chairs of Fault Tolerance and Dependability Track, International Conference on Distributed Computing Systems (ICDCS 2012), Kanazawa, Japan.
11. Vana Kalogeraki, Geeta Manjunath, Demo Chairs, "13<sup>th</sup> International Conference on Mobile Data Management (MDM 2012), Bengaluru, India, July 2012.
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7. Vana Kalogeraki, PC Chair, “IEEE International Conference on Pervasive Services (ICPS)”, Santorini, Greece, July 2005.
8. Vana Kalogeraki, Lisa DiPippo, PC Chairs, “13<sup>th</sup> International Workshop on Parallel and Distributed Real-Time Systems”, Denver, Colorado, April 2005.
9. Karl Aberer, Manolis Koubarakis, Vana Kalogeraki, PC Chairs, “Databases, Information Systems and Peer-to-Peer Computing”, Berlin, Germany, September 2003, Springer Verlag.
10. Vana Kalogeraki, Turgay Korkmaz, Kamil Sarac, PC Chairs, “The 19th ACM Symposium on Applied Computing, Special Track on Computer Networks”, Nicosia, Cyprus, March 2004.
11. Vana Kalogeraki, Student Research Paper Session Organizer, “International Workshop on Parallel and Distributed Real-Time Systems (WPDRTS)”, co-located with the 2004 International Parallel and Distributed Processing Symposium (IPDPS), Santa Fe, New Mexico, April 2004.
12. Raj Dasgupta, Vana Kalogeraki, Session Chairs, Special Technical Session on “Agent Enabled Peer-to-Peer Computing” at the Third International Conference on Intelligent System Design and Applications Conference, Tulsa, Oklahoma, August 2003.

### Journal Editorials

1. Gennady L. Andrienko, Dimitrios Gunopulos, Yannis E. Ioannidis, Vana Kalogeraki, Ioannis Katakis, Katharina Morik, Olivier Verscheure, Information Systems journal, special issue on “Mining Urban Data”.
2. A. Artikis, A. Gal, V. Kalogeraki, M. Weidlich, Special Issue on Event Recognition, ACM Transactions on Internet Technology (2014).
2. Dipanjan Chakraborty, Vana Kalogeraki, Mohamed F. Mokbel: Guest editorial: special issue on mobile data management. Distributed and Parallel Databases 31(2): 111-113 (2013).

### Industrial standards

1. “Real-Time CORBA 2.0: Dynamic Scheduling Final Submission,” OMG Technical Committee Document orbos/2001-06-09, Object Management Group, June 2001.
2. “Dynamic Scheduling Real-Time CORBA Joint Revised Submission,” OMG Technical Committee Document orbos/2000-08-12, Object Management Group, August 2000.

### Technical Reports

1. “Peer-to-Peer Computing”, D. Milojevic, V. Kalogeraki, R. Lukose, K. Nagaraja, J. Pruyne, B. Richard, S. Rollins and Z. Xu, *HP Technical Report, HPL-2002-57*.
2. “Speculative Routing and Update Propagation: A Kundali Centric Approach,” A. Mohan and V. Kalogeraki, *HP Technical Report, HPL-2002-237*.



3. "The Client Utility as a Peer-to-Peer System", A. Karp and V. Kalogeraki, *HP Technical Report, HPL-2002-78*.
4. "Finding Good Peers in the Peer-to-Peer Networks," M. K. Ramanathan, V. Kalogeraki and J. Pruyne, *HP Technical Report, HPL-2001-271*.
5. "A Peer-to-Peer Architecture for Delivering E-Services," V. Kalogeraki, J. Pruyne and A. van Moorsel, *HP Technical Report, HPL-2001-181*.
6. "Decentralized Resource Management for Real-Time Object-Oriented Dependable Systems," V. Kalogeraki, *HP Technical Report, HPL-2001-93*.

## Patents

1. "Method and apparatus for representing data available in a peer-to-peer network using bloom-filters", Aditya Mohan, Vana Kalogeraki and Aad van Moorsel, US Patent Application number: 10/699359.
2. "Interest-based Connections in Peer-to-Peer Networks", Murali K. Ramanathan, Vana Kalogeraki and Jim Pruyne, US Patent Number 7174382.
3. "Search network for searching services on the internet", Vana Kalogeraki and Jim Pruyne, US Patent Number 7243091.
4. "Distributed Information Retrieval in Peer-to-Peer Networks", Vana Kalogeraki and Dimitrios Gunopulos, US Patent Number 7743044.

## Tutorials

1. "Peer-to-Peer Technologies", ACM/IFIP/USENIX International Middleware Conference, Rio de Janeiro, Brazil, June 2003.
2. "An Introduction to Peer-to-Peer Technologies", International Symposium on Distributed Objects and Applications, Irvine, CA, October 2002.

## RESEARCH FUNDING

1. "NGHCS: Creating the Next-Generation Mobile Human-Centered Systems"  
Agency: FP7 "Ideas" European Research Council (ERC Starting/Consolidator Grant)  
Principal Investigator: Dr. V. Kalogeraki

Duration: 3/2013-2/2019

Amount: 960,000.00 (euro).

Advances in sensor networking and the availability of every day, low-cost sensor enabled devices has led to integrating sensors to instrument the physical world in a variety of economically vital sectors of transportation, healthcare, and critical infrastructures. In combination with the proliferation of smartphones and other mobile devices, we are now entering an era where people actively participate in sensing, instrumenting and analyzing aspects of their lives online, creating virtual communities, and becoming producers of personal data. People and systems are becoming increasingly integrated and this development is effectively leading us to large-scale mobile human-centered systems. Building such complex systems is the focus of this proposal. More specifically, our goal is to develop a comprehensive framework to simplify the development of mobile human-centered systems, as well as make them predictable and reliable.

2. “VaVeL: Variety, Veracity, Value: Handling the Multiplicity of Urban Sensors”  
Agency: Horizon 2020  
Principal Investigator: Dr. D. Gunopulos, co-PI: Dr. V. Kalogeraki  
Duration: 01/12/2015 – 30/11/2018  
Amount: 4,000,000.00 (euro)  
This project will develop a general purpose framework for managing and mining multiple heterogeneous urban data streams for cities in order to become more efficient, productive and resilient. The framework will be able to solve major issues that arise with urban transportation related data and are currently not dealt by existing stream management technologies. The project brings together two European cities that provide diverse large-scale data of cross-country origin and real application needs, three major European companies in this space, and a strong group of researchers that have uniquely strong expertise in analyzing real-life urban data.
3. “INSIGHT: Intelligent Synthesis and Real-Time Response using Massive Streaming of Heterogeneous Data”  
Agency: FP7  
Principal Investigator: Dr. D. Gunopulos, co-PI: Dr. V. Kalogeraki  
Duration: 9/2012 – 8/2015  
Amount: 3,926,203.00 (euro)  
The goal of INSIGHT is to achieve a significant improvement in the utility of automated systems to manage resources and put new capabilities in the hands of disaster planners and city personnel when responding to emergencies in smart cities and countries.
4. “INCEPTION: Incentives driven Participatory Sensing”  
Agency: European Union (European Social Fund ESF) and Greek national funds through the Operational Program “Education and Lifelong Learning” of the National Strategic Reference Framework (NSRF) - Research Funding Program: Aristeia  
Principal Investigator: Dr. G. Stamoulis, co-PI: Dr. V. Kalogeraki  
Duration: 11/2012 – 10/2014  
Amount: 200,000.00 (euro)  
The goal of the INCEPTION project is to develop a novel system that promotes incentive compatibility in sensor information exchange between users and applications. Applications should be incentive-aware and provide users with the appropriate rewards (e.g. enhanced performance) when their data collection behavior is useful to others, thus increasing the economic efficiency by optimizing the total information available in the system.
5. “MMD: Mining Mobility Data”  
Agency: European Union (European Social Fund ESF) and Greek national funds through the Operational Program “Education and Lifelong Learning” of the National Strategic Reference Framework (NSRF) - Research Funding Program: Aristeia  
Principal Investigator: Dr. D. Gunopulos, co-PI: Dr. V. Kalogeraki  
Duration: 11/2012 – 10/2014  
Amount: 192,000.00 (euro)  
In this project we develop a mobility data similarity search framework, called MMD, to allow us to model the spatiotemporal content of mobility data, enable the user to specify objects or mobility patterns of interest, and support the automated sifting through datasets to identify activities similar to the ones specified by the user.

6. “DISFER: Distributed Sensor Systems for Emergency Response“  
Agency: Thalys, Hellenic Republic Ministry of Education, Lifelong Learning and Religious Affairs  
Principal Investigator: Dr. V. Kalogeraki  
Duration: 2/2012 to 1/2015  
Amount: 561,600.00 (euro)  
The goal of the project is to develop an adaptive and scalable infrastructure and appropriate techniques which will allow the monitoring, processing and analyzing of heterogeneous data (text, audio, visual data) and will provide efficient and reliable real-time dissemination of data, with the purposes of effectively dealing with emergencies that arise from seismic phenomena.
7. “RTD: Real-Time Delivery for Sensor Networks in Unpredictable Environments”  
Agency: Marie Curie (International Reintegration Grant)  
Principal Investigator: Dr. V. Kalogeraki  
Duration: 9/2008 to 8/2012  
Amount: 100,000.00 (euro)
8. “Developing Real-Time and Reliable Event-based Critical Systems”  
Agency: Οικονομικό Πανεπιστήμιο Αθηνών (ΠΕΒΕ 2)  
Principal Investigator: Dr. V. Kalogeraki  
Duration: 03/2011 to 2/2012  
Amount: 5,000 (euro)
9. “Managing Bursts in Distributed Stream Processing Systems”  
Agency: Athens University of Economics and Business (PEVE 2)  
Principal Investigator: Dr. V. Kalogeraki  
Duration: 01/2010 to 12/2010  
Amount: 8,750 (euro)
10. “NeTS-NOSS: Providing Flash Memory Support for Sensor Network Architectures”  
Agency: *National Science Foundation (NSF)*  
Principal Investigator: Dr. V. Kalogeraki  
Duration: 09/01/06 to 08/30/09  
Amount: \$250,000.00
11. “*An Adaptive and Scalable Architecture for Dynamic Sensor Networks*”  
Agency: *National Science Foundation (NSF)*  
Principal Investigator: Dr. V. Kalogeraki  
Duration: 9/2003 to 8/2007.  
Amount: \$600,000.00 (3 out of 45 proposals were funded)
12. “CRI: Imaging and non-imaging sensor laboratory for urban disaster management”  
Agency: *National Science Foundation (NSF)*  
Principal Investigator: Dr. Ertem Tuncel, Co-PI: Dr. Vana Kalogeraki  
Duration: 03/01/06 to 02/28/09  
Amount: \$162,601.00
13. “*Proposal for Support of the 2<sup>nd</sup> Annual International Conference on Pervasive Services*”  
Agency: *National Science Foundation (NSF)*

Principal Investigator: Dr. Salim Hariri , Co-PI: Dr. Vana Kalogeraki  
Duration: 08/15/05 to 07/30/06  
Amount: \$10,000

14. SUN, Gift, \$25,000
15. Nokia, Gift equipment, (30 Nokia mobile phones)
16. UC Academic Senate Research Funds (2006), \$1,378.00
17. UC Academic Senate Research Funds (2005), \$1,619.00
18. UC Academic Senate Research Funds (2003), \$1,600.00
19. UC Regents' Fellowship Award (2003), \$2,100.00
20. UC Leadership Excellence through Advanced Degrees (UC LEADS) Program, \$700

## **KEYNOTE TALKS**

1. Invited Keynote Talk, "Real-Time Reliable Internet of Things", PerFoT 2018, Athens, Greece, March 2018.
2. Invited Keynote Talk, "Real-Time Reliable Crowdsourcing Techniques for the Mobile Urban Crowd", MoVid 2015, Portland, OR, March 2015.
3. Invited Keynote Talk, "Reliable Real-time Human-Centered Mobile Systems", Workshop on Dependable Network Computing and Mobile Systems (DNCMS2012), Irvine, CA, Oct 2012.
4. Invited Keynote Talk, "Reliable Real-Time Human-Centered Sensor Middleware", Workshop on Social Networks and Sensor Networks in Assistive Environments (SN2AE 2012), Crete, Greece, June 2012.
5. Invited Keynote Talk, 4<sup>th</sup> International Conference on Pervasive Technologies Related to Assistive Environments (PETRA 2011), Crete, Greece, May 2011.
6. Invited Keynote Talk, "Middleware for Reliable Real-Time Sensor Data Management", Fourth International Workshop on Databases, Information Systems and Peer-to-Peer Computing (DBISP2P 2006), Seoul, Korea, September 2006.
7. Invited Keynote Talk, "Reliable Real-time Sensor Networks", Workshop on Mobile Location-Aware Sensor Networks, Nara, Japan, May 2006.

## **INVITED TALKS**

1. "Real-Time Reliable Crowdsourcing Techniques for the Mobile Urban Crowd", Stockholm University, Stockholm, Sweden, April 2016.
2. "Real-Time Reliable Crowdsourcing for Mobile Crowds", University of California, Irvine, April 2015
3. "Real-Time Reliable Crowdsourcing for Mobile Crowds", HP Labs, January 2014
4. "Scheduling for Real-Time Mobile MapReduce Systems", Google, August 2011
5. "Managing Real-Time Fault-Tolerant Distributed Systems"
  - IBM Research, November 2005.
  - University of Toronto, Canada, Department of Computer Science, October 2005.
  - Unisys, Mission Viejo, California, January 2004.
  - Unisys, Mission Viejo, California, March 2003.
  - University of Crete, July 2002.
  - University of Athens, July 2002.

- University of California, Santa Cruz, Department of Computer Science, June 2002.
  - University of California, Riverside, Department of Computer Science and Engineering, March 2002.
  - Polytechnic University, Department of Computer and Information Science, February 2002.
6. “Decentralized Resource Management for Scalable, Dependable Systems,” Hewlett-Packard Labs, Content Distribution Department, June 2001.
  7. “Resource Management for Real-Time Fault-Tolerant Distributed Systems”
    - Hewlett-Packard Labs, Distributed Computing Department, August 2000.
    - AT&T Research Labs, Dependable Distributed Computing Research Department, September 2000.
    - Telcordia Technologies, August 2000.
    - BBN, Distributed Systems Department, September 2000.
    - HRL Laboratories, Network Analysis & Systems Department, September 2000.

## **PROFESSIONAL SERVICE**

### **Editorial Services**

1. Editorial Board Member, Pervasive and Mobile Computing, Elsevier (2018 – 2020).
2. Editorial Board Member, IEEE Transactions on Mobile Computing, TMC (2012-2018).
3. Editorial Board Member, Computer Standards & Interfaces Journal, Elsevier (2006-today).
4. Information Systems journal, special issue on “Mining Urban Data”, Editors: Gennady L. Andrienko, Dimitrios Gunopulos, Yannis E. Ioannidis, Vana Kalogeraki, Ioannis Katakis, Katharina Morik, Olivier Verscheure.
5. ACM Transactions on Internet Technology, special issue on “Event Recognition Challenges and Techniques”, Editors: Alexander Artikis, Avidgor Gal, Vana Kalogeraki, Matthias Weidlich.
6. Peer-to-Peer Networking and Applications, Springer-Verlag (2008-today).
7. Editorial Board Member, Ad Hoc Networks Journal, Elsevier (2005-2009).
8. Associate Editor, ACM SIGMOD Digital Symposium Collection (DiSC).

### **Steering Committee Chair**

1. Steering Committee (2019 – present), “ACM/IFIP Middleware 2020”.
2. Steering Committee (2017 – present), “ACM International Conference on Distributed and Event-Based Systems (DEBS)”.
3. Steering Committee (June 2006-present), “15<sup>th</sup> International Workshop on Parallel and Distributed Real-Time Systems (WPDRTS)”, co-located with IPDPS.
4. Steering Committee (2006), “IEEE 3<sup>rd</sup> International Conference on Pervasive Services”, June 2006, Lyon, France.

### **General Chair**

1. “Mining Urban Data Workshop (MUD 2014)”, March 2014, Athens, Greece (together with EDBT/ICDT 2014), Organizer (with Gennady Andienko, Dimitrios Gunopulos, Ioannis Katakis, Pedro Jose Marron, Katharina Morik, Olivier Verscheure).
2. “The Seventh IFIP Workshop on Software Technologies for Future Embedded and Ubiquitous Systems”, General co-Chair, Newport Beach, CA, Nov 2009.
3. “14<sup>th</sup> International Workshop on Parallel and Distributed Real-Time Systems (WPDRTS)”, General co-Chair, co-located with IPDPS 2006, Rhodes Island, Greece, April 2006.

### **Program Committee Chair**

1. Program Committee co-Chair, “2019 ACM/IFIP International Middleware Conference (Middleware)”, Davis, USA, Dec 2019.
2. Program Committee co-Chair, “The 18<sup>th</sup> IEEE International Conference on Mobile Data Management (MDM 2017)”, KAIST, Daejeon, South Korea, June 2017.
3. Track co-Chair, “Grid, Cloud, Internet and Middleware Computing and Communication The 26<sup>th</sup> International Conference on Computer Communications and Networking, (ICCCN 2017)”, Vancouver, Canada, July 31-Aug 3, 2017.
4. Program Committee co-Chair, “The 10<sup>th</sup> ACM International Conference on Distributed and Event-Based Systems (DEBS 2016)”, Irvine, CA, June 2016.
5. Track Chair, Crowdsourcing and Social Networks Track, the 36<sup>th</sup> IEEE International Conference on Distributed Computing Systems (ICDCS 2016), Nara, Japan, June 2016.
6. Program Committee co-Chair, “Mining Urban Data (MUD 2014)”, Athens, Greece, March 2014.
7. Program Committee co-Chair, “12 International Conference on Mobile Data Management (MDM 2011)”, Lulea, Sweden, June 2011.
8. Program Committee co-Chair, “12<sup>th</sup> IEEE International Symposium on Object/ component/service-oriented Real-time distributed Computing (ISORC 2009)”, Tokyo, Japan, March 2009.
9. Program Committee co-Chair, “10<sup>th</sup> IEEE International Symposium on Object/ component/service-oriented Real-time distributed Computing (ISORC)”, Santorini Island, Greece, May 2007.
10. Program Committee Chair, “IEEE 2<sup>nd</sup> International Conference on Pervasive Services (ICPS)”, Santorini, Greece, July 2005.
11. Program Committee co-Chair, “13<sup>th</sup> International Workshop on Parallel and Distributed Real-Time Systems (WPDRTS)”, co-located with IPDPS 2005, Denver, Colorado, April 2005.
12. Workshop Program co-Chair, “Databases, Information Systems and Peer-to-Peer Computing”, at VLDB2003, Berlin, Germany, September 2003.

### **Other Committee Work**

1. Vana Kalogeraki, Amy Murphy, Ph.D. Forum co-Chairs, The 16<sup>th</sup> IEEE International Conference on Pervasive Computing (PerCom), Athens, Greece, March 2018.
2. Tutorial co-Chairs, Vana Kalogeraki, Nalini Venkatasubramanian, “The 9<sup>th</sup> ACM International Conference on Distributed and Event-Based Systems (DEBS 2015)”, Oslo, Norway, June 2015.

3. Poster and Demo Chair, “8<sup>th</sup> ACM International Conference on Distributed Event-based Systems (DEBS 2014), Mumbai, India, May 2014.

### **Member of Program Committees**

1. The 38<sup>th</sup> ACM International Conference on Distributed Computing Systems (ICDCS 2019), Dallas, USA, July 2019.
2. IEEE Cloud 2019, Milan, Italy, July 2019.
3. The 16<sup>th</sup> IEEE International Conference on Autonomic Computing (ICAC 2019), Umea, Sweden, June 2019.
4. 19<sup>th</sup> International Conference on Distributed Applications and Interoperable Systems (DAIS 2019), June 2019.
5. The 49<sup>th</sup> IEEE/IFIP International Conference on Dependable Systems and Networks (DSN 2019), Portland, Oregon, June 2019.
6. 22<sup>nd</sup> IEEE International Symposium on Object/component/service-oriented Real-time distributed Computing (ISORC 2019), Valencia, Spain, May 2019.
7. The Web Conference (WWW 2019), San Francisco, CA, May 2019.
8. International Conference on Distributed Computing in Sensor Systems (DCOSS 2019), Santorini Island, Greece, May 2019.
9. The 17<sup>th</sup> IEEE International Conference on Pervasive Computing and Communications (PerCom 2019), Nara, Japan, March 2019.
10. IEEE International Conference on Big Data (BigData 2018), Seattle, WA, Dec 2018.
11. The 37<sup>th</sup> ACM International Conference on Distributed Computing Systems (ICDCS 2018), Vienna, Austria, July 2018.
12. The 19<sup>th</sup> IEEE International Conference on Mobile Data Management (MDM 2018), Aalborg, Denmark, June 2018.
13. 21<sup>st</sup> IEEE International Symposium on Object/component/service-oriented Real-time distributed Computing (ISORC 2018), Singapore, May 2018.
14. The 34<sup>th</sup> IEEE International Conference on Data Engineering (ICDE 2018), Paris, France, April 2018.
15. The 16<sup>th</sup> IEEE International Conference on Pervasive Computing and Communications (PerCom 2018), Athens, Greece, March 2018.
16. International Workshop on Pervasive Flow of Things, collocated with PerCom 2018, Athens, Greece, March 2018.
17. International Workshop on Big Data Visual Exploration and Analytics, Vienna, Austria, March 2018.
18. IEEE International Conference on Big Data (BigData 2017), Boston, MA, Dec 2017.
19. ACM SIGSPATIAL Workshop on Recommendations for Location-based Services and Social Networks, Redondo Beach, CA, USA, Nov 2017.
20. Panhellenic Conference on Informatics (PCI 2017), Larisa, Greece, Sept 2017.
21. 19<sup>th</sup> International Conference on Big Data Analytics and Knowledge Discovery (DaWaK 2017), Lyon, France, Aug 2017.
22. The 37<sup>th</sup> ACM International Conference on Distributed Computing Systems (ICDCS 2017), Atlanta, USA, June 2017.
23. IEEE BigData Congress on Big Data 2017, Honolulu, Hawaii, June 2017.
24. IEEE International Conference on Big Data (BigData 2016), Washington DC, Dec 2016.
25. The 17<sup>th</sup> IEEE International Conference on Mobile Data Management (MDM 2016), Porto, Portugal, June 2016.
26. The 22<sup>nd</sup> ACM SIGKDD Conference on Knowledge Discovery and Data Mining, San Francisco, CA, August 2016.

27. The 2015 IEEE International Conference on Big Data (BigData 2015), Santa Clara, CA, Oct-Nov 2015.
28. The 12<sup>th</sup> USENIX International Conference on Autonomic Computing (ICAC 2015), Grenoble, France, June 2015.
29. The 35<sup>th</sup> ACM International Conference on Distributed Computing Systems (ICDCS 2015), Columbus, Ohio, USA, Jun-Jul 2015.
30. The 16<sup>th</sup> IEEE International Conference on Mobile Data Management (MDM 2015), Pittsburgh, PA, June 2015
31. The 15<sup>th</sup> IEEE International Conference on Mobile Data Management (MDM 2014), Brisbane, Australia, July 2014.
32. The 11<sup>th</sup> USENIX International Conference on Autonomic Computing (ICAC 2014), Philadelphia, USA, June 2014.
33. The 34<sup>th</sup> ACM International Conference on Distributed Computing Systems (ICDCS 2014), Madrid, Spain, Jun-Jul 2014.
4. The 8<sup>th</sup> ACM International Conference on Distributed Event-based Systems (DEBS 2014), Mumbai, India, May 2014.
5. The 2014 IEEE International Conference on Big Data (BigData 2014), Washington, DC, Oct 2014.
6. ACM/IFIP/USENIX International Middleware Conference 2013, Beijing, China, December 2013.
7. The 7<sup>th</sup> ACM International Conference on Distributed Event-based Systems (DEBS 2013), Arlington, Texas, USA, June 2013.
8. 14<sup>th</sup> IEEE International Conference on Mobile Data Management (MDM 2013), Milano, Italy, June 2013.
9. ACM/IEEE International Symposium on Quality of Service (IWQoS 2013), Montreal, Canada, June 2013.
10. The 43<sup>th</sup> Annual IEEE/IFIP International Conference on Dependable Systems and Networks (DSN 2013), Budapest, June 2013.
11. 2<sup>nd</sup> International Workshop on Advances in Peer-to-Peer Technology (IWAP2PT-2013), Mysore, India, August 2013.
12. IEEE International Conference on Pervasive Computing and Communications (PerCom 2013), San Diego, CA, March 2013.
13. 16<sup>th</sup> International Conference on Extending Database Technology (EDBT 2013), Industrial and Application Track, Genoa, Italy, March 2013.
14. The 42<sup>nd</sup> Annual IEEE/IFIP International Conference on Dependable Systems and Networks (DSN 2012), Boston, USA, June 2012.
15. 13<sup>th</sup> International Conference on Mobile Data Management (MDM 2012), Bengaluru, India July 2012.
16. The 6<sup>th</sup> ACM International Conference on Distributed Event-Based Systems (DEBS 2012), Berlin, Germany, July 2012.
17. 26<sup>th</sup> IEEE International Parallel and Distributed Processing Symposium, Shanghai, China, May 2012.
18. 38<sup>th</sup> Int. Conference on Very Large Databases (VLDB 2012), Istanbul, Turkey, Aug 2012.
19. Network Architecture & P2P Protocols (NAPP) Symposium, ICNC 2012, Maui, Hawaii, Feb 2012.
20. Sixth IEEE Int. Workshop on Practical Issues in Building Sensor Network Applications (IEEE SENSEAPP 2011), Bonn, Germany, Oct 2011.
21. 2<sup>nd</sup> International Workshop on GeoStreaming (IWGS), Chicago, Illinois, Nov 2011.
22. The 17<sup>th</sup> IEEE Int. Conference on Embedded and Real-Time Computing Systems and Applications (RTCSA 2011), Toyama, Japan, Aug 2011.



23. IEEE International Conference on Autonomic Computing (ICAC 2011), Karlsruhe, Germany, June 2011.
24. Tenth Int. ACM Workshop on Data Engineering for Wireless and Mobile Access (MoBiDE 2011), Athens, Greece, June 2011.
25. 2011 International Parallel and Distributed Processing Symposium (IPDPS 2011), Alaska, May 2011.
26. The 17<sup>th</sup> IEEE Real-Time and Embedded Technology and Applications Symposium (RTAS 2011), Chicago, IL, April 2011.
27. 9<sup>th</sup> Annual IEEE International Conference on Pervasive Computing and Communications (PerCom 2011), Seattle, USA, March 2011.
28. CCNC'2011 Content Distribution and Peer-to-Peer Networks, Las Vegas, Nevada, January 2011.
29. 16<sup>th</sup> IEEE International Conference on Embedded and Real-Time Computing Systems and Applications (RTCSA 2010), August 2010.
30. 13<sup>th</sup> IEEE International Symposium on Object/component/service-oriented Real-time distributed Computing (ISORC 2010), Parador de Carmona, Spain, May 2010.
31. The 9<sup>th</sup> International Conference on Ontologies, DataBases, and Applications of Semantics (ODBASE 2010), Crete, Greece, Oct 2010.
32. The 4<sup>th</sup> International Conference on Distributed Event-Based Systems (DEBS 2010), Cambridge, UK, July 2010.
33. The 30<sup>th</sup> International Conference on Distributed Computing Systems (ICDCS 2010), Genoa, Italy, June 2010.
34. The 30<sup>th</sup> IEEE Real-Time Systems Symposium (RTSS 2009), Washington DC, Dec 2009.
35. IEEE/IFIP International Conference on Dependable Systems and Networks (DSN 2009), Lisbon, Portugal, June 2009
36. ICC'09 Wireless Networking, Dresden, Germany, June 2009.
37. The 29<sup>th</sup> IEEE Real-Time Systems Symposium (RTSS 2008), Barcelona, Spain, Dec 2008.
38. Int. Conference on High Performance Computing (HiPC), Bangalore, India, Dec 2008.
39. The 4th International Conference on Collaborative Computing: Networking, Applications and Worksharing (CollaborateCom 2008), Orlando, FL, November 2008.
40. The Third International Conference on Systems and Networks Communications (ICSNC 2008), Sliema, Malta, Oct 2008.
41. 5th IEEE International Conference on Mobile Ad Hoc and Sensor Systems (MASS 2008), Atlanta, Georgia, Sept-Oct 2008.
42. Third IEEE International Workshop on Practical Issues in Building Sensor Network Applications (SenseApp 2008), Montreal, Canada, October 2008.
43. The 2008 Symposium on Applications and the Internet (SAINT 2008), Turku, Finland, July-Aug 2008.
44. The First International Workshop on Real-Time Service-Oriented Architecture and Applications (RTSOAA 2008), Turku, Finland, July-Aug 2008.
45. 2nd International Conference on Distributed Event-Based Systems (DEBS 2008), Rome, Italy, CA, July 2008.
46. The 28<sup>th</sup> International Conference on Distributed Computing Systems (ICDCS 2008), Beijing, China, June 2008.
47. IEEE International Symposium on a World of Wireless, Mobile and Multimedia Networks 2008 (WoWMoM 08), Newport Beach, CA, June 2008.
48. Second International Conference on Scalable Information Systems (INFOSCALE 2008), Vico Equense, Italy, June 2008.

49. 7th ACM International Workshop on Data Engineering for Wireless and Mobile Access (MobiDE'08), Vancouver, British Columbia, Canada, June 2008.
50. IFIP Networking 2008, Singapore, May 2008.
51. International Workshop on the Role of Services, Ontologies, and Context in Mobile Environments (RoSOC-M '08), in conjunction with MDM'08, Beijing, China, April 2008.
52. NetDB'08: Networking Meets Databases, Cancun, Mexico, April 2008.
53. The 28th IEEE Real-Time Systems Symposium (RTSS 2007), Sensor Networks and Applications Track Tucson, Arizona, December 2007.
54. 11th International Conference On Principles Of Distributed Systems (OPODIS 2007), Guadeloupe, French West Indies, December 2007.
55. International Conference on High Performance Computing (HiPC), Bangalore, India, December 2007.
56. IEEE Globecom 2007, Peer-to-Peer Networking Track Washington DC, November 2007.
57. CCNC'2008, P2P and Content Distribution Track, Las Vegas, NV, January 2008.
58. The 3rd International Conference on Collaborative Computing: Networking, Applications and Worksharing (CollaborateCom 2007), New York, USA, November 2007.
59. Second IEEE International Workshop on Practical Issues in Building Sensor Network Applications (SenseApp 2007), Dublin, Ireland, October 2007.
60. The Fifth International Symposium on Parallel and Distributed Processing and Applications (ISPA07) Niagara Fall, Canada, August-September 2007.
61. Fifth International Workshop on Databases, Information Systems and Peer-to-Peer Computing (DBISP2P 2006) , Vienna, Austria, September 2007.
62. 27<sup>th</sup> International Conference on Distributed Computing Systems (ICDCS 2007), Toronto, Canada, June 2007.
63. 1st International Workshop on Distributed Event Processing, Systems and Applications (DEPSA'07) in conjunction with ICDCS 2007, Toronto, Canada, June 2007.
64. 36<sup>th</sup> International Conference on Parallel Processing (ICPP 2007), XiAn, China, September 2007.
65. International Workshop on Hot Topics in Mobile Peer-to-Peer Networks (HOT-MP2P) XiAn, China, September 2007.
66. Second International Conference on Scalable Information Systems (INFOSCALE 2007), Suzhou, China, June 2007.
67. Networking 2007, Atlanta, Georgia, May 2007.
68. IEEE/IPSJ International Symposium on Applications and the Internet (SAINT 2007), Hiroshima, Japan, January 2007.
69. The 27th IEEE Real-Time Systems Symposium (RTSS 2006), Rio de Janeiro, Brazil, December 2006.
70. ACM 15<sup>th</sup> Conference on Information and Knowledge Management (CIKM 2006), Arlington, VA, November 2006.
71. 9<sup>th</sup> IFIP/IEEE International Conference on Management of Multimedia and Mobile Networks and Services (MMNS), Dublin, Ireland, October 2006.
72. Fourth International Workshop on Databases, Information Systems and Peer-to-Peer Computing (DBISP2P 2006), Seoul, Korea, September 2006.
73. International Workshop on Security, Privacy, and Trust for Pervasive Applications (SPTPA'06) in conjunction with COMPSAC 2006, Chicago, IL, September 2006.
74. The International Conference on Dependable Systems and Networks (DSN 2006), Philadelphia, PA, June 2006.
75. International Conference on Intelligent Systems And Computing: Theory And Applications (ISYC 2006), Agia Napa, Cyprus, July 2006.

76. International Workshop on Distributed Applications for B2B Integration (DABI 2006) at ICDCS 2006, Lisboa, Portugal, July 2006.
77. IEEE International Conference on Pervasive Services 2006 (ICPS 2006), Lyon, France, June 2006.
78. 4th International Workshop on Mobile Distributed Computing (MDC'06) at WoWMoM 2006, Niagara-Falls/Buffalo, NY, June 2006.
79. 6<sup>th</sup> International Conference on Mobile Data Management (MDM 2006), Nara, Japan, May 2006.
80. Workshop on Mobile Location-Aware Sensor Networks (MLASN 2006) at MDM 2006, Nara, Japan, May 2006.
81. Managing Context Information and Semantics in Mobile Environments (MCISME 2006) at MDM 2006, Nara, Japan, May 2006.
82. Hellenic Data Management Symposium (HDMS), Thessaloniki, Greece, September 2006.
83. 9th IEEE International Symposium on Object/component/service-oriented Real-time distributed Computing (ISORC 2006), Gyeongju, Korea, April 2006.
84. IEEE Real-Time and Embedded Technology and Applications Symposium (RTAS 2006), San Jose, CA, April 2006.
85. IEEE International Conference on Pervasive Computing and Communications (PerCom'06), Pisa, Italy, March 2006.
86. IEEE Real-Time Systems Symposium (RTSS), Miami, FL, December 2005.
87. IEEE Real-Time Systems Symposium (Work in Progress Session at RTSS), Miami, FL, December 2005.
88. Workshop on Information Retrieval in Peer-to-Peer Networks", Bremen, Germany, November 2005.
89. International Symposium on Visual Computing, Lake Tahoe, NV, December 2005.
90. Third International Workshop on Databases, Information Systems and Peer-to-Peer Computing (DBISP2P), Trondheim, Norway, August 2005.
91. Publicity Chair, Fourth International ACM Workshop on Data Engineering for Wireless and Mobile Access, Baltimore, Maryland, June 2005.
92. International Conference on Mobile Data Management, Ayia Napa, Cyprus, May 2005.
93. Workshop on Semantics in Mobile Environments, Ayia Napa, Cyprus, May 2005.
94. NetDB: International Workshop on Networking Meets Databases, Tokyo, Japan, April 2005.
95. IEEE Conference on Pervasive Computing and Communications (PerCom), Hawaii, March 2005.
96. IEEE International Conference on Mobile Ad-hoc and Sensor Systems, Ft. Lauderdale, Florida, October 2005.
97. International Workshop on Databases, Information Systems and Peer-to-Peer Computing, Toronto, Canada, August 2004.
98. Global Internet and Next Generation Networks Symposium, Globecom, Dallas, Texas, Nov-Dec 2004.
99. IEEE Real-Time and Embedded Technology and Applications Symposium (RTAS), Toronto, Canada, May 2004.
100. 2<sup>nd</sup> RTAS Workshop on Model-Driven Embedded Systems (MoDES), Toronto, Canada, May 2004.
101. International Workshop on Parallel and Distributed Real-Time Systems (WPDRTS), co-located with the 2004 International Parallel and Distributed Processing Symposium (IPDPS), Santa Fe, New Mexico, April 2004.

102. International Workshop on Mobile Peer-to-Peer Computing (MP2P), co-located with the 2nd IEEE International Conference on Pervasive Computing and Communications (PerCom'04), Orlando, Florida, March 2004.
103. Special Track Chair, 19th ACM Symposium on Applied Computing, Special Track on Computer Networks, Nicosia, Cyprus, March 2004.
104. 12th International Workshop on Parallel and Distributed Real-Time Systems, held in conjunction with IPDPS2004, Santa Fe, New Mexico, April 2004.
105. 23th International Conference on Distributed Computing Systems (ICDCS 2003), Providence, Rhode Island, May 2003.
106. 11th International Workshop on Parallel and Distributed Real-Time Systems, held in conjunction with IPDPS2003, Nice, France, April 2003.
107. 5th International Workshop on Mobility in Databases and Distributed Systems (MDDS), held in conjunction with DEXA2002, Aix-en-Provence, France, September 2002.
108. International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA'02), Las Vegas, Nevada, June 2002.
109. Student Research Paper Session Organizer, "International Workshop on Parallel and Distributed Real-Time Systems (WPDRTS)", co-located with the 2004 International Parallel and Distributed Processing Symposium (IPDPS), Santa Fe, New Mexico, April 2004.

### **Referee in Journals**

1. IEEE Transactions on Parallel and Distributed Systems (TPDS)
2. IEEE Transactions on Computers (TC)
3. ACM Transactions on Sensor Networks (TOSN)
4. IEEE Transactions on Mobile Computing (TMC)
5. IEEE Transactions on Knowledge and Data Engineering (TKDE)
6. Real Time Systems Journal
7. Distributed and Parallel Databases Journal
8. Journal of Systems and Software (JSS)
9. IEEE Journal on Selected Areas in Communications (JSAC)
10. International Journal of Pervasive Computing and Communications
11. Journal of Computer and System Sciences
12. Multimedia and Networking: Technology, Management and Applications

### **Other Committee Work**

1. Invited Panelist, NSF Directorate for Computer and Information Science and Engineering (CISE), Computer Systems Research, Washington DC, March 2007.
2. Invited Panelist, NSF Directorate for Computer and Information Science and Engineering (CISE), Division of Information and Intelligent Systems, Washington DC, March 2007.
3. Invited Panelist, NSF Directorate for Computer and Information Science and Engineering (CISE), Computer Systems Research, Washington DC, March 2006.
4. Panel Organizer, International Conference on Mobile Data Management (MDM'05), Ayia Napa, Cyprus, May 2005.
5. Invited Panelist, NSF Directorate for Computer and Information Science and Engineering (CISE), Computer Systems Research, Washington DC, February 2005
6. Invited Panelist, NSF Directorate for Computer and Information Science and Engineering (CISE), Sensors Networking, Washington DC, November 2004.

7. Invited Panelist, Second International Workshop on Databases, Information Systems and Peer-to-Peer Computing, Toronto, Canada, August 2004.
8. Invited Panelist, NSF Directorate for Computer and Information Science and Engineering (CISE), Next Generation Software Program, Washington DC, February 2004.
9. Invited Panelist, NSF Division of Distributed Systems and Compilers, Washington DC, March 2003.
10. Proposal Reviewer, University of California MICRO (UC-MICRO) Program in 2003, 2004, 2005 and 2006.
11. Proposal Reviewer, US Army Research Office, February 2005.
12. Session Chair, Tenth IEEE International Workshop on Object-oriented Real-time Dependable Systems (WORDS 2005), Sedona, AR, February 2005.
13. Finance/Registration Chair, IEEE International Conference on Cluster Computing, San Diego, California, September 2004.
14. Session Chair, IEEE Globecom 2004, Dallas, TX, 29 November – 3 December 2004.
15. Session Chair, “Databases, Information Systems and Peer-to-Peer Computing” at VLDB2003, Berlin, Germany, September 2003.
16. Session Chair, Special Technical Session on “Agent Enabled Peer-to-Peer Computing” at the Third International Conference on Intelligent System Design and Applications Conference, Tulsa, Oklahoma, August 2003.
17. Invited Panelist at the IEEE Workshop on Middleware for Distributed Real-time Systems and Services, San Francisco, CA, December 1997.
18. Referee for IEEE International Symposium on Object-Oriented Real-Time Distributed Computing (ISORC), International Symposium on Distributed Computing, ACM International Conference on Distributed Systems Platforms and Open Distributed Processing (Middleware), Multimedia and Networking: Technology, Management and Applications, IEEE International Parallel and Distributed Processing Symposium (IPDPS), IEEE International Conference on Networks (ICON).

## UNIVERSITY AND PROFESSIONAL SERVICE

1. [2016 - today] Undergraduate Students Committee, Athens University of Economics and Business
2. [2011 - today] Seminar Committee, Athens University of Economics and Business
3. [2008 - 2011] Επιτροπή Μεταγραφών, Athens University of Economics and Business
4. [Sept2004–Sept2007] Mentor for Undergraduate Students
5. [Sept 2006–Sept 2007] Faculty Recruiting Committee, Computer Science and Eng. Dept, UCR.
6. [Sept 2005–Sept 2006] Graduate Students Committee, Computer Science and Eng. Dept, UCR.
7. [Sept 2004 – Sept 2005] Dean Search Committee, College of Engineering, UCR
8. [Sept 2004 – Sept 2005] Undergraduate Students Committee, Computer Science and Eng. Dept, UCR.
9. [Sept 2003 – Sept 2004] Undergraduate Students Committee, Computer Science and Eng. Dept, UCR.
10. [Sept 2002 – Sept 2003] Graduate Students Committee, Computer Science and Eng. Dept, UCR.
11. [Jan 2003 – Jul 2003] UCR Research Council Member on the Communications, Networking and Operating Systems Research Council of the Industry–University Cooperative Research Program.
12. Standardization Activities of the OMG: Co-author of the joint proposal on Dynamic Scheduling (with Eternal Systems, Lockheed Martin, Objective Interface Systems, Tri-

Pacific Software, Vertel Corporation and Mitre Corporation), in response to the OMG's Request for Proposals on Dynamic Scheduling.

13. Member of ACM, IEEE, Women in Engineering Society.

## **STUDENTS**

1. Michalis Tsenos (PhD Advisor), Department of Informatics, Athens University of Economics and Business (current).
2. Dimitrios Tomaras (PhD Advisor), Department of Informatics, Athens University of Economics and Business (current).
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10. Aris Peris (MS Student), Department of Informatics, Athens University of Economics and Business (current).
11. Iouliana Litou (PhD Advisor), Department of Informatics, Athens University of Economics and Business (graduated January 2020, currently at IBM).
12. Nikos Zacheilas (PhD Advisor), Department of Informatics, Athens University of Economics and Business (graduated November 2018, currently at Shazam - Apple).
13. Giannis Mpoutsis (PhD Advisor), Department of Informatics, Athens University of Economics and Business (graduated January 2017, currently at Amazon).
14. Victor Kostopoulos (MS Student), Department of Informatics, Athens University of Economics and Business (June 2019).
15. Nikos Karagkounis (MS Student), Department of Informatics, Athens University of Economics and Business (June 2019).
16. Miltiadis Laskaris (MS Student), Department of Informatics, Athens University of Economics and Business (June 2017).
17. Garyfallia Dimitriou (MS Student), Department of Informatics, Athens University of Economics and Business (June 2017).
18. Elena Mitsopoulou (MS Student), Department of Informatics, Athens University of Economics and Business (June 2016).
19. Dimitrios Dedousis (MS Student), Department of Informatics, Athens University of Economics and Business (March 2016).
20. Evita Bakopoulou (MS Student), Department of Informatics, Athens University of Economics and Business (March 2016).
21. Stathis Maroulis (MS Student), Department of Informatics, Athens University of Economics and Business (February 2015).
22. Stavroula Karanikolaou (MS Student), Department of Informatics, Athens University of Economics and Business (Sept 2014).

23. Sotiris Antoniadis (MS Student), Department of Informatics, Athens University of Economics and Business (Sept 2014).
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26. Dimitris Tomaras (MS Student), Department of Informatics, Athens University of Economics and Business (Sept 2014).
27. Panagiota Nikolettatou (MS Student), Department of Informatics, Athens University of Economics and Business (Sept 2014).
28. Mavra Drakouli (MS Student), Department of Informatics, Athens University of Economics and Business (Sept 2014).
29. Dimitris Mourmouras (MS Student), Department of Informatics, Athens University of Economics and Business (Fall 2013).
30. Ioulia Litou (MS Student), Department of Informatics, Athens University of Economics and Business (Fall 2013).
31. Nikos Zaheilas (MS Student), Department of Informatics, Athens University of Economics and Business (Fall 2013).
32. Giannis Hiladakis (MS Student), Department of Informatics, Athens University of Economics and Business (Fall 2011).
33. Giannis Mpoutsis (MS Student), Department of Informatics, Athens University of Economics and Business (June 2011).
34. Nikos Nakas (MS Student), Department of Informatics, Athens University of Economics and Business (June 2011).
35. Voula Doulgeraki (MS Student), Department of Informatics, Athens University of Economics and Business (June 2011).
36. Michalis Karagiannis (MS Student), Department of Informatics, Athens University of Economics and Business (Fall 2011).
37. Spyros Tzoraz (MS Student), Department of Informatics, Athens University of Economics and Business (June 2011).
38. Paris Carbone (undergraduate student), Τμήμα Πληροφορικής, Οικονομικό Πανεπιστήμιο Αθηνών (Fall 2009).
39. Ph.D. Committee Chair (advisor), Kyriakos Karenos, Dept. of Computer Science and Eng., University of California, Riverside (PhD, Spring 2008, now at Microsoft Research).
40. Ph.D. Committee Chair (advisor), Thomas Repantis, Dept. of Computer Science and Eng., University of California, Riverside (PhD, Summer 2008, now at Akamai).
41. Ph.D. Committee Chair (advisor), Yannis Drougas, Dept. of Computer Science and Eng., University of California, Riverside (PhD, Fall 2008, now at ESRI).
42. Ph.D. Committee Chair (advisor), Fang Chen, Dept. of Computer Science and Eng., University of California, Riverside (PhD, June 2005, now at Oracle).
43. Ph.D. Committee Chair (co-advisor), Demetrios Zeinalipour-Yazti, Dept. of Computer Science and Eng., University of California, Riverside (PhD, August 2005, now at University of Cyprus).
44. Ph.D. Committee Chair (advisor), Dung Vu, Dept. of Computer Science and Eng., University of California, Riverside (2007 - 2009).
45. Ph.D. Committee Chair (advisor), Jessica Browndus, Dept. of Computer Science and Eng., University of California, Riverside (2007 - 2009).
46. Ph.D. Committee Chair (Advisor), Ji Dou, Dept. of Computer Science and Eng., University of California, Riverside. (2007 - 2009).

47. MSc Committee Chair (Advisor), Jorge Mena, Dept. of Computer Science and Eng., University of California, Riverside. (MS, Fall 2007).
48. MSc Committee Chair (advisor), Kyriakos Karenos, Dept. of Computer Science and Eng., University of California, Riverside (MS 2006).
49. MSc Committee Chair (advisor), Thomas Repantis, Dept. of Computer Science and Eng., University of California, Riverside (MS 2006).
50. MSc Committee Chair (Advisor), Nelson Perez, Dept. of Computer Science and Eng., University of California, Riverside. (MS, December 2005, now at IBM Almaden).
51. MSc Committee Chair (Advisor), Amir Soheili, Dept. of Computer Science and Eng., University of California, Riverside. (MS, June 2005, now at ESRI).
52. MSc Committee Chair (Advisor), Nan Xiao, Dept. of Computer Science and Eng., University of California, Riverside. (MS, February 2005).
53. Ph.D. Committee Member, Aggelos Vlavianos, Dept. of Comp. Science and Eng., UCR
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55. Ph.D. Committee Member, Teddy Yap, Dept. of Computer Science and Eng., UCR
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58. Ph.D. Committee Member, Ioannis Broustis, Dept. of Computer Science and Eng., UCR
59. MSc Committee Member, Anwar Adi, Dept. of Computer Science and Eng., UCR.
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67. Ph.D. Committee Member, Wei Wang, Dept. of Computer Science and Eng., UCR.