Demetrios Zeinalipour-Yazti
(Curriculum Vitae)

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Department of Computer Science   Tel: +357-22-892755
University of Cyprus   Fax: +357-22-892701
1 University Ave., P.O. Box 20537,   `dzeina@cs.ucy.ac.cy`
1678 Nicosia, Cyprus   `http://www.cs.ucy.ac.cy/~dzeina/`

Data Management Systems Laboratory (DMSL)   `http://dmsl.cs.ucy.ac.cy/`

I. RESEARCH INTERESTS

Data Management in Computer Systems and Networks: *Mobile and Sensor Data Management; Spatio-Temporal Data Management; Big Data Management in Parallel and Distributed Architectures; Network and Web 2.0 Data Management; Crowd and Indoor Data Management; Data Privacy Management.*

II. EDUCATION

Ph.D.	Computer Science & Engineering, University of California - Riverside *Dissertation: Search and Retrieval Algorithms for Distributed Data Management Systems*	2003-2005
M.Sc.	Computer Science & Engineering, University of California - Riverside *Thesis: Information Retrieval in Peer-to-Peer Networks*	2001-2003
B.Sc.	Computer Science, University of Cyprus *Thesis: An eXtensible Retrieval Annotation Caching Engine*	1996-2000

III. ACADEMIC APPOINTMENTS

Assistant Professor, Dept. of Computer Science, Univ. of Cyprus, Cyprus	12/2012 - current
Lecturer, Dept. of Computer Science, Univ. of Cyprus, Cyprus	01/2009-11/2012
Lecturer, School of Pure and Applied Sc., Open Univ. of Cyprus, Cyprus	07/2007-01/2009
Visiting Lecturer, Dept. of Computer Science, Univ. of Cyprus, Cyprus	09/2005-06/2007
Academic Collaborator, Dept. of Computer Science, University of Pittsburgh, PA, USA	01/2007 - current
Visiting Researcher, Network Intelligence Lab, Akamai, Cambridge MA, USA	Summer 2004
Research Assistant, DB Lab, Univ. of California - Riverside, CA, USA	2003-2005
Teaching Assistant, University of California - Riverside, CA, USA	2001-2003
Academic Collaborator, University of Cyprus, Nicosia, Cyprus	2000-2001

IV. PUBLICATIONS

Google Scholar Citations: 1,963; h-index[1]: 20; i10-index[2]: 38

JOURNAL AND MAGAZINE PAPERS

J19. "Privacy-Preserving Indoor Localization on Smartphones",
Andreas Konstantinidis, Georgios Chatzimilioudis, **Demetrios Zeinalipour-Yazti**, Paschalis Mpeis, Nikos Pelekis, and Yannis Theodoridis, **Transactions on Knowledge and Data Engineering (TKDE)**, IEEE Computer Society, Los Alamitos, CA, USA, **2015 (accepted)**.

J18. "Managing Big-Data Experiments on Smartphones",
Georgios Larkou, Marios Mintzis, Andreas Konstantinidis, Panayiotis Andreou and **Demetrios Zeinalipour-Yazti Distributed and Parallel Databases (DAPD)**, Special Issue on Large-Scale Data Management for Mobile Applications, Springer US, 10.1007/s10619-014-7158-6, Pages: 1-32, **2014**.

J17. "A Network-aware Framework for Energy-efficient Data Acquisition in Wireless Sensor Networks",
Panayiotis G. Andreou, **Demetrios Zeinalipour-Yazti**, George S. Samaras, Panos K. Chrysanthis, **Journal of Network and Computer Applications (JNCA)**, Elsevier Press, Volume 30, Issue 1, pp. 209-243, January **2014**.

J16. "Crowdsourced Trajectory Similarity with Smartphones",
Demetrios Zeinalipour-Yazti, Christos Laoudias, Costandinos Costa, Michalis Vlachos, Dimitrios Gunopulos, **IEEE Transactions on Knowledge and Data Engineering (TKDE)**, IEEE Computer Society, Volume 25, Pages: 1240-1253, Los Alamitos, CA, USA, **2013**.

J15. "Intelligent Search in Social Communities of Smartphone Users",
Andreas Konstantinidis, **Demetrios Zeinalipour-Yazti**, Panayiotis G. Andreou, Panos K. Chrysanthis, George Samaras, **Distributed and Parallel Databases (DAPD)**, Special Issue on Mobile Data Management, Springer US, Volume 31, Pages: 115-149, **2013**.

J14. "Crowdsourcing with Smartphones",
Georgios Chatzimiloudis, Andreas Konstantinides, Christos Laoudias, **Demetrios Zeinalipour-Yazti**, **IEEE Internet Computing (IC)**, Special Issue: Sep/Oct 2012 - Crowdsourcing May 2012. IEEE Press, Volume 16, Pages: 36-44, **2012**.

J13. "Power Efficiency through Tuple Ranking in Wireless Sensor Network Monitoring",
Panayiotis Andreou, **Demetrios Zeinalipour-Yazti**, Panos K. Chrysanthis, George Samaras, **Distributed and Parallel Databases (DAPD)**, Special Issue on Query Processing in Sensor Networks, Springer Press, Volume 29, Numbers 1-2, pp. 113-150, DOI: 10.1007/s10619-010-7072-5, January **2011**.

J12. "In-Network Data Acquisition and Replication in Mobile Sensor Networks",
Panayiotis Andreou, **Demetrios Zeinalipour-Yazti**, Panos K. Chrysanthis, George Samaras, **Distributed and Parallel Databases (DAPD)**, Special Issue on Query Processing in Sensor Networks, Springer Press, Volume 29, Numbers 1-2, pp. 87-112, DOI: 10.1007/s10619-010-7073-4, January **2011**.

J11. "Optimized Query Routing Trees for Wireless Sensor Networks",
Panayiotis Andreou, **Demetrios Zeinalipour-Yazti**, Andreas Pamboris, Panos K. Chrysanthis, George Samaras, **Information Systems (InfoSys)**, Volume 36, Issue 2, pp. 267-291, Elsevier Press, April **2011**.

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[1]h-index is the largest number h such that h publications have at least h citations.
[2]i10-index is the number of publications with at least 10 citations.

J10. "A Multi-Objective Evolutionary Algorithm for the Deployment and Power Assignment Problem in Wireless Sensor Networks",
Andreas Konstantinidis, Kun Yang, Qingfu Zhang and **Demetrios Zeinalipour-Yazti Computer Networks (ComNet)**, Volume 54, Issue 6, pp. 960-976, Elsevier Press, April **2010**.

J9. "Finding the K Highest-Ranked Answers in a Distributed Network",
Demetrios Zeinalipour-Yazti, Zografoula Vagena, Dimitrios Gunopulos and Vana Kalogeraki, Vassilis Tsotras, Michail Vlachos, Nick Koudas, Divesh Srivastava, **Computer Networks (ComNet)**, Volume 53, Issue 9, pp. 1431-1449, Elsevier Press, **2009**.

J8. "Metadata Ranking and Pruning for Failure Detection in Grids",
Demetrios Zeinalipour-Yazti, Haris Papadakis, Chryssis Georgiou, Marios D. Dikaiakos, **Parallel Processing Letters Journal (PPL)**, Special Issue on Grid Architectural Issues: Scalability, Dependability, Adaptability, Volume: 18, Issue: 3, Page 371 - 390, September **2008**.

J7. "pFusion: An Architecture for Internet-Scale Content-Based Search and Retrieval",
Demetrios Zeinalipour-Yazti, Vana Kalogeraki, Dimitrios Gunopulos, **IEEE Transactions on Parallel and Distributed Systems (TPDS)**, Volume 18, No. 6, pp. 804-817, June **2007**.

J6. "Distributed Middleware Architectures for Scalable Media Services", Vana Kalogeraki, **Demetrios Zeinalipour-Yazti**, Dimitrios Gunopulos and Alex Delis, **Journal of Network and Computer Applications (JNCA)**, Elsevier Press, Volume 30, Issue 1, pp. 209-243, January **2007**.

J5. "Efficient Indexing Data Structures for Flash-Based Sensor Devices",
Song Lin, **Demetrios Zeinalipour-Yazti**, Vana Kalogeraki, Dimitrios Gunopulos, Walid Najjar, **ACM Transactions on Storage (TOS)**, Volume 2, No. 4, pp. 468 - 503, November **2006**.

J4. "Structuring Topologically-Aware Overlay Networks using Domain Names",
Demetrios Zeinalipour-Yazti and Vana Kalogeraki, **Computer Networks (ComNet)**, Elsevier Press, Volume 50, Issue 16, pp. 3064-3082, November **2006**.

J3. "Exploiting Locality for Scalable Information Retrieval in Peer-to-Peer Systems",
Demetrios Zeinalipour-Yazti, Vana Kalogeraki and Dimitrios Gunopulos, **Information Systems (InfoSys)**, Elsevier Press, Volume 30, Issue 4, pp. 277-298, **2005**. (ranks 1st in the TOP25 list of the Information Systems journal in April-May-June 2005).

J2. "A Distributed Middleware Infrastructure for Personalized Services",
Marios D. Dikaiakos, **Demetrios Zeinalipour-Yazti**, **Computer Communications (ComCom)**, Elsevier Press, Volume 27, Issue 15, pp. 1464-1480, **2004**.

J1. "Information Retrieval Techniques for Peer-to-Peer Systems",
Demetrios Zeinalipour-Yazti, Vana Kalogeraki and Dimitrios Gunopulos, **Computing in Science and Engineering (CiSE)**, Special Issue on Web Engineering, IEEE Publications, pp. 20 - 26, ISSN: 1521-9615, July/August **2004**.

CONFERENCE AND WORKSHOP PAPERS

C60. "A Realistic Evaluation and Comparison of Indoor Location Technologies: Experiences and Lessons Learned",
Dimitrios Lymberopoulos, Jie Liu, Xue Yang, Romit Roy Choudhury, ..., Christos Laoudias, **Demetrios Zeinalipour-Yazti**, Yu-Kuen Tsai, et. al. *Proceedings of the 14th International Conference on Information Processing in Sensor Networks (**IPSN 2015**)*, Seattle, WA, USA, April 14-16, Pages: 178–189, **2015**.

C59. **"RadioMap Prefetching for Indoor Navigation in Intermittently Connected Wi-Fi Networks"**,
Andreas Konstantinidis, George Nikolaides, Georgios Chatzimilioudis, Giannis Evagorou, **Demetrios Zeinalipour-Yazti** and Panos K. Chrysanthis, *Proceedings of the 16th IEEE International Conference on Mobile Data Management (***MDM 2015***)*, Pittsburgh, PA, USA, July 15-18, Volume 1, pp. 34-43, **2015**.

C58. **"Rayzit: An Anonymous and Dynamic Crowd Messaging Architecture"**,
Constantinos Costa, Chrysovalantis Anastasiou, Georgios Chatzimilioudis and **Demetrios Zeinalipour-Yazti** *Proceedings of the 3rd IEEE International Workshop on Mobile Data Management Mining and Computing on Social Networks collocated with IEEE MDM '15 (***Mobisocial 2015***)*, Pittsburgh, PA, USA, July 15-18, 978-1-4799-9972-9/15, IEEE Press, Volume 2, pp. 98-103, **2015**.

C57. **"Scalable Mockup Experiments on Smartphones using SmartLab"**,
Georgios Larkou, Marios Mintzis, Panayiotis G. Andreou, Andreas Konstantinidis and **Demetrios Zeinalipour-Yazti** *Proceedings of the 16th IEEE International Conference on Mobile Data Management (***MDM 2015***)*, Pittsburgh, PA, USA, July 15-18, 978-1-4799-9972-9/15, IEEE Press, Volume 2, pp. 287-290, **2015**.

C56. **"Anyplace: A Crowdsourced Indoor Information Service"**,
Kyriakos Georgiou, Timotheos Constambeys, Christos Laoudias, Lambros Petrou, Georgios Chatzimilioudis and **Demetrios Zeinalipour-Yazti** *Proceedings of the 16th IEEE International Conference on Mobile Data Management (***MDM 2015***)*, Pittsburgh, PA, USA, July 15-18, 978-1-4799-9972-9/15, IEEE Press, Volume 2, pp. 291-294, **2015**.

C55. **"Mobile Data Management in Indoor Spaces"**,
Christos Laoudias and **Demetrios Zeinalipour-Yazti**, *Proceedings of the 16th IEEE International Conference on Mobile Data Management (***MDM 2015***)*, Pittsburgh, PA, USA, June 15-18, Volume 1, pages 11-14, **2015**.

C54. **"Mobile Big Data Analytics: Research, Practice and Opportunities"**,
Demetrios Zeinalipour-Yazti and Shonali Krishnaswamy, *Proceedings of the 15th IEEE International Conference on Mobile Data Management (***MDM 2014***)*, Brisbane, Australia, July 15-18, Volume 1, pages 1-2, **2014**.

C53. **"Sensor Mockup Experiments with SmartLab"**,
George Larkou, Marios Mintzis, Stefano Taranto, Andreas Konstantinidis, Panayiotis G. Andreou and **Demetrios Zeinalipour-Yazti**, *Proceedings of the 13th international conference on Information processing in sensor networks (***IPSN 2014***)*, Pages: 339–340, ISBN: 978-1-4799-3146-0, Berlin, Germany, April 15-17, **2014**.

C52. **"Crowdsourced Indoor Localization and Navigation with Anyplace"**,
Lambros Petrou, George Larkou, Christos Laoudias, **Demetrios Zeinalipour-Yazti**, Christos G. Panayiotou, *Proceedings of the 13th international conference on Information processing in sensor networks (***IPSN 2014***)*, Pages: 331–332, ISBN: 978-1-4799-3146-0, Berlin, Germany, April 15-17, **2014**.

C51. **"Managing Smartphone Testbeds with SmartLab"**,
George Larkou, Panayiotis K. Andreou, Andreas Konstantinides and **Demetrios Zeinalipour-Yazti** *Proceedings of the 27th USENIX Large Installation System Administration Conference (***LISA 2013***)*, Pages: 115-132, ISBN: 978-1-931971-05-8, Washington D.C., USA, **2013**.

C50. **"Indoor Positioning and Navigation in the Big-Data Era"**,
Lambros Petrou, George Larkou, Christos Laoudias, **Demetrios Zeinalipour-Yazti** and Christos G. Panayiotou, *Proceedings of the 4th Intl. Conference on Indoor Positioning and Indoor Navigation (***IPIN 2013***)*, Montbliard, France, **2013**.

C49. **"Crowdsourced Indoor Localization for Diverse Devices through Radiomap Fusion"**,
Christos Laoudias, **Demetrios Zeinalipour-Yazti** and Christos G. Panayiotou, *Proceedings of the 4th Intl. Conference on Indoor Positioning and Indoor Navigation* (**IPIN 2013**), Montbliard, France, **2013**.

C48. **"Demo: Indoor Geolocation on Multi-Sensor Smartphones"**,
Chin-Lung Li, Christos Laoudias, George Larkou, Yu-Kuen Tsai, **Demetrios Zeinalipour-Yazti** and Christos G. Panayiotou *Proceedings of the 11th International Conference on Mobile Systems, Applications and Services* (**MobiSys 2013**), Tapei, Taiwan, Pages: 503-504, Taipei, Taiwan, June 25 - 28, ISBN: 978-1-4503-1672-9, **2013**.

C47. **"Crowdsourcing for Mobile Data Management"**,
Georgios Chatzimilioudis and **Demetrios Zeinalipour-Yazti** *14th IEEE International Conference on Mobile Data Management*, Milan, Italy, June 3-6, **2013**.

C46. **"CLODA: A Crowdsourced Linked Open Data Architecture"**,
George Larkou, Julia Metochi, Georgios Chatzimilioudis and **Demetrios Zeinalipour-Yazti** *1st IEEE International Workshop on Mobile Data Management, Mining, and Computing on Social Networks (MobiSocial)*, June 3-6 2013, Milan, Italy, **2013**.

C45. **"Hybrid Indoor Positioning on Multi-Sensor Android Smartphones"**,
Chin-Lung Li, Christos Laoudias, George Larkou, Georgios Chatzimilioudis, **Demetrios Zeinalipour-Yazti** and Christos G. Panayiotou *The 3rd International Conference on Indoor Positioning and Indoor Navigation* (**IPIN 2012**), November 13-15, 2012, Sydney, Australia, **2012**.

C44. **"FireWatch: G.I.S.-assisted Wireless Sensor Networks for Forest Fires"**,
Panayiotis G. Andreou, George Constantinou, **Demetrios Zeinalipour-Yazti**, George Samaras, *The 24th International Conference on Scientific and Statistical Database Management* (**SSDBM 2012**), Springer LNCS Series, Volume 7338, Pages: 618-621, Chania, Greece, ISBN: 978-3-642-31234-2,**2012**.

C43. **"Continuous All k-Nearest Neighbor Querying in Smartphone Networks"**,
Georgios Chatzimilioudis, **Demetrios Zeinalipour-Yazti**, Wang-Chien Lee, Marios D. Dikaiakos, *Proceedings of the 13th IEEE International Conference on Mobile Data Management* (**MDM 2012**), IEEE Computer Society, IEEE Computer Society, Pages: 79–88, Bangalore, India, ISBN: 978-0-7695-4713-8, **2012**. [**Acceptance Rate: 25% (22/88)**]

C42. **"The Airplace Indoor Positioning Platform for Android Smartphones"**,
Christos Laoudias, George Constantinou, Marios Constantinides, Silouanos Nicolaou, **Demetrios Zeinalipour-Yazti**, Christos G. Panayiotou, *Proceedings of the 13th IEEE International Conference on Mobile Data Management* (**MDM 2012**), IEEE Computer Society, IEEE Computer Society, Pages: 312–315, Bangalore, India, ISBN: 978-0-7695-4713-8, **2012** (**Best Demo Award!**).

C41. **"SmartP2P: A Multiobjective Framework for Finding Social Content in P2P Smartphone Networks"**,
Andreas Konstantinidis, Christos Aplitsiotis, **Demetrios Zeinalipour-Yazti**, *Proceedings of the 13th IEEE International Conference on Mobile Data Management* (**MDM 2012**), IEEE Computer Society, Pages: 324–327, Bangalore, India, ISBN: 978-0-7695-4713-8, **2012**

C40. **"Towards In-Situ Localization on Smartphones with a Partial Radiomap"**,
Andreas Konstantinidis, Georgios Chatzimilioudis, Christos Laoudias, Silouanos Nicolaou and **Demetrios Zeinalipour-Yazti**, *Proceedings of the 4th ACM international workshop on Hot topics in planet-scale measurement* (**HotPlanet'12**), in conjunction with ACM MobiSys'12, ACM, Pages: 9–14, New York, NY, USA, ISBN: 978-1-4503-1318-6, Low Wood Bay, Lake District, UK, June 25, **2012**.

C39. **"Demo: The Airplace Indoor Positioning Platform"**,
Christos Laoudias, George Constantinou, Marios Constantinides, Silouanos Nicolaou, **Demetrios Zeinalipour-Yazti** and Christos G. Panayiotou, *The 10th International Conference on Mobile Systems, Applications and Services* (**MobiSys 2012**), Low Wood Bay, Lake District UK, June 25 - 29, Pages: 467-468, ISBN: 978-1-4503-1301-8, **2012**.

C38. **"Demo: A Programming Cloud of Smartphones"**,
Andreas Konstantinidis, Constantinos Costa, George Larkou and **Demetrios Zeinalipour-Yazti**, *The 10th International Conference on Mobile Systems, Applications and Services* (**MobiSys 2012**), Low Wood Bay, Lake District UK, June 25 - 29, Pages: 465-466, ISBN: 978-1-4503-1301-8, **2012**.

C37. **"Towards a Network-aware Middleware for Wireless Sensor Networks"**,
Panayiotis Andreou, **Demetrios Zeinalipour-Yazti**, George Samaras, Panos K. Chrysanthis, 8th Intl. Workshop on Data Management for Sensor Networks (**DMSN 2011**), in conjunction with VLDB 2011, Seattle, WA, USA, August 29, **2011**.

C36. **"Data Management Techniques for Smartphone Networks"**,
Demetrios Zeinalipour-Yazti 10th International ACM Workshop on Data Engineering for Wireless and Mobile Access (**MobiDE 2011**), in conjunction with SIGMOD/PODS 2011, Athens, Greece, June 12, **2011**.

C35. **"Energy Efficient Data Management in Smartphone Networks"**,
Demetrios Zeinalipour-Yazti NSF-sponsored Workshop on Sustainable Energy-Efficient Data Management (**SEEDM 2011**), Arlington, Virginia, May 2-3, **2011**.

C34. **An Indoor Trajectory Comparison Framework for Android Smartphones**, Christos Laoudias, Constantinos Costa, **Demetrios Zeinalipour-Yazti**, Christos G. Panayiotou, Demo at the International Conference on Indoor Positioning and Indoor Navigation (**IPIN 2011**), Guimares, Portugal, 21-23 Sept. **2011**.

C33. **"A Platform for the Evaluation of Fingerprint Positioning Algorithms on Android Smartphones"**, Christos Laoudias, George Constantinou, Marios Constantinides, Silouanos Nicolaou, **D. Zeinalipour-Yazti**, Christos G. Panayiotou, Demo at the International Conference on Indoor Positioning and Indoor Navigation (**IPIN 2011**), Guimares, Portugal, 21-23 Sept. **2011**.

C32. **"Multi-Objective Query Optimization in Smartphone Social Networks"**,
Andreas Konstantinidis, **Demetrios Zeinalipour-Yazti**, Panayiotis Andreou, George Samaras *12th IEEE International Conference on Mobile Data Management* (**MDM 2011**), pp. 27-32, IEEE Computer Society, Volume 1. IEEE 2011, ISBN 978-1-4577-0581-6, Lulea, Sweden, June 6-9, **2011**.

C31. **"Disclosure-free GPS Trace Search in Smartphone Networks"**,
Demetrios Zeinalipour-Yazti, Christos Laoudias, Maria I. Andreou, Dimitrios Gunopulos *12th IEEE International Conference on Mobile Data Management* (**MDM 2011**), pp. 78-87, IEEE Computer Society, Volume 1, IEEE 2011, ISBN 978-1-4577-0581-6, Lulea, Sweden, June 6-9, **2011**. [**Acceptance Rate: 25% (22/88)**].

C30. **"SmartTrace: Finding Similar Trajectories in Smartphone Networks without Disclosing the Traces"**, Constandinos Costa, Christos Laoudias, **Demetrios Zeinalipour-Yazti**, Dimitrios Gunopulos Demo at 27th International Conference on Data Engineering March (**ICDE 2011**), ISBN 978-1-4244-8958-9, pp. 1288-1291, IEEE Press, April 11-16, Hannover, Germany, **2011**, [**Acceptance Rate: 31% (21/67)**].

C29. **"Minimum-Hot-Spot Query Trees for Wireless Sensor Networks"**,
Georgios Chatzimilioudis, **Demetrios Zeinalipour-Yazti**, Dimitrios Gunopulos, Ninth International ACM Workshop on Data Engineering for Wireless and Mobile Access (**MobiDE**

2010), June 6, 2010, Indianapolis, Indiana, USA, pp. 33-40, ACM Press, ISBN: 978-1-4503-0151-0, DOI:10.1145/1850822.1850829, **2010**.

C28. **"Improving the Dependability of Computational Grids via Short-Term Failure Predictions"**, Artur Andrzejak, **Demetrios Zeinalipour-Yazti**, Marios D. Dikaiakos, CoreGRID ERCIM Working Group Workshop on Grids, P2P and Service computing (**EuroPAR 2009 Workshops**), Springer Press Series, Delft, Netherlands, August 24, **2009**.

C27. **"FSort: External Sorting on Flash-based Sensor Devices"**,
Panayiotis Andreou, Orestis Spanos, **Demetrios Zeinalipour-Yazti**, Panos K. Chrysanthis, George Samaras, 6th *Intl. Workshop on Data Management for Sensor Networks "DMSN"* (**VLDB 2009 Workshops**), Lyon, Paris, ACM International Conference Proceeding Series, ISBN: 978-1-60558-777-6, DOI: 10.1145 / 1594187.1594201, article 10, **2009**.

C26. **"Perimeter-Based Data Replication and Aggregation in Mobile Sensor Networks"**,
Panayiotis Andreou, **Demetrios Zeinalipour-Yazti**, Maria I. Andreou, Panos K. Chrysanthis, George Samaras, *10th International Conference on Mobile Data Management* (**MDM 2009**), Taipei, Taiwan, May 18-21, pp. 244-251, IEEE Computer Society, ISBN: 978-0-7695-3650-7, **2009**.

C25. **"KSpot: Effectively Monitoring the K Most Important Events in a Wireless Sensor Network"**, Panayiotis Andreou, **Demetrios Zeinalipour-Yazti**, Martha Vasiliadou, Panos K. Chrysanthis, George Samaras, Demo at the 25th International Conference on Data Engineering March (**ICDE 2009**), Shanghai, China, May 29 - April 4, 2009, pp. 1503-1506, ISBN: 978-1-4244-3422-0., IEEE Computer Society, **2009**. [**Acceptance Rate: 28% (26/92)**].

C24. **"ETC: Energy-driven Tree Construction in Wireless Sensor Networks"**,
Panayiotis Andreou, Andreas Pamboris, **Demetrios Zeinalipour-Yazti**, Panos K. Chrysanthis, George Samaras, *2nd International Workshop on Sensor Network Technologies for Information Explosion Era (SeNTIE'09)*, (**MDM 2009 Workshops**), Taipei, Taiwan, 2009, pp. 513-518., ISBN: 978-1-4244-4153-2, IEEE Computer Society, **2009**.

C23. **"Identifying Failures in Grids through Monitoring and Ranking"**,
Demetrios Zeinalipour-Yazti, Kyriacos Neocleous, Chryssis Georgiou, Marios D. Dikaiakos, The 7th IEEE International Symposium on Network Computing and Applications (**NCA 2008**), Cambridge, MA USA, pp. 291-298, IEEE Computer Society, July 10-12, **2008**.

C22. **"Workload-aware Optimization of Query Routing Trees in Wireless Sensor Networks"**,
Panayiotis Andreou, **Demetrios Zeinalipour-Yazti**, Panos K. Chrysanthis and George Samaras, *IEEE/ACM 9th International Conference on Mobile Data Management* (**MDM 2008**), Beijing, China, pp. 189-196, IEEE Computer Society, April 27-30, **2008**. [**Acceptance Rate: 21% (26/119)**].

C21. **"Seminar: Distributed Top-K Query Processing in Wireless Sensor Networks"**,
Demetrios Zeinalipour-Yazti and Zografoula Vagena, *IEEE/ACM 9th International Conference on Mobile Data Management* (**MDM 2008**), Beijing, China, pp. 227, IEEE Computer Society, April 27-30, **2008**.

C20. **"SenseSwarm: A Perimeter-based Data Acquisition Framework for Mobile Sensor Networks"**,
Demetrios Zeinalipour-Yazti, Panayiotis Andreou, Panos K. Chrysanthis, George Samaras, 4th *Intl. Workshop on Data Management for Sensor Networks "DMSN"* (**VLDB 2007 Workshops**), ACM International Conference Proceeding Series; Volume 273, pp. 13-18, Vienna, Austria, **2007**.

C19. **"FailRank: Towards a Unified Grid Failure Monitoring and Ranking System"**, **Demetrios Zeinalipour-Yazti**, Kyriacos Neocleous, Chryssis Georgiou, Marios D. Dikaiakos, In CoreGrid Springer Volume of Selected Papers from the **(Coregrid 2007 Workshop)** on Grid Programming Models and P2P Systems Architecture, Heraklion, Greece, **2007**.

C18. **"The MicroPulse Framework for Adaptive Waking Windows in Sensor Networks"**, **Demetrios Zeinalipour-Yazti**, Panayiotis Andreou, Panos K. Chrysanthis, George Samaras and Andreas Pitsillides, IEEE First International Workshop on Data Intensive Sensor Networks "DISN" **(MDM 2007 Workshops)**, Mannheim, Germany, pp. 351-355, ISBN: 1-4244-1241-2, IEEE Computer Society, May 11, **2007**.

C17. **"Intensive Care Window: A multi-modal monitoring tool for Intensive Care Research and Practice"**, Harald Gjermundrod, Marios Papa, **Demetrios Zeinalipour-Yazti**, Marios D. Dikaiakos, George Panayi, Theodoros Kyprianou,*20th IEEE International Symposium on Computer-Based Medical Systems* **(CBMS 2007)**, IEEE Computer Society ISBN 0-7695-2905-4, pp. 471-476, June 20-22, Maribor, Slovenia, **2007**.

C16. **"ICGrid: Enabling Intensive Care Medical Research on the EGEE Grid"**, Harald Gjermundrod, Marios D. Dikaiakos, **Demetrios Zeinalipour-Yazti**, George Panayi, Theodoros Kyprianou, 5th HealthGrid Conference **(HealthGrid 2007)**, April 24-27, pp. 248-257, IOS Press, **2007**.

C15. **"MINT Views: Materialized In Network Top-k Views in Sensor Networks"**, **Demetrios Zeinalipour-Yazti**, Panayiotis Andreou, Panos K. Chrysanthis, George Samaras, *IEEE/ACM 8th International Conference on Mobile Data Management* **(MDM 2007)**, Mannheim, Germany, May 7 - 11, ISBN 14244-1240-4, pp. 182-189, IEEE Press, **2007**. **[Acceptance Rate: 28.5%]**

C14. **"Distributed Spatio-Temporal Trajectory Retrieval"**, **Demetrios Zeinalipour-Yazti**, Song Lin, Dimitrios Gunopulos, *ACM 15th Conference on Information and Knowledge Management* **(CIKM 2006)**, November 6-11, Arlington, VA, USA, pp. 14-23, ACM Press, ISBN 1-59593-433-2, **2006**. **[Acceptance Rate: 15% (81/537)]**

C13. **"Efficient Online State Tracking Using Sensor Networks"**, Maria Halkidi, Vana Kalogeraki, Dimitrios Gunopulos, Dimitris Papadopoulos, **Demetrios Zeinalipour-Yazti** and Michail Vlachos *IEEE/ACM 7th International Conference on Mobile Data Management* **(MDM 2006)**, Nara, Japan, May 10-12, p. 24-32, **2006**. **[Acceptance Rate: 23% (27/117)]**

C12. **"MicroHash: An Efficient Index for Sensor Nodes with External Flash Memories"**, **Demetrios Zeinalipour-Yazti**, Song Lin, Vana Kalogeraki, Dimitrios Gunopulos, Walid Najjar, *4th USENIX Conference on File and Storage Technologies* **(FAST 2005)**, San Francisco, CA, December 14-16, pp. 31-44, **2005**. **[Acceptance Rate: 20% (25/125)]**

C11. **"The Threshold Join Algorithm for Top-k Queries in Distributed Sensor Networks"**, **Demetrios Zeinalipour-Yazti**, Zografoula Vagena, Dimitrios Gunopulos, Vana Kalogeraki, Vassilis Tsotras, Michail Vlachos, Nick Koudas, Divesh Srivastava, 2nd *Intl. Workshop on Data Management for Sensor Networks "DMSN"* **(VLDB 2005 Workshops)**, Trondheim, Norway, ACM Intl. Conference Proceeding Series; Volume 96, pp. 61-66, **2005**.

C10. **RISE Co-S : High Performance Sensor Storage and Co-Processing Architecture**, Anirban Banerjee, Abhishek Mitra, Walid Najjar, **Demetrios Zeinalipour-Yazti**, Vana

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V. TALKS

PANELS

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- **Panel Co-Chair**, *"Human Mobility Computing and Privacy: Fad or Reality?"*, *16th IEEE International Conference on Mobile Data Management (MDM '15), The 3rd International Workshop On Human Mobility Computing And Privacy (HuMoComP 2015)*, held in conjunction with IEEE MDM'15, June 15, 2015 - Pittsburgh, Pennsylvania, USA.

- **Panel Co-Chair**, *"Mobile Big Data Analytics: Research, Practice and Opportunities"*, *15th IEEE International Conference on Mobile Data Management (MDM '14)*, Mobile Data Management 15-18 July, 2014, Brisbane, Australia.

- **Panelist**, *"Large-Scale Participatory Urban Sensing: A Fad or Reality?"*, *14th IEEE International Conference on Mobile Data Management (MDM '13)*, Milan, Italy. Panel Moderators: Archan Misra (SMU, Singapore), Juha Laurila (Nokia Research, Switzerland).

- **Panel Co-Chair**, *"Future Directions in Sensor Data Management: A Panel Discussion"*, (**DMSN 2010**), collocated with VLDB'10, Singapore, Sept. 13, 2010, Panelists: Yanlei Diao (Univ. of Massachussets - Amherst, USA), Le Gruenwald (National Science Foundation, USA), Christian S. Jensen (University of Aarhus, Denmark), Kian-Lee Tan (National University of Singapore, Singapore), Proceedings of the 7th Workshop on Data Management for Sensor Networks, in conjunction with VLDB, DMSN 2010, Singapore, September 13, 2010. ACM International Conference Proceeding Series ACM 2010, ISBN 978-1-4503-0416-0.

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INVITED LECTURES and TUTORIALS

- **Invited Talk**, *"Indoor Data Management in Anyplace"*, University of Pittsburgh, PA, USA, June 24, **2015**.

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- **Invited Talk**, *"Distributed Top-K Ranking Algorithms"*, Communication Systems Group (CSG), ETH Zurich, Switzerland, December 12, **2008**.

- **Invited Talk**, *"MicroHash - An External Memory Indexing Structure for Wireless Sensor Devices"*, IBM Research, Zurich, Switzerland, December 12, **2008**.

- **Invited Tutorial**, *Distributed Top-K Query Processing"*, Demetrios Zeinalipour-Yazti and Zografoula Vagena, IEEE/ACM 9th International Conference on Mobile Data Management (MDM 2008), Beijing, China, April 27-30, **2008**. (3 hours).

- **Invited Talk**, *"MicroHash - An External Memory Indexing Structure for Wireless Sensor Devices"*, Microsoft Research Cambridge, January 12, **2008**.

- **Invited Tutorial**, *"Distributed Spatio-Temporal Similarity Search"*, Thematic Network for Doctoral Education in Computing, Summer School on Intelligent Systems, Nicosia, Cyprus, July 4, **2007**. (3 hours).

- **Invited Talk**, *"Content-Based Search in Internet-Scale Peer-to-Peer Systems"*, KTH - Royal Institute of Technology, Stockholm, Sweden, December 28, **2006**.

- **Invited TV Presentation**, *"ICGrid: Intensive Care Grid"*, The Best Practice Award Video produced by the Academic Internet Television Network (ATVN) for the EMISPHER project, Oct 4, **2006**.
  (http://www.atvn.pl/atvn-eu-gp/euarchive/)

- **Invited Talk**, *"Top-K Query Processing Techniques for Distributed Environments"*, Institute of Computer Science, FORTH, Herakleion, Greece, June 7, **2006**.

OTHER LECTURES & PRESENTATIONS

- **Presentation**, *"Hour of Code in Elementary Schools"*, December 9, 2014, 4th Elementary School of Latsia, Nicosia, Cyprus, **2014**.

- **Presentation**, *"Crowdsourced Indoor Localization and Navigation with Anyplace"*, 13th international conference on Information processing in sensor networks (IPSN '14), April 16, **2014**.

- **Presentation**, *"Sensor Mockup Experiments with SmartLab"*, 13th international conference on Information processing in sensor networks (IPSN '14), April 16, **2014**.

- **Presentation**, *"Managing Smartphone Testbeds with SmartLab"*, 27th USENIX Large Installation System Administration Conference ' (LISA '13), Washington D.C., USA, November 7, **2013**.

- **Presentation**, *"Spatio-Temporal WiFi Localization"*, Final Conference of MOVE COST Action IC903, Vienna, Austria, Sept 30 - Oct 1, 2013, October 1, **2013**.

- **Presentation**, *"Smartphone Data Management: Frameworks and Applications"*, ERCIM Spring Meeting 2013, June 6, 2013, Nicosia Cyprus, June 6, **2013**.

- **Presentation**, *"CLODA: A Crowdsourced Linked Open Data Architecture"*, 1st IEEE Intl. Workshop on Mobile Data Management, Mining, and Computing on Social Networks (MobiSocial) with IEEE MDM '13, June 3, 2013, Milan Italy, June 3, **2013**.

- **Lecture**, *"Cloud Computing and Data Management"*, New Technologies and their utilization in Cyprus Information Centers, November 8, University of Cyprus Library and , **2012**.

- **Lecture**, *"Systems and Networks Direction in Computer Science"*, course: "EPL202 - Exploration in Computer Science", Undergraduate Course, Department of Computer Science, University of Cyprus, Nicosia, Cyprus, November 8, **2012**.

- **Lecture**, *"Data Management in Smartphone Networks"*, course: "EPL202 - Exploration in Computer Science", Undergraduate Course, Department of Computer Science, University of Cyprus, Nicosia, Cyprus, September 15, **2011**.

- **Presentation**, *"Data Management in Smartphone Networks (for High School Students)"*, 2nd Computer Science Day for High School Students, University of Cyprus, Nicosia, Cyprus, March 19, **2011**.

- **Lecture**, *"Query Routing Trees in Wireless Sensor Networks"*, course: "EPL 671 - Computer Science: Research and Technology", Graduate Course, Department of Computer Science, University of Cyprus, Nicosia, Cyprus, Feb 15, **2011**.

- **Presentation**, *"MHS: Minimum-Hot-Spot Query Trees for Wireless Sensor Networks"*, the 9th Hellenic Data Management Symposium (HDMS 2010), Ayia Napa, Cyprus, June 30th - July 3, **2010**.

- **Presentation**, *"MHS: Minimum-Hot-Spot Query Trees for Wireless Sensor Networks"*, 9th International ACM Workshop on Data Engineering for Wireless and Mobile Access (MobiDE'10), Indianapolis, Indiana, USA, in conjunction with SIGMOD/PODS, June 6, **2010**.

- **Presentation**, *"MDM'10: Program Report"*, 11th International Conference on Mobile Data Management (MDM 2010), Kansas City, Missouri, May 25, **2010**.

- **Presentation**, *"Introduction to Databases (for High School Students)"*, Computer Science Day for High School Students, University of Cyprus, Nicosia, Cyprus, March 8, **2010**.

- **Lecture**, *"Introduction to Databases"*, course: "EPL202 - Exploration in Computer Science", Undergraduate Course, Department of Computer Science, University of Cyprus, Nicosia, Cyprus, September 30, **2009**.

- **Presentation**, *"FSort: External Sorting on Flash-based Sensor Devices"*, DMSN'09 workshop, collocated with VLDB'09, Lyon, France, August 24, **2009**.

- **Presentation**, *"Perimeter-based Data Acquisition and Replication in Mobile Sensor Networks"*,The 10th International Conference on Mobile Data Management (MDM'09), Tapei, Taiwan, May 20, **2009**.

- **Presentation**, *"ETC: Energy-driven Tree Construction in Wireless Sensor Networks"*, SenTIE'09 workshop, collocated with MDM'09, Tapei, Taiwan, May 20, **2009**.

- **Lecture**, *"Peer-to-Peer Systems"*, course: "EPL601 - Distributed Systems", Graduate Course, Department of Computer Science, University of Cyprus, Nicosia, Cyprus, November 18, **2008**.

- **Presentation**, *"Indexing and Searching in Wireless Sensor Networks"*, SEARCHiN, Marie Curie TOK, University of Cyprus, Nicosia, Cyprus, February 14th **2008**.

- **Presentation**, *"Grid Failure Monitoring and Ranking using FailRank"*, CoreGRID Network of Excellence Workshop, Paris, France, January 15th **2007**.

- **Presentation**, *"ICGrid: Towards a Grid Infrastructure for Intensive Care Units"*, Cyprus Grid Day, January 10, **2008**.

- **Lecture**, *"Peer-to-Peer Systems"*, course: "EPL601 - Distributed Systems", Graduate Course, Department of Computer Science, University of Cyprus, Nicosia, Cyprus, November 16, **2007**.

- **Presentation**, *"SenseSwarm: A Perimeter-based Data Acquisition Framework for Mobile Sensor Networks"*, The 4th Intl. Workshop on Data Management for Sensor Networks (with VLDB'2007), Vienna, Austria, Sep. 24, **2007**.

- **Presentation**, *"MINT Views: Materialized In-Network Top-k Views in Sensor Networks"*, The 6th Hellenic Data Management Symposium (HDMS'07), Athens, Greece, July 5th **2007**.

- **Presentation**, *"Distributed Spatio-Temporal Similarity Search"*, The 6th Hellenic Data Management Symposium (HDMS'07), Athens, Greece, July 5th **2007**.

- **Presentation**, *"FailRank: Towards a Unified Grid Failure Monitoring and Ranking System"*, CoreGRID Workshop on Grid Programming Model Grid and P2P Systems Architecture Grid Systems, Tools and Environments , Crete, Greece, June 12th **2007**.

- **Presentation**, *"MINT Views: Materialized In-Network Top-k Views in Sensor Networks"*, IEEE 8th International Conference on Mobile Data Management, Mannheim, Germany, May 10th **2007**.

- **Presentation**, *"The MicroPulse Framework for Adaptive Waking Windows in Sensor Networks"*, IEEE First International Workshop on Data Intensive Sensor Networks 2007 (with MDM'2007), Mannheim, Germany, May 11th **2007**.

- **Lecture**, *"Efficient Indexing Structures for Flash-Based Sensor Devices"*, course: "EPL 651 - Data Management for Mobile Computing", Graduate Course, Department of Computer Science, University of Cyprus, Nicosia, Cyprus, April 26, **2007**.

- **Lecture**, *"Top-K Algorithms: Concepts and Applications"*, course: "EPL 671 - Computer Science: Research and Technology", Graduate Course, Department of Computer Science, University of Cyprus, Nicosia, Cyprus, March 20, **2007**.

- **Demo Presentation**, *"ICGrid: Intensive Care Grid"*, CoreGRID Industrial Conference, Sophia Antipolis, France, Nov 30, **2006**.

- **Lecture**, *"Peer-to-Peer Systems"*, course: "EPL601 - Distributed Systems", Graduate Course, Department of Computer Science, University of Cyprus, Nicosia, Cyprus, October 13, **2006**.

- **Presentation**, *"Business Processes: Behavior Prediction and Capturing Reasons for Evolution"*, 8th International Conference on Enterprise Information Systems", Paphos, Cyprus, May 24, **2006**.

- **Lecture**, *"MicroHash: An External Memory Indexing Structure for Wireless Sensor Devices"*, Computer Science Colloquium Series, University of Cyprus, Nicosia, Cyprus, March 31, **2006**.

- **Lecture**, *"Data Storage in Sensor Databases"*, eNEXT Workshop on Sensor and Ad-hoc Networks, Nicosia, Cyprus, March 14, **2006**.

- **Lecture**, *"Global Internet Content Delivery"*, course: "EPL602 - Graduate Course in Programming of Internet Systems and Services", Graduate Course, Department of Computer Science, University of Cyprus, Nicosia, Cyprus, November 22nd, **2005**.

- **Lecture**, *"Distributed Top-K Query Processing"*, Computer Science Colloquium Series, University of Cyprus, Nicosia, Cyprus, November 16, **2005**.

- **Presentation**, *"On Constructing Internet-Scale P2P Information Retrieval Systems"*, DBISP2P'04 (VLDB Conference), Toronto ON, Canada, September **2004**.

- **Poster Presentations** at Industry Day, Riverside CA, USA, (2002-2005).

- **Poster Presentations** at UCR Advisory Day, Riverside CA, USA, (2002-2005).

- **Presentation**, *"A Local Search Mechanism for Peer-to-Peer Networks"*, ACM CIKM'02, McLean VA, USA, November **2002**.

- **Lecture**, *"A Quantitative Analysis of the Gnutella Network Traffic"*, UCY Lunch-Seminar, Nicosia, Cyprus, July **2002**.

- **TV Presentations** on Internet Technology at CyBC (Cyprus National TV), Nicosia, Cyprus, **2000**.

VI.   RESEARCH AND DEVELOPMENT PROJECTS

- **2012-2013 (Mangement Committee (MC) Member): Autonomous Control for a Reliable Internet of Services (ACROSS)**, COST Action IC1304, European Cooperation in Science and Technology, http://www.move-cost.info/.

- **06/2015-6/2016 (PI):** "Big Data Processing in Telcommunication Datacenters", MTN Cyprus Ltd., Cyprus.

- **2014 (PI):** "New Researcher Program", University of Cyprus, PhD Fellowship for C. Costa, Advisor: Demetrios Zeinalipour-Yazti.

- **01/2014-12/2014 (PI):** "Spatio-Temporal Mobile Data Management", Geomatic Technologies Ltd., Cyprus.

- **01/2014-12/2016 (PI):** "Mobile System Research and Education", DMS laboratory sponsorship by MTN Cyprus.

- **11/2012-12/2013 (PI):** "AppCampus Award: Rayzit", Industrial Grant by Aalto University, Microsoft, Nokia.

- **07/2012-11/2012 (co-PI):** "Hybrid Indoor Positioning on Multi-Sensor Android Smartphones", Industrial NRE by Cywee Entertainment Group Ltd., Taiwan (in collaboration with KIOS Research Center, University of Cyprus.

- **2012-2013 (Mangement Committee (MC) Member): Knowledge Discovery from Moving Objects (MOVE)**, COST Action IC0903, European Cooperation in Science and Technology, http://www.move-cost.info/.

- **2012-2013 (Associate Partner): Planet-Data Network of Excellence on Large Scale Data Management** - http://www.planet-data.eu/.

- **2009-2012 (Associate Partner): MODAP (Mobility, Data Mining and Privacy)** Project, funded by EU FET-OPEN 2009-2012 - http://www.modap.org/.

- **2011-2013 (co-PI): eMammoth - Compute and Store on Grids and Clouds infrastructures**, funded by Cyprus Research Promotion Foundation, /0609/09, University of Cyprus.

- **2011-2013 (co-PI): VSense: Vehicular Sensor Networks**, funded by Cyprus Research Promotion Foundation, 2011, University of Cyprus, University of Nicosia Research Foundation, Rutgers University and University of Thessaly, who bring world-class expertise in research areas related to VSNs.

- **2010-2011 (PI): MobNet: A Mobile Programming Cloud for Data Management Research**, University of Cyprus, Startup Grant, Demetrios Zeinalipour-Yazti (PI).

- **02/2006-02/2010** (Collaborator), "AQSIOS: Algorithms and Metrics for New Generation Data Stream Management Systems", IIS-0534531 (PI: Panos K. Chrysanthis; Co-PIs: Alexandros Labrinidis, Kirk Pruhs)

- **2008-2009 (PI): SenseView: An Energy Efficient Data Acquisition Framework for Wireless Sensor Networks**, Open University of Cyprus Research Projects, Demetrios Zeinalipour-Yazti (PI), Dimitrios Gunopulos (UCR), Vana Kalogeraki (UCR), Panos Chrysanthis (Uni. of Pittsburgh), George Samaras (Uni. of Cyprus).

- **2010-2014 (participant): EGI-InSPIRE project (Integrated Sustainable Pan-European Infrastructure for Researchers in Europe)**, co-funded by the European Commission FP7, contract number: RI-261323), as a collaborative effort involving more than 50 institutions in over 40 countries. Its mission is to establish a sustainable European Grid Infrastructure (EGI).
  http://www.egi.eu/projects/egi-inspire/.

- **2008-2012 (participant): Cooperating Objects Network Of Excellence**, EU-funded project under ICT FP7, **Award: 4M Euros**, Partners: UNIPI, ETHZ, SICS, UCY, ISEP-IPP, SAP, SCHNEIDER, AICIA, UPO, TI, AICIA, http://www.cooperating-objects.eu/.

- **2006-2010 (co-PI): SEARCHiN: SEARCHing in a Networked world**, Marie Curie Host Fellowships for the Transfer of Knowledge (ToK),Marie Curie Actions, CORDIS, European Commission, **Award: 436,583.93 Euros**, M. D. Dikaiakos (UCY), Demetrios Zeinalipour-Yazti (UCY), Y. Dimopoulos (UCY), Yannis Ioannidis (University of Athens), Rizos Sakellariou (Univ. of Manchester), Norman Paton (Univ. of Manchester), Carole Goble (Univ. of Manchester),
  http://grid.ucy.ac.cy/SEARCHiN/.

- **2006 - 2010 (participant): EU Enabling Grids for E-sciencE (EGEE)**, #IST-2003-508833, Information Society Technologies.

- **2008 (PI): An Experimental Evaluation of the FailRank Grid Monitoring and Ranking System**, *EU CoreGRID Network of Excellence Research Exchange Program (REP)*, #IST-2002-004265, European Research Network on Foundations, Software Infrastructures and Applications for large scale distributed, GRID and Peer-to-Peer Technologies, Artur Andrzejak (Zuse Institute Berlin, Germany), Demetrios Zeinalipour-Yazti (OUC), Chryssis Georgiou (UCY), Marios D. Dikaiakos (UCY), Exchange Researcher: Dr. Artur Andrzejak ((Zuse Institute Berlin, Germany).

- **2008 (PI): Enhancing FailRank by Machine Learning Methods**, *EU CoreGRID Network of Excellence Research Exchange Program (REP)*, #IST-2002-004265, European Research Network on Foundations, Software Infrastructures and Applications for large scale distributed, GRID and Peer-to-Peer Technologies, Demetrios Zeinalipour-Yazti (OUC), Chryssis Georgiou (UCY), Marios D. Dikaiakos (UCY), Vivi Fragopoulou (ICS/FORTH), Evangelos Markatos (ICS/FORTH and Univ. of Crete), Exchange Researcher: Harris Papadakis (ICS/FORTH and Univ. of Crete).

- **2004 - 2008 (participant): EU CoreGRID Network of Excellence**, #IST-2002-004265, European Research Network on Foundations, Software Infrastructures and Applications for large scale distributed, GRID and Peer-to-Peer Technologies.

- **2002 - 2005 (participant):** US National Science Foundation #0220148, **"Understanding Change in Spatiotemporal Data"**.

- **2004 - 2005 (participant):** US National Science Foundation #0330481, **"An Adaptive and Scalable Architecture for Dynamic Sensor Networks"**.

- **2000 - 2001 (young investigator):** Cyprus Research Promotion Foundation (PENEK 23/2000), **"An extensible Retrieval, Annotation and Caching Engine"**.

VII.   UNIVERSITY AND PUBLIC SERVICE

- **Independent Expert** (Computer Science), Cyprus Council for the Recognition of Higher Education Qualifications (KY.S.A.T.S), 07/2015-12/2015.

- **Judge**, MTN Innovation Challenge 2, MTN Cyprus, http://www.mtn-ic.com.cy/, 5/2015 - 10/2015.

- **Judge**, MTN Innovation Challenge, MTN Cyprus, http://www.mtn-ic.com.cy/, 5/2014 - 10/2014.

- **Member**, Special Technical Committee, Higher Education Program Registration, Ministry of Education, 3/2014-7/2014.

- **Coordinator**, Requirement Specification Committee: "Upgrading and Extending the Network Infrastructure" action, e-University Project, University of Cyprus, 1/2013-current.

- **Trainer**, "National Olympiad 2013 Camp - University of Cyprus", Programming and Algorithms, 2013.

- **Coordinator**, Computer Engineering Committee, Cyprus Council for the Recognition of Higher Education Qualifications (KY.S.A.T.S), 01/2013-05/2015.

- **Trainer**, "National Olympiad 2012 Camp - University of Cyprus", Programming and Algorithms 2012.

- **Exam Preparator**, "IT Officer in Web Application Development" position, Open University of Cyprus , 2011.

- **Scientific Team Member**, "1974 Turkish Invasion Missing Persons Registry", with M. Dikaiakos and P. Tsimpoglou, 2011.

- **Exam Preparator**, "National Entrance Exam for Public Universities (Computer Science)", Ministry of Education, 2011.

- **Exam Preparator**, "Cyprus Goverment IT Officer" position, Ministry of Education, 2010.
- **Board Member**, Center for Teaching and Learning (KEDIMA) Committee, Representative for the School of Pure and Applied Sciences, 2009-current
- **Exam Preparator**, "University Officer" position, Open University of Cyprus, 2008, 2009.
- **Member**, Hiring Committee for one "Assistant Information Technology Officer" position, Open University of Cyprus, February 2008.
- **Member**, Hiring Committee for five "Part Time Educational Personnel" positions, Open University of Cyprus, July 2007.
- **Member**, Hiring Committee for two "Information Technology Officer" positions, Open University of Cyprus, August 2007.
- **Member**, Hiring Committee for one "Assistant Information Technology Officer" position, Open University of Cyprus, August 2007.
- **Founder**, The eClass Learning Management System at the Open University of Cyprus (http://eclass.ouc.ac.cy/), 2007.

VIII. DEPARTMENTAL SERVICE

- **Coordinator**, 1st National Hour-of-Code (code.org) Initiative with Microsoft Cyprus and the Education Departments of UCY and Frederick (http://code.org/), December 2014.
- **Steering Committee**, 7th National Logipaignion Contest for Elementary and High School Students, http://logipaignion.cs.ucy.ac.cy/2015, 2015.
- **Chair**, 6th National Logipaignion Contest for Elementary and High School Students, http://logipaignion.cs.ucy.ac.cy/2014, 2014.
- **Judge**, hack Cyprus contest, University of Cyprus, 2013.
- **Board Member** (systems), "Department of Computer Science Board for Logipaignion Contest", with V. Vassiliou, G. Pallis, 2013.
- **Board Member**, "Department of Computer Science Board for Field Olympics", with Y. Sazeides and G. Papadopoulos, 2011.
- **Board Member** (systems), "Department of Computer Science Board for Logipaignion Contest", with V. Vassiliou, G. Pallis, 2011.
- **Member**, Requirement Specification Board for a 50TB Storage Server, University if Cyprus, PLH109/10, 2010.
- **Systems Committee**, Departmental Committee for systems planning and coordination, 2010-current.
- **Curriculumn Developer**, Restructing sequence/material of undegraduate courses EPL131, EPL132, EPL231, EPL233, 2010.
- **Co-Chair**, Logipaignion Organizing Committee, http://www.logipaignion.cs.ucy.ac.cy/, 2010.
- **Chair**, Requirement Specification Board 30 Smartphone Devices, University if Cyprus, PLH086/10, 2010.
- **Coordinator**, Computer Science Colloquium Series at the University of Cyprus (http://www.cs.ucy.ac.cy/colloquium/), 2009-current.
- **Member**, Graduate Program Committee, Master in Information Systems, Open University of Cyprus September 2008.
- **Founder and Webmaster** of the Master in Information Systems CMS (http://is.ouc.ac.cy/), 2008.
- **Member**, Search Committee for "PhD candidates", Open University of Cyprus, September 2008.

- **Member**, Search Committee for three "Graduate Research Assistant" positions, Open University of Cyprus, August 2008.
- **Member**, Committee for establishing the "Graduate Admission Criteria in Information Systems", Master in Information Systems, Open University of Cyprus 2007.

IX.   PROFESSIONAL ACTIVITY & MEMBERSHIPS

- **Organizing Committee Member:**

  - **PC Co-Chair** [with Konstantinos Pelechrinis (Univ. of Pittsburgh, USA), Adam J. Lee (Univ. of Pittsburgh, USA) and Manolis Terrovitis (IMIS Athena, Greece)]: 3rd International Workshop On Human Mobility Computing and Privacy (HuMoComP 2015), held in conjunction with the 16th IEEE MDM 2015, June 18, 2015 - Pittsburgh, PA, USA, **2015**.
  - **Workshops Co-Chair** [with Wang-Chien Lee (Univ. of Pennsylvania, USA)]: 16th IEEE International Conference on Mobile Data Management (MDM'15), June 18, 2015 - Pittsburgh, PA, USA, **2015**.
  - **Panel Co-Chair** [with Shonali Krishnaswamy (I2R, Singapore)]: 15th IEEE International Conference on Mobile Data Management (MDM'14), Brisbane, Australia, July 14-18, **2014**.
  - **Demo Co-Chair** : 14th IEEE International Conference on Mobile Data Management (MDM'13). Milan, Italy, **2013**.
  - **Publicity and Session Chair**: 13th International Conference on Web Information System Engineering (WISE'12), Paphos, Cyprus, November 28-30, **2012**.
  - **Steering Committee Member** : 10th International ACM Workshop on Data Engineering for Wireless and Mobile Access (MobiDE'11), collocated with ACM SIGMOD, Athens, Greece, June 12, **2011**.
  - **General Co-Chair** [with Wang-Chien Lee (Univ. of Pennsylvania, USA)]: DMSN 2011 - The 8th International Workshop on Data Management for Sensor Systems (DMSN'11), collocated with VLDB'11, Westin, Seattle, WA, Aug. 29, **2011**.
  - **Poster Co-Chair** [with Alexandros Labrinidis (Univ. of Pittsburgh, USA) and Vassilis Vassalos (AUEB, Greece)]: HDMS 2010 - 9th Hellenic Data Management Symposium, Ayia Napa, Cyprus, June 30th - July 3, **2010**.
  - **General Co-Chair** [with Phillip B. Gibbons (Intel Labs Pittsburgh, USA)]: 9th International ACM Workshop on Data Engineering for Wireless and Mobile Access (MobiDE'10), collocated with ACM SIGMOD, Indianapolis, Indiana, USA, June 6-11, **2010**.
  - **Contest Organization Chair**: The 10th IEEE International Conference on Data Mining (ICDM'10), Sydney, Australia, December 13-17, **2010**.
  - **Program Committee Co-Chair** [with Wang-Chien Lee (Penn State Univ., USA)]: The 7th International Workshop on Data Management for Sensor Networks (DMSN'10), collocated with VLDB'10, Singapore, Sept. 13, **2010**.
  - **Organizing Chair and Session Chair**: 9th Helenic Data Management Symposium (HDMS'10), Ayia Napa, Cyprus, **2010**.
  - **Program Committee Co-Chair** [with Vijay Kumar (Univ. of Missouri - Kansas City, USA) and Takahiro Hara (Osaka Univ, Japan)]: 11th International Conference on Mobile Data Management (MDM'10), Kansas City, Missouri, USA, May 23rd to May 26, **2010**.
  - **Program Committee Co-Chair** [with Le Gruenwald (Univ. of Oklahoma , USA)]: 8th International ACM Workshop on Data Engineering for Wireless and Mobile Access (MobiDE'09), collocated with ACM SIGMOD, Providence, Rhode Island, USA, ,June 29, **2009**.

- **Publicity Chair**: 7th International ACM Workshop on Data Engineering for Wireless and Mobile Access (MobiDE'08), collocated with ACM SIGMOD, Vancouver, Canada, June 13, **2008**.
- **Session Chair**: Wireless Networks session, 12th IEEE International Conference on Mobile Data Management (MDM'11), 6-9 June, Lule, Sweden, **2011**.
- **Session Chair**: Modeling and Programming Sensor Networks session, 4th Intl. Workshop on Data Management for Sensor Networks (DMSN), in conjunction with the Very Large Data Base Conference, Vienna, Austria, September **2007**.
- **Session Chair**: Fault tolerance and Dependability session, CoreGRID Workshop on Grid Programming Models and P2P Systems Architecture (Coregrid), Heraklion, Crete, Greece, June 12-13, **2007**.

- **Program Committee Member:**

  <u>2016</u>
  - **TPC Member**, IEEE 32nd International Conference on Data Engineering (**IEEE ICDE'16**), Helsinki, Finland, April 7-11, **2016**.
  - **TPC Member**, 19th International Conference on Extending Database Technology (**EDBT'16**), Bordeaux, France, March 15-18, **2016**.

  <u>2015</u>
  - **TPC Member**, The 7th ACM SIGSpatial International Workshop Indoor Spatial Awareness (**ISA'15**), in conjunction with ACM SIGSpatial Conference 2015, Seattle Washington, USA, November 3, **2015**.
  - **TPC Member**, The 34th International Conference on Management of Data ACM SIGMOD (**SIGMOD'15**), Research Track, Melbourne, Australia, May 31 - June 4, **2015**.
  - **TPC Member**, The 16th IEEE International Conference on Mobile Data Management (**IEEE MDM'15**), Pittsburgh, USA, June 14-18, **2015**.
  - **TPC Member**, The European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (**ECML/PKDD'15**), Porto, Portugal, September 7-11, **2015**.
  - **TPC Member**, 2nd International Workshop on Exploratory Search in Databases and the Web (**ExploreDB 2015**), Melbourne, Australia, May 31, 2015, co-located with ACM SIGMOD 2015.
  - **TPC Member**, 3rd International Workshop on Mobile Data Management, Mining, and Computing on Social Networks (MobiSocial 2015), co-located with IEEE MDM'15, Pittsburgh, PA, USA, June 15, **2015**.
  - **TPC Member**, 13th Hellenic Data Management Symposium (**HDMS'15**), Athens, Greece, July 30-31, **2015**.
  - **TPC Member**, IEEE 2nd IEEE International Symposium on Dependable Computing and Internet of Things (**DCIT 2015**), Wuhan, China, Nov 16-18, **2015**.
  - **TPC Member**, 5th International Conference on Model & Data Engineering (MEDI 2015) Island of Rhodes, Greece, 26-28 September 2015.

  <u>2014</u>
  - **TPC Member**, The European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (**ECML/PKDD'14**), Nancy, France, September 15-19, **2014**.
  - **TPC Member**, 2nd International Workshop on Mobile Data Management, Mining, and Computing on Social Networks (MobiSocial 2014), co-located with PAKDD, Tainan, Taiwan, May 13, **2014**.
  - **TPC Member**, The 15th IEEE International Conference on Mobile Data Management (**IEEE MDM'14**), Brisbane, Australia, July 14-18, **2014**.

- **TPC Member**, 1st International Workshop on Mining Urban Data (MUD 2014) (http://www.insight-ict.eu/mud/), Athens, Greece, March 28, 2014, co-located with EDBT/ICDT 2014.
- **TPC Member**, 1st International Workshop on Exploratory Search in Databases and the Web (ExploreDB 2014) (https://sites.google.com/site/pucaaworkshop2013/), Athens, Greece, March 28, 2014, co-located with EDBT/ICDT 2014.
- **TPC Member**, The 2014 ACM SIGMOD International Conference on Management of Data (**SIGMOD'14**), Demo Track, Snowbird, USA, June 22-27, **2014**.
- **TPC Member**, IEEE 30th International Conference on Data Engineering (**IEEE ICDE'14**), Chicago, IL, USA, April 7-11, **2014**.
  2013
- **TPC Member**, 1st International Workshop on Pervasive Urban Crowdsensing Architecture and Applications (PUCAA 2013) (https://sites.google.com/site/pucaaworkshop2013/), which wiill be held on September 9th, 2013 in Zurich, Switzerland in conjunction with Ubicomp 2013.
- **TPC Member**, 2nd International Workshop on Big Data, Streams and Heterogeneous Source Mining: Algorithms, Systems, Programming Models and Applications (**BigMine'13**), collocated with ACM KDD 2013, Chicago, IL, USA, August 11-14, **2013**.
- **TPC Member**, 2nd International Workshop on Big Data, Streams and Heterogeneous Source Mining: Algorithms, Systems, Programming Models and Applications (**BigMine'13**), collocated with ACM KDD 2013, Chicago, IL, USA, August 11-14, **2013**.
- **TPC Member**, IEEE International Workshop on Mobile Data Management, Mining, and Computing on Social Networks (MobiSocial 2013), in conjunction with IEEE MDM'13, Milan, Italy, June 3-6, **2013**.
- **TPC Member**, The 2013 ACM SIGMOD International Conference on Management of Data (**SIGMOD'13**), Demo Track, New York, USA, June 22-27, **2013**.
- **TPC Member**, The 14th IEEE International Conference on Mobile Data Management (**IEEE MDM'13**), Milan, Italy, June 3-6, **2013**.
- **TPC Member**, The 39th International Conference on Very Large Databases (**VLDB'13**), Demo Track, Riva del Garda, Trento, August 26th - 31st, **2013**.
- **TPC Member**, IEEE 29th International Conference on Data Engineering (**IEEE ICDE'13**), Brisbane, Australia, April 8-11, **2013**.
  2012
- **TPC Member**, 1st International Workshop on Big Data, Streams and Heterogeneous Source Mining: Algorithms, Systems, Programming Models and Applications (**BigMine'12**), collocated with ACM KDD 2012, Beijing, China, August 12, **2012**.
- **TPC Member**, The 1st International Workshop on Data Management in Participatory Sensing (**DMPS'12**), collocated with IEEE MDM, Bengaluru, India, July 23-26, **2012**.
- **TPC Member**, The 11th International ACM Workshop on Data Engineering for Wireless and Mobile Access (**ACM MobiDE'12**), collocated with ACM SIGMOD, Scottsdale, Arizona, USA, May 20th, **2012**.
- **TPC Member**, 11th Hellenic Data Management Symposium (**HDMS'12**), Chania, Greece, June, **2012**.
- **TPC Member**, The 13th International Conference on Mobile Data Management (**IEEE MDM'12**), Bangalore, India, July 23-26, **2012**.
- **TPC Member**, The 2012 ACM SIGMOD International Conference on Management of Data (**SIGMOD'12**), Demo Track, Scottsdale, Arizona, USA, May 20, 2012 - May 25, **2012**.'
  2011
- **TPC Member**, The European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (**ECML/PKDD'11**), Athens, Greece, 5-9 September **2011**.

- **TPC Member**, The 17th Annual ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (**ACM SIGKDD'11**), San Diego, California, USA, August **2011**.
- **TPC Member**, 6th International Workshop on Using P2P, Grid and Agents for the Development of Content Networks (**UPGRADE-CN'11**), collocated with CCGrid 2011, Newport Beach, CA, USA, May 23-26 **2011**.
- **TPC Member**, 1st Workshop on New Trends in Similarity Search (**NTSS'11**), collocated with the EDBT 2011 Conference, Uppsala, Sweden, March 21-25, **2011**.
- **TPC Member**, 10th Hellenic Data Management Symposium (**HDMS'11**), Athens, Greece, June 17-18, **2011**.
- **TPC Member**, The 10th International ACM Workshop on Data Engineering for Wireless and Mobile Access (**ACM MobiDE'11**), collocated with ACM SIGMOD, Athens, Greece, June 12-16, **2011**.
- **TPC Member**, The 2011 International Conference on Collaboration Technologies and Systems (**CTS'11**), Philadelphia, Pennsylvania, USA, May 23-27, **2011**.
- **TPC Member**, The 12th International Conference on Mobile Data Management (**IEEE MDM'11**), Lule, Sweden, June 6th to June 9, proceedings by IEEE Computer Society, **2011**.
- **TPC Member**, IEEE 27th International Conference on Data Engineering (**IEEE ICDE'11**), Hannover, Germany, April 11-15, **2011**.

2010

- **TPC Member**, 9th Hellenic Data Management Symposium (**HDMS'10**), Ayia Napa, Cyprus, June 30th - July 3, **2010**.
- **TPC Member**, IEEE 10th IEEE International Conference on Data Mining (**IEEE ICDM'10**), Sydney, Australia, December 13-17, **2010**.
- **TPC Member**, IEEE 19th ACM International Conference on Information and Knowledge Management (**ACM CIKM'10**), Domain Specific Data Management Track, Toronto, Canada, Oct 27-29, **2010**.
- **TPC Member**, The 9th International Conference on Ontologies, DataBases, and Applications of Semantics
  (**ODBASE'10**), Crete, Greece, Oct 26 - 28, **2010**.
- **TPC Member**, IEEE 4th International Workshop on Sensor Network Technologies for the Information Explosion Era (**SeNTIE'10**), in conjunction with the Mobile Data Management Conference (**IEEE MDM'10**), Kansas City, Missouri, May 23-26, **2010**.
- **TPC Member**, 16th International Euro-Par Conference (**Europar 2010**), proceedings by Springer, Aug. 31st - Sep. 3, 2010, Ischia - Naples, Italy, **2010**.
- **TPC Member**, IEEE 5th International Workshop on Content Delivery Networks (**CDN'10**) in conjunction with the 10th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (**CCGrid'10**), Melbourne, Australia 17-20 May, **2010**.

2009

- **TPC Member**, IEEE's 9th International Conference on Information Technology and Applications in Biomedicine, November 5-7, Larnaca, Cyprus, **2009**.
- **TPC Member**, ICPP's First International Workshop on Distributed XML Processing: Theory and Practice, in conjunction with the 38th International Conference on Parallel Processing (**ICPP'09**), September 22-25, 2009, Vienna, Austria, **2009**.
- **TPC Member**, VLDB's 6th International Workshop on Data Management for Sensor Networks, in conjunction with the Very Large Data Base Conference (**VLDB'09**), Lyon, France, August **2009**.
- **TPC Member**, IEEE 3rd International Workshop on Sensor Network Technologies for the Information Explosion Era (**SeNTIE'09**), in conjunction with the Mobile Data Management Conference (**MDM'09**), Taipei, Taiwan, May 18-21, **2009**.

- **TPC Member**, The 13th Pacific-Asia Conference on Knowledge Discovery and Data Mining (**PAKDD'09**), Bankong, Thailand, April 27th - April 30th **2009**.
- **TPC Member**, IEEE 25th International Conference on Data Engineering (**IEEE ICDE'09**), Demo Program, Shanghai, China, March 29 - April 4, **2009**.
  <u>2008</u>
- **TPC Member**, IEEE 8th International Conference on Data Mining (**IEEE ICDM'08**), Pisa, Italy, December 15-19, **2008**.
- **TPC Member**, IEEE Future Generation Communication and Networking, International Workshop on Peer-to-Peer Computing for Information Search (**P2PSearch'08**), Hainan Island, China, **2008**.
- **TPC Member**, VLDB's 5th International Workshop on Data Management for Sensor Networks, in conjunction with the Very Large Data Base Conference (**VLDB'08**), Auckland, New Zealand, August **2008**.
- **TPC Member**, 2nd International Workshop on Peer-to-Peer Computing for Information Search (**P2PSearch'08**), in conjunction with FGCN 2008, Hainan Island, China, **2008**.
- **TPC Member**, ACM 7th International Workshop on Data Engineering for Wireless and Mobile Access (**ACM MobiDE'08**), in conjunction with the International Conference on Management of Data (**SIGMOD'08**), Vancouver, Canada, **2008**.
- **TPC Member**, IEEE International Workshop on Sensor Network Technologies for the Information Explosion Era (**SeNTIE'08**), in conjunction with the Mobile Data Management Conference (**MDM'08**), Beijing, China, April **2008**.
- **TPC Member**, IEEE International Conference on Sensor Networks, Ubiquitous, and Trustworthy Computing (**SUTC'08**), Taichung, Taiwan, June **2008**.
- **TPC Member**, IEEE 22st International Conference on Advanced Information Networking and Applications (**IEEE AINA'08**), Okinawa, Japan **2008**.
  <u>2007</u>
- **TPC Member**, VLDB's 4th International Workshop on Data Management for Sensor Networks, in conjunction with the Very Large Data Base Conference (**VLDB'07**), Vienna, Austria, September **2007**.
- **TPC Member**, ACM 6th International Workshop on Data Engineering for Wireless and Mobile Access (**ACM MobiDE'07**), in conjunction with the International Conference on Management of Data (**SIGMOD'07**), Beijing, China, **2007**.
- **TPC Member**, IEEE 21st International Conference on Advanced Information Networking and Applications (**IEEE AINA'07**), Internet Computing and Web Applications, Niagara Falls, Canada, **2007**.

- **Referee for Journals and Magazines:**

  - ACM SIGMOD Record (since 2015) - **1 review**
  - ACM Transactions on Autonomous and Adaptive Systems (**ACM TAAS**) Journal (since 2014) - **1 review**
  - ACM Transactions on Intelligent Systems and Technology (**ACM TIST**) Journal (since 2011) - **2 reviews**
  - IEEE Transactions on Knowledge and Data Engineering (**IEEE TKDE**) Journal (since 2005) - **11 reviews**
  - IEEE Transactions on Mobile Computing (**IEEE TMC**) Journal (since 2010) - **2 reviews**
  - IEEE Transactions on Vehicular Technology (**IEEE TVT**) Journal (since 2010) - **1 review**
  - IEEE Transactions on Computers (**IEEE TC**) Journal (since 2010) - **2 reviews**

- IEEE Transactions on Distributed and Parallel Systems (**IEEE TPDS**) Journal (since 2008) - **2 reviews**
- IEEE Transactions on Evolutionary Computation (**IEEE TEC**) Journal (since 2005) - **2 reviews**
- IEEE Internet Computing Magazine (**IEEE IC**) - Special Issue on Cloud Computing (since 2008) - **2 reviews**
- IEEE Network 2005 Magazine (since 2004) - **1 review**
- IEEE Communications Letters (since 2011) - **1 review**
- Springer's Very Large Databases (**VLDB**) Journal (since 2007) - **3 reviews**
- Springer's Distributed and Parallel Databases (**DAPD**) Journal (since 2008) - **3 reviews**
- Springer's Data Mining and Knowledge Discovery (**DMKD**) Journal (since 2005) - **1 review**
- Springer's Knowledge and Information Systems (**KAIS**) Journal (since 2011) - **1 review**
- Elsevier's Information Systems (**InfoSys**) Journal (since 2011) - **2 reviews**
- Elsevier's Ad hoc Networks (**Adhoc**) Journal (since 2005) - **3 reviews**
- Elsevier's Information Sciences (**InfoSciences**) Journal (since 2004) - **4 reviews**
- Elsevier's Computer Communications (**ComCom**) Journal (since 2006) - **5 reviews**
- Elsevier's Journal of Parallel and Distributed Computing (**JPDC**) Journal (since 2007) - **2 reviews**
- Elsevier's Journal of Systems and Software (**JSS**) Journal (since 2008) - **1 review**
- Elsevier's Journal of Knowledge & Data Engineering (**DKE**) Journal (since 2010) - **1 review**
- Oxford's Computer Journal (since 2011) - **1 review**
- Wiley's Wireless Communications and Mobile Computing (**WCM**) - **1 review**

- **Referee for Conferences/Symposiums (in addition to PC appointments):**

  - ACM SIGMOD - Intl. Management of Data Conference, 2009.
  - ACM PAVLAD - First Intl. Workshop on Privacy and Anonymity for Very Large Datasets, with CIKM'2009, Hong Kong, China, 2009.
  - ACM Intl. Conference on Computing Frontiers, Ischia, Italy, 2009.
  - SAGT - 4th Intl. Symposium on Algorithmic Game Theory, Salerno - Amalfi Coast, Italy, 2011.
  - IEEE MDM - Intl. Conference on Mobile Data Management, Tapei, Taiwan, 2009.
  - ACM SIGMOD - Intl. Management of Data Conference, 2008.
  - IEEE MDM - Intl. Conference on Mobile Data Management, Beijing, China, 2008.
  - EuroPar - 14th International Euro-Par Conference, 2008.
  - IEEE IPDPS - Intl. Parallel and Distributed Processing Symposium 2008.
  - ACM CIKM - Intl. Information and Knowledge Management Conference, 2007.
  - IEEE AINA - Intl. Conference on Advanced Information Networking and Applications, 2007.
  - HDMS - 6th Hellenic Data Management Symposium, 2007.
  - ACM CIKM - Intl. Information and Knowledge Management Conference, 2006.
  - OPODIS - Intl. Principles of Distributed Systems Conference, 2006.
  - ACM SIGMOD - Intl. Management of Data Conference, 2005.
  - ACM PODS - Intl. Principles of Database Systems Symposium, 2005.
  - IEEE ICPS - Intl. Pervasive Services Conference, 2005.
  - ACM SIGKDD - Intl. Knowledge Discovery and Data Mining Conference, 2005.

- ACM GIS - Intl. Advances in Geographic Information Systems Symposium, 2005.
- PAKDD - Pacific-Asia Conference on Knowledge Discovery and Data Mining, 2005.
- ICESS - Intl. Embedded Software and Systems Conference, 2005.
- VLDB - Very Large Data Bases Conference, 2004, 2009
- ACM SAC - Intl. Applied Computing Symposium, 2004.

- **External Referee for Workshops (in addition to PC appointments):**

  - IEEE SME (MDM) - Intl. Workshop on Semantics in Mobile Environments, 2005.
  - ACM WebKDD (SIGKDD) - Intl. Workshop on Knowledge Discovery in the Web, 2005.
  - DBISP2P (VLDB) - Intl. Workshop on Databases, Information Systems, and Peer-to-Peer Computing, 2004.
  - DMSN (VLDB) - Intl. Workshop on Data Management for Sensor Networks, 2005.

- **Proposal Evaluator:**

  - Proposal Evaluator (4), Trans-Domain Proposals (TDP), European Cooperation in Science and Technology (COST), 6/6/2014-26/6/2014.
  - Proposal Evaluator (1), Trans-Domain Proposals (TDP), European Cooperation in Science and Technology (COST), 1/7/2013-19/7/2013.
  - Proposal Evaluator, Senate Committee for the Basic Reseach Funding PRogram (BRFP), Athens University of Economics and Business, 2010.
  - Moderator/Reviewer for Milestone MJRA 1.3 (NA4), EU Enabling Grids for E-sciencE (EGEE), #IST-2003-508833, *Information Society Technologies.*

- **Paper Review System Developer:**

  - 5th International Conference Parallel Computing Technologies (PACT 1999), St. Petersburg, Russia, Springer Press, September 6-10, 1999.

- **Memberships:**

  - Member of ACM, Member of ACM SIGMOD, Member of IEEE, Member of USENIX
  - IEEE TCDE - Technical Committee on Data Engineering
  - IEEE TCI - Technical Committee on the Internet
  - IEEE TCDP - Technical Committee on Distributed Processing

X.   TEACHING WORK EXPERIENCE

TEACHING AWARDS

Outstanding Teaching Assistant Honorable Mention   2002-2003

   Awarded to teaching assistants for their commitment to excellence in teaching, at the
   Computer Science Department & Engr., University of California - Riverside.

Outstanding Teaching Assistant Award   2001-2002

   Awarded each year to teaching assistants for their outstanding contribution in teaching
   at the Computer Science Department & Engr., University of California - Riverside.

TEACHING APPOINTMENTS

Lecturer, Dept. of Computer Science, Univ. of Cyprus, Cyprus   01/2009-present

- **EPL646 - Advanced Topics in Databases** (Winter 2012–2015)
  Graduate Course (˜15 students)
  (`http://www.cs.ucy.ac.cy/~dzeina/courses/epl646/`)

- **EPL446 - Advanced Database Systems** (Fall 2009–2011)
  Undergraduate (˜15 students): Elective for General Direction in CS
  (`http://www.cs.ucy.ac.cy/~dzeina/courses/epl446/`)

- **EPL371 - Systems Programming** (Fall 2009–2015)
  Undergraduate (˜25 students): Elective for Sys. and Nets. Direction in CS
  (`http://www.cs.ucy.ac.cy/~dzeina/courses/epl371/`)

- **EPL342 - Databases** (Winter 2009–2010)
  Undergraduate (˜85 students): Compulsory for all Directions in CS
  (`http://www.cs.ucy.ac.cy/~dzeina/courses/epl342/`).

- **EPL132 - Programming Principles II** (Fall 2012–2015)
  Undergraduate (˜85 students): Compulsory for all Directions in CS
  (`http://www.cs.ucy.ac.cy/~dzeina/courses/epl132/`)

- **EPL035 - Data Structures and Algorithms for ECE** (Winter 2011)
  Undergraduate (˜70 students): Compulsory for all Directions in ECE
  (`http://www.cs.ucy.ac.cy/~dzeina/courses/epl035/`)

Lecturer, School of Pure and Applied Sc., Open Univ. of Cyprus, Cyprus   07/2007-01/2009

PLS50 - Fundamental Specialization in Theory and Software (Thematic Unit Coordinator)
(`http://eclass.ouc.ac.cy/` (login as guest))

- *Programming languages.*

- *Data Structures and Algorithms.*

- *Software engineering.*

Visiting Lecturer, Department of Computer Science, University of Cyprus   2005-2007

- **EPL428 - Systems Programming** (Spring 2007)
  (`http://www.cs.ucy.ac.cy/~dzeina/courses/epl428/`)

- **EPL231 - Data Structures and Algorithms.** (Fall 2005)
  (`http://www.cs.ucy.ac.cy/~dzeina/courses/epl231/`)

- **EPL111 - Discrete Structures in Computer Science and Computation.** (Spring 2006, 2007)
  (`http://www.cs.ucy.ac.cy/~dzeina/courses/epl111/`)

- **EPL035 - Data Structures and Algorithms for Elec. and Comp. Engineers.** (Fall 2006)
  (`http://www.cs.ucy.ac.cy/~dzeina/courses/epl035/`)

- **EPL032 - Introduction to Programming and Problem Solving.** (Spring 2006)
  (http://www.cs.ucy.ac.cy/~dzeina/courses/epl032/)

- **EPL003 - Computer Science and Information Systems.** (Fall 2005, Fall 2006)
  (http://www.cs.ucy.ac.cy/courses/EPL003/)

- **EPL001 - Introduction to Computer Science** (Fall 2005, Spring 2007)
  (http://www.cs.ucy.ac.cy/courses/EPL001/)

Invited Tele-Education Lecturer, EMISPHER (Euro-Mediterranean Internet-Satellite   2006-2007
Platform for Health, Education and Research)

Gave presentations on the Intensive Care Window software system.

Head Teaching Assistant, Dept. of Comp. Sc. & Engr., Univ. of California - Riverside   2002-2003

Coordinated a group of 50+ Teaching Assistants including the preparation of their
teaching schedule.

Teaching Assistant, Dept. of Computer Sc. & Engr., University of California - Riverside   2001-2003

- **Advanced Database Systems Project**, taught by Prof. V.J. Tsotras
  http://www.cs.ucr.edu/~csyiazti/ta/cs179s03/index.html

- **Database Systems**, taught by Prof. V.J. Tsotras
  http://www.cs.ucr.edu/~csyiazti/ta/cs166w03/index.html

- **Multicast Networking Project**, taught by Prof. S.V. Krishnamurthy
  http://www.cs.ucr.edu/~csyiazti/ta/cs179f02/index.html

- **Introduction to Programming in C++**, taught by Prof. K. Lick
  Prepared solutions, maintained the webpage, graded projects, exercises and final exams.
  http://www.cs.ucr.edu/~csyiazti/ta/cs10s02/index.html

Technology Show, Cyprus Broadcasting Corporation (CyBC), Nicosia, Cyprus   1999-2000
Gave presentations on constructing and optimizing web sites and portals.

XI.   ADVISING

- **Post Doctoral Collaborators:**

  - 06/2014 - current: **Christos Laoudias**, Topics: Indoor Localization and Navigation.
  - 01/2012 - current: **Georgios Chatzimilioudis**, Topics: Big Data, Query Processing
    and Smartphones.
  - 07/2011 - current: **Panayiotis Andreou**, Topics: Smartphone Testbeds, Smartphone
    Sensing, Wireless Sensor Networks and Data Management.
  - 03/2010 - current: **Andreas Konstantinidis**, Topics: Intelligent Computing, Privacy
    and Indoor Information Management, Smartphone Testbeds.

- **Ph.D. Advisor / Mentor:**

  - 09/2013-: **Constantinos Costa**, Ph.D., Topic: "Big Data Processing of Spatio-Temporal
    Queries"
  - 06/2013-: **George Nikolaides**, Ph.D., Topic: "Crowdsourcing Big Data"

- 12/2012-: **Georgios Larkou**, Ph.D., Topic: "Smartphone Sensing Testbeds".
- 2011-2014: **Christos Laoudias**, Ph.D. (advisor Christos Panayiotou / 22 joint publications), Topic: Indoor Localization and Information Management, Graduation Date: June 2014. **Recipient of the Alpha Bank Cyprus Ph.D. Award for "Creative Research and Innovation" and also three international awards for the joint work on Airplace/Anyplace, 2014.**
- 09/2006-06/2011: **Panayiotis Andreou**, Ph.D. (co-advised with George Samaras), "KSpot+: A Network-aware Framework for Energy-Efficient Data Acquisition in Wireless Sensor Networks", Graduation Date: June 2011. **Recipient of the CONET European Wireless Sensor Networks (EWSN) PhD Award, 2012.**

- **M.Sc. Advisor:**

  - 12/2014 **Adamos Adamou**, M.Sc.,"Scalable Trajectory Grouping with K-Anonymity Guarantees", December 2014.
  - 08/2014 **Yannis Kitromilidis**, M.Sc.,"Experimental Evaluation and Characterization of SQLite on Android Smartphones", September 2014.
  - 08/2013: **Vasileios Mitrousis**, M.Sc.,"Design and Implementation of a JSON Database for Mobile Devices", August 2013.
  - 08/2013: **Constantinos Costa**, M.Sc.,"Scalable Continuous All k Nearest Neighbor Queries over Big Data Stores", August 2013.

- **B.Sc. Advisor:**

  - Dimosthenis Stefanidis, BSc Student, "Big Data Query Processing", 06/2016.
  - Dimitrios Valeris, BSc Student, "Crowdsourcing in Anyplace", 06/2016.
  - Stelios Nikolaou, BSc Student, "An Inventory Management for Tracking Equipment in Hospitals with Beacons", 06/2016.
  - Stefanos Christodoulides, BSc Student, "An Implementation of a Web 2.0 Architecture for the Management of Virtual Libraries", 06/2015.
  - Chrysovalantis Anastasiou, BSc Student, "TelcoWare: A Scalable Architecture for Processing Big Telecommunications Data", 06/2015. (next appointment: USC, USA - MSc/PhD)
  - Kyriakos Georgiou, BSc Student, "Implementation and Evaluation of Advanced Indoor Mapping Tools", 06/2015. (next appointment: U. of Toronto, Canada - MSc)
  - Timotheos Constambeys, BSc Student, "Implementation and Evaluation of Indoor Navigation Subsystems", 12/2014.
  - Rafael Constantinou, BSc Student, "Multi-dimensional K Nearest Neighbor Queries", 06/2014
  - Giannis Evagorou, BSc Student, "Indoor Radiomap Retrieval Techniques and Algorithms", 06/2014 (next appointment: UCL, UK - MSc/PhD)
  - Marios Mintzis, BSc Student, "Big-Data Mockup Studies on Smartphones", 06/2014 (next appointment: UCL, UK - MSc)
  - Lambros Petrou, BSc Student, "Crowdsourcing Indoor Data in Anyplace", 06/2014 (next appointment: Oxford, UK - MSc & Amazon UK)
  - Stefano Taranto, BSc Student, "Management Tools for Smartphone Testbeds", 06/2014 (next appointment: Betologic, Cyprus)
  - Tzoulia Metochi, BSc Student, "Indoor Inventory Management System with Smartphones", 06/2013
  - Paschalis Mpeis, BSc Student, "Continuous Localization on Smartphones with Privacy Guarantees", 06/2013 (next appointment: Univ. of Edinburgh, UK - MSc/PhD)
  - Silouanos Nicolaou, BSc Student, "Localization on Smartphones with a Partial Radiomap", 06/2012 (next appointment: Univ. of Kent, UK)

- Christos Aplitsiotis, BSc Student, "The SmartP2P Framework for Finding Social Content in P2P Smartphone Networks", 06/2012 (next appointment: Univ. of Cyprus, Cyprus)
- Gavriella Koupepidou, BSc Student, "A Crowdsourced Virtual Library with Smartphone Scanners", 06/2012
- Costandinos Costa, BSc Student, "Finding Similar Trajectories in Smartphone Networks without Disclosing the Traces", 06/2011 (next appointment: Univ. of Cyprus, Cyprus)
- Theodoros Ioannou, BSc Student (co-advised with G. Samaras), "A Proximity-based Social Network for Smartphone Users", 06/2011 (next appointment: Univ. of California - Riverside, USA)
- Antonis Mavris, BSc Student, "MobNet: A Mobile Programming Cloud Testbed", 06/2011 (next appointment: UCL, UK)
- Pavlos Touloupos, BSc Student, "External Sorting Algorithms for Flash Storage", 05/2010. (next appointment: Univ. of Manchester, UK)
- Panagiota Gianni, BSc Student, "An Experimental Evaluation of the MINT Algorithm", 05/2010.

- **PhD. Defense Committee Member:**

  - Orestis Gkorgkas, "Database content exploration and exploratory analysis of user queries", Advisor: Kjetil Norvag, Norwegian University of Science and Technology (NTNU), Trondheim, Norway. 08/2015.
  - Marios Kleanthous, "Cache Content Duplication", Advisor: Yanos Sazeides, University of Cyprus, Cyprus. 04/2012.
  - Panayiotis Andreou, "KSpot+: A Network-aware Framework for Energy-Efficient Data Acquisition in Wireless Sensor Networks", Co-Advisor with George Samaras, June 2011.

- **PhD. PhD Proposal Committee Member:**

  - Hariton Efstathiades (Web Data Management), PhD Student advised by Marios Dikaiakos and George Pallis, University of Cyprus, Cyprus. 12/2014.
  - Andreas Papadopoulos (Data Mining: Graph Clustering), PhD Student advised by George Pallis and Marios Dikaiakos, University of Cyprus, Cyprus. 12/2012.
  - Panayiotis Charalambous (Graphics: Crowd Steering), PhD Student advised by Yiorgos Chrysanthou, University of Cyprus, Cyprus. 11/2011.
  - Marios Kleanthous (Architecture: Cache Content Duplication), PhD Student advised by Yanos Sazeides, University of Cyprus, Cyprus. 07/2011.
  - Panayiotis Andreou (Database Systems: Sensor Data Management), PhD Student co-advised with George Samaras, University of Cyprus, Cyprus. 05/2008.

- **M.Sc. Committee Member:**

  - 06/2015: Athanasios Foudoulis, *"Topology Aware Analytics For Elastic Cloud Services"*, Advisor: George Pallis and Marios Dikaiakos, University of Cyprus, .
  - 06/2015: Ehsan Ul Haq, *"Interactive Customer Experience Based on Social Networks Using Smart Devices"*, Advisor: Panagiotis Karras, Skolkovo Institute of Science and Technology (Skoltech), Russia.
  - 12/2012: Alexander G. Connor, *"Ariadne: A Novel High Availability Cloud Data Store with Transactional Guarantees.*, Advisor: Alex Labrinidis and Panos K. Chrysanthis, Dept. of Comp. Sc., Univ. of Pittsburgh, USA.
  - 08/2012: Apostolos Apostolidis, *"Cloud Storage"*,, Advisor: Stratis D. Viglas, School of Informatics at the University of Edinburgh, UK.
  - 05/2012: Nearchos Panayiotou, Advisor: Yiorgos Chrysanthou, Dept. of Comp. Sc., Univ. of Cyprus.

- 05/2012: Andreas Andreou, Advisor: Chryssis Georgiou, Dept. of Comp. Sc., Univ. of Cyprus.
- 09/2011: Neophytos Theodorou, Advisor: Marios D. Dikaiakos, Dept. of Comp. Sc., Univ. of Cyprus, Cyprus.
- 11/2010: Michael Georgiou, Advisor: Marios Dikaiakos, Dept. of Comp. Sc., Univ. of Cyprus.
- 05/2010: Andreas Savva, Advisor: Chryssis Georgiou, Dept. of Comp. Sc., Univ. of Cyprus.
- 05/2010: Constantinos Savvides, Advisor: Marios Dikaiakos, Dept. of Comp. Sc., Univ. of Cyprus.
- 09/2009: Asterios Katsifodimos, Advisor: Marios Dikaiakos, Dept. of Comp. Sc., Univ. of Cyprus.
- 05/2009: George Athienitis, Advisor: George Chrysanthou, Dept. of Comp. Sc., Univ. of Cyprus.
- 05/2007: Styliani Nisioti, Advisor: Chryssis Georgiou, Dept. of Comp. Sc., Univ. of Cyprus.
- 05/2007: Antoniou Antonis, Advisor: Andreas Pitsillides, Dept. of Comp. Sc., Univ. of Cyprus.
- 05/2007: Kyriacos Neocleous, Advisor: Marios Dikaiakos, Dept. of Comp. Sc., Univ. of Cyprus.
- 05/2007: Andreas Leykaritis, Advisor: George Chrysanthou, Dept. of Comp. Sc., Univ. of Cyprus.

- **B.Sc. Committee Member (Dept. of Comp. Sc., Univ. of Cyprus):**

  - 05/2012: Phedon Roussou, Advisor: George Pallis
  - 05/2012: Antoniadou Marina, Advisor: Pedro Trancoso
  - 05/2012: Tsekouras Nikolas, Advisor: Vasos Vassiliou
  - 05/2011: Andreou Panayiotis, Advisor: George Pallis
  - 05/2011: Sophocleous Constantinos, Advisor: Marios Dikaiakos
  - 05/2010: Evangelia Vanezi, Advisor: Yannis Dimopoulos
  - 12/2009: Andreas Manoli, Advisor: Marios Dikaiakos
  - 12/2009: Irene Eleftheriou, Advisor: Marios Dikaiakos
  - 05/2009: Constandinos Constantinides, Advisor: Vasos Vassiliou
  - 05/2009: Chatzidimitriou Antigoni, Advisor: Chryssis Georgiou
  - 05/2009: Agathokleous Orestis, Advisor: Yannakis Sazeides
  - 05/2009: Dionysiou Eliana, Advisor: Yannakis Sazeides
  - 05/2009: Siakas Andreas, Advisor: George Samaras
  - 05/2009: Spanos Orestis, Advisor: George Samaras
  - 05/2009: Hapoupi Panayiota, Advisor: George Samaras
  - 05/2007: Marios Papa, Advisor: Pedro Trancoso

- **Other Advising:**

  - Giorgos Constantinou, Marios Constantinides, Andreas Panteli, Theophilos Phoca, Participation in National Imaginecup contest (Ze Gathem Team) ranking 3rd, Department of CS, University of Cyprus, Cyprus.
  - Christos Laoudias, PhD Student, Advisor: Christos G. Panayiotou, Department of ECE, University of Cyprus, Cyprus.
  - Song Lin, PhD Student, Advisor: Dimitrios Gunopulos, University of California, Riverside, USA.

- Wei Xing, PhD Student, Advisor: Marios Dikaiakos, University of Manchester, UK.
- Harris Papadakis, PhD Student, Advisor: Evangelos Markatos & Vivi Fragopoulou, University of Crete and ICS/FORTH, Greece.
- Martha Vasiliadou, BSc Student, Advisor: George Samaras, University of Cyprus, Cyprus.

XII.   AWARDS & HONORS

- **Best Demo Award**, "Indoor Geolocation for Android Smartphones with Airplace", T. Costambeys, C. Laoudias, **D. Zeinalipour-Yazti**, C. G. Panayiotou, EVARILOS Open Challenge, FP7 Project (#317989), European Union, Berlin, Germany, 2014.

- **2nd Best Demo Award**, "Accurate Multi-Sensor Localization on Android Devices", C. Laoudias, G. Larkou, M. Chin-Lung Li, Yu-Kuen Tsai, **D. Zeinalipour-Yazti**, C. G. Panayiotou, Microsoft Indoor Localization Competition, *13th ACM/IEEE International Conference on Information Processing in Sensor Networks* (IPSN'14), April 15-17, Berlin, Germany, 2014.

- **Appcampus Award**, "Rayzit: Crowd Messaging" by Microsoft, Nokia and Aalto University (Finland), 2013.

- **Best Demo Award**, "The Airplace Indoor Positioning Platform for Android Smartphones", C. Laoudias, G. Constantinou, M. Constantinides, S. Nicolaou, **D. Zeinalipour-Yazti**, C. G. Panayiotou, Demo at the *13th IEEE International Conference on Mobile Data Management* (**MDM 2012**), IEEE Computer Society, Bangalore, India, July 23-26, **2012**.

- **Best Demo Award**, "ICGrid: Intensive Care Grid", CoreGRID Industrial Conference, Sophia Antipolis, France, (prize: 10K Euros), Nov 2006.

- IBM Extreme Blue (Webfountain Project), Internship invitation, IBM Almaden, San Jose CA, USA Summer 2005.

- Outstanding Teaching Assistant Honorable Mention, UCR, 2002-2003.

- Head Teaching Assistant, Computer Science & Engr. Dept, UCR, 2002-2003.

- Outstanding Teaching Assistant Award, UCR, 2001-2002.

- Full Scholarship by the Computer Science & Engr. Dept, UCR, 2001-2006.

- Dean's Graduate Fellowship Award, UCR, 2001-2003.

- Research Fellowship, Cyprus Research Promotion Foundation, 2000-2001.

- Awards at School: Praise in Paneuropean writing contest (1990-91), 1st in CyBC's national History & Archeology contest (1991-92) and 2nd in national Geography (1992-93) contest.

XIII.   LANGUAGES

- Greek (native)
- English (fluent)
- German (fluent)

XIV. PERSONAL INFORMATION

- Gender: Male.
- Date of Birth: June 20, 1978.
- Place of Birth: Yazd/Iran.
- Nationality: Cypriot.
- Marital Status: Married with Christina, having two sons named Stefanos and Nicolas.

XV. REFERENCES

Available upon request