

Aikaterini G. Doka

13 Promitheos str., Glyfada, Athens, 16674
+30 6937 221750, katerina@cslab.ece.ntua.gr

PERSONAL INFO

Date of Birth: 1 November 1982
Webpage: www.cslab.ece.ntua.gr/~doka

EDUCATION

2011 Doctor of Philosophy (PhD)
School of Electrical and Computer Engineering,
National Technical University of Athens, Greece
Title of Thesis: *Data Management in Large Scale Distributed Systems for Analytics Applications*
Advisor: Prof. Nectarios Koziris

2005 Diploma in Electrical and Computer Engineering
School of Electrical and Computer Engineering,
National Technical University of Athens, Greece
Grade: 9,1 / 10 (top 4%)
Title of Thesis: *File Transfer in Grid Systems using Peer-to-Peer Technologies*
Advisor: Prof. Nectarios Koziris

RESEARCH INTERESTS

Large-Scale Distributed Systems
Cloud Computing
Big Data Management
Distributed Data Management (Distributed Databases/Data stores)
Blockchain Technology/Distributed Ledgers
Database Systems
Peer-to-Peer Systems and Networks
Parallel Systems and Cluster Computing

AWARDS

2008, 2011 NTUA Thomaidion Award for outstanding publications in scientific journals or conference proceedings.
2009 Scholarship by the the Greek Research & Technology Network (GRNET).
2000-2001 Scholarship by the Greek State Scholarship's Foundation (IKY) to the best 1% in every academic department.

LANGUAGE SKILLS

Greek, native language
English fluent, Certificate of Proficiency in English, University of Cambridge, 1997
German fluent, Grosses Deutsches Sprachdiplom, 2002
French fluent, Diplôme de Langue et Littérature Françaises SORBONNE II, 2007

COMPUTER SKILLS

Operating Systems UNIX, GNU/Linux, MS Windows
Programming Languages C, C++, Java, Python
Markup/Scripting Languages: XML, XSL, HTML, Perl, PHP, JavaScript, bash shell
Distributed Programming: Hadoop MapReduce, Spark, NoSQL data stores (HBase, MongoDB), Sockets, W3C Web Services (REST/SOAP/WSDL), Grid Services (Globus Toolkit)
Databases: MySQL, PostgreSQL, MS Access
Other: MS Office, Apache Tomcat

PROFESSIONAL EXPERIENCE **May 2011 – today** Post-doctoral Researcher, Computing Systems Laboratory, School of Electrical and Computer Engineering, National Technical University of Athens. Design and management of research projects funded by the EU and the General Secretariat for Research and Technology. Preparation and writing of proposals for EU and GR calls.

November 2005 – April 2011 Graduate Researcher, Computing Systems Laboratory, School of Electrical and Computer Engineering, National Technical University of Athens. Participation in research projects funded by the EU and the General Secretariat for Research and Technology.

September 2005 – July 2008 Network administration and Web Page development and maintenance of the Road Safety Observatory in the Department of Transportation Planning and Engineering of NTUA.

September 2004 – December 2004 Software Development in the Foreign Exchange IT department of UBS Investment Bank in Zurich, Switzerland.

August 2003 Internship in the Public Power Corporation S.A., branch of Samos.

PARTICIPATION IN RESEARCH PROJECTS **May 2018 – Dec 2019** Data Sovereignty through the use of Blockchain. Funding from the Greek Ministry of Education under the call “Support for Young Scientists”. The project proposes the combination of Cloud Computing and Blockchain Technology into a platform that enables the on-demand creation of a fully distributed, scalable and secure virtual infrastructure for data storage and processing.

2018 – 2021 E2DATA - European Extreme performing Big Data stacks (H2020-780245). E2Data proposes an end-to-end solution for Big Data deployments that fully exploits and advances the state-of-the-art in infrastructure services by delivering a performance increase of up to 10x for half the cloud resources.

2015 – 2018 TREDISEC - Trust-aware, REliable and Distributed Information SEcurity in the Cloud (H2020-644412). TrediseC addresses the confidentiality and integrity of outsourced data in the presence of a powerful attacker who controls the entire network. In addition, our proposed security primitives support data compression and data deduplication, while providing the necessary means for cloud providers to efficiently search and process encrypted data.

2014 – 2017 ASAP - An Adaptive Scalable Analytics Platform (FP7-619706), Work Package leader (WP3). Project ASAP develops an open-source execution framework for scalable data analytics. The underlying idea is that no single execution model is suitable for all types of tasks, and no single data model (and store) is suitable for all types of data. Complex analytical tasks over multi-engine environments therefore require integrated profiling, modeling, planning and scheduling functions.

2012 – 2014 MoDisSENSE - Distributed Platform for Development of Social Media Services over Mobile Devices(09777-72-881) This project aims to enrich social networking services by exploiting the continuous data flow from the daily use of mobile phones.

2011 – 2013 ARCOMEM - ARchive COmmunity MEMories (FP7-270239). The vision of the ARCOMEM project is to leverage the Wisdom of the Crowds for content appraisal, selection and preservation, so that archives reflect collective memory and social content perception.

2010 – 2012 PRESEMT - Pattern REcognition-based Statistically Enhanced MT (FP7-248307). PRESEMT addresses the issue of effectively managing multilingual content and aims to suggest a language-independent machine-learning-based methodology.

2006 – 2009 GREDIA - Grid Enabled Access to Rich media Content (FP6-34363). This project aims at the design and implementation of an efficient multimedia storage, querying and management system in grid systems.

2006 – 2008 GreeD: Greek Diaspora Network (GSRT, EHG-89). The project’s objective is the development of a system for the retrieval of heterogeneous content concerning the history and culture of Greek Diaspora.

TEACHING EXPERIENCE

Academic Year 2019-2020: Teaching of the undergraduate course lab “Distributed Systems”, 6th Semester, Department of Informatics and Computer Engineering, University of West Attica. **Academic Years 2018-2019, 2019-2020:** Teaching of the graduate course “Distributed Systems”, Master’s program “Data Science and Machine Learning”, School of Electrical and Computer Engineering, National Technical University of Athens.

Academic Years 2015-2016, 2016-2017, 2017-2018, 2018-2019, 2019-2020: Teaching of the undergraduate course “Distributed Systems” (3.4.56.9), 9th Semester, School of Electrical and Computer Engineering, National Technical University of Athens.

Academic Years 2016-2017, 2017-2018, 2018-2019 Teaching of the undergraduate course “Database Systems” (3.4.26.6), 6th Semester, School of Electrical and Computer Engineering, National Technical University of Athens.

Academic Year 2016-2017 Teaching of the graduate course “Programming Languages and Biological Databases”, Master’s programme “Bioinformatics and neuroinformatics”, Department of Informatics, Ionian University.

Academic Years 2009-2010, 2010-2011, 2011-2012: Teaching assistant in “Operating Systems” (3.4.22.6), 5th Semester, School of Electrical and Computer Engineering, National Technical University of Athens.

Academic Year 2005-2006: Teaching assistant in “Introduction to Programming” (3.4.01.1), 1st Semester, School of Electrical and Computer Engineering, National Technical University of Athens.

2010 – today Co-supervision and advising of 15 diploma theses in the School of Electrical and Computer Engineering, National Technical University of Athens.

PUBLICATIONS International Journals

5. Tasos Bakogiannis, Ioannis Mytilinis, Katerina Doka, Georgios Goumas: *Leveraging Blockchain Technology to Break the Cloud Computing Market Monopoly*. Computers, 9(1), 9 (2020), doi: 10.3390/computers9010009.
4. Thomas Risse, Elena Demidova, Stefan Dietze, Wim Peters, Nikolaos Papailiou, Katerina Doka, Yannis Stavarakas, Vassilis Plachouras, Pierre Senellart, Florent Carpentier, Amin Mantrach, Bogdan Cautis, Patrick Siehdnel, Dimitris Spiliotopoulos: *The ARCOMEM Architecture for Social- and Semantic-Driven Web Archiving*. Future Internet 6(4): 688-716 (2014)
3. Katerina Doka, Dimitrios Tsoumakos, and Nectarios Koziris. *Brown Dwarf: A Fully-Distributed, Fault-Tolerant Data Warehousing System*. Journal of Parallel and Distributed Computing 71.11 (2011): 1434-1446, doi:10.1016/j.jpdc.2011.07.008.
2. Katerina Doka, Dimitrios Tsoumakos, and Nectarios Koziris. *Online Querying of d- Dimensional Hierarchies*. Journal of Parallel and Distributed Computing, 71 (2011) pp. 424-437, doi:10.1016/j.jpdc.2010.10.005.
1. A. Asiki, K. Doka, I. Konstantinou, A. Zissimos, D. Tsoumakos, N. Koziris, and P. Tsanakas. *A Grid Middleware for Data Management Exploiting Peer-to-Peer Techniques*. Future Generation Computer Systems, 25(4):426-435, 2009.

Book Chapters

1. Heterogeneous Computing Architectures: Challenges and Vision. CRC Press. 2019

International Conferences

33. Nikolaos Tziavelis, Ioannis Giannakopoulos, Rune Quist Johansen, Katerina Doka, Nectarios Koziris, and Panagiotis Karras: *Fair Procedures for Fair Stable Marriage Outcomes* In Proceedings of the 34th AAAI Conf. on Artificial Intelligence (AAAI), New York, February 2020

32. C. Kotselidis, I. Komnios, O. Akrivopoulos, S. Bress, K. Doka, H. Mohammed et al. *Efficient Compilation and Execution of JVM-Based Data Processing Frameworks on Heterogeneous Co-Processors*. In Proceedings of the Design, Automation and Test in Europe Conference (DATE 2020), Grenoble, France (pp. 9-13).
31. Tasos Bakogiannis, Ioannis Mytilinis, Katerina Doka, Georgios Goumas: *Building Ad-Hoc Clouds with CloudAgora*. In Proceedings of the 38th Symposium on Reliable Distributed Systems (SRDS). IEEE, 2019.
30. Nikolaos Tziavelis, Ioannis Giannakopoulos, Katerina Doka, Nectarios Koziris and Panagiotis Karras: *Equitable Stable Matchings in Quadratic Time*. In Proceedings of the thirty-third Conference on Neural Information Processing Systems (NIPS 2019), December 8-14, 2019, Vancouver, Canada.
29. Katerina Doka, Tasos Bakogiannis, Ioannis Mytilinis and Georgios Goumas: *CloudAgora: Democratizing the Cloud*. In Proceedings of the 2nd International Conference on Blockchain (ICBC), 2019, San Diego, CA, USA.
28. I. Mytilinis, C. Bitsakos, K. Doka, I. Konstantinou, N. Koziris: *The Vision of a Heterogeneous Scheduler*. In Proceedings of the 1st International Workshop on Next Generation Clouds for Extreme Data Analytics (XtremeCLOUD), in conjunction with the IEEE International Conference on Cloud Computing Technology and Science (CloudCom), December 10, 2018, Nicosia, Cyprus.
27. Fotis Loukidis Andreou, Ioannis Giannakopoulos, Katerina Doka and Nectarios Koziris: *Docker-sec: A Fully Automated Container Security Enhancement Mechanism*. Accepted for publication in the 38th IEEE International Conference on Distributed Computing Systems (ICDCS '18), Demo track, Vienna, Austria, 2018.
26. K. Doka, I. Mytilinis, I. Giannakopoulos, I. Konstantinou, D. Tsitsigkos, M. Terrovitis and N. Koziris: *Exploiting Social Networking and Mobile Data for Crisis Detection and Management*. In Proceedings of the International Conference on Information Systems for Crisis Response and Management in Mediterranean Countries. Springer, Cham, 2017.
25. E. Golemis, K. Doka and N. Koziris: *Automatic Scaling of Resources in a Storm Topology*. In Proceedings of the 3rd International Workshop on Algorithmic Aspects of Cloud Computing (ALGO CLOUD'17), in conjunction with the ALGO 2017 Conference, Vienna, Austria, 2017.
24. I. Giannakopoulos, K. Papazafeiropoulos, K. Doka and N. Koziris: *Isolation in Docker through Layer Encryption*. In Proceedings of the 37th IEEE International Conference on Distributed Computing Systems (ICDCS '17), Demo track, 5-8 June, 2017, Atlanta, GA, USA.
23. K. Doka, N. Papailiou, V. Giannakouris, D. Tsoumakos and N. Koziris: *Mix 'n' Match Multi-Engine Analytics*. Accepted for publication at the 2016 IEEE International Conference on Big Data (BigData'16), Washington D.C., USA, December 5-8, 2016.
22. N. Korasidis, I. Giannakopoulos, K. Doka, D. Tsoumakos and N. Koziris: *Fair, Fast and Frugal Large-Scale Matchmaking for VM Placement*. Accepted for publication at the 2nd International Workshop on Algorithmic Aspects of Cloud Computing (ALGO CLOUD 2016), in conjunction with the ALGO 2016 Conference, August 22, 2016, Aarhus, Denmark.
21. N. Papailiou, K. Doka, V. Giannakouris, V. Papaioannou, D. Tsoumakos and N. Koziris: *Robust and Adaptive Multi-Engine Analytics using IReS (demo paper)*.

- In Proceedings of the 10th International Workshop on Enabling Real-Time Business Intelligence (BIRTE 2016), in conjunction with the VLDB 2016 Conference, September 9, 2016, New Delhi, India.
20. K. Doka, M. Filatov, V. Giannakouris, V. Kantere, N. Koziris, C. Mantas, N. Papailiou, V. Papaioannou and D. Tsoumakos: *Optimizing, Planning and Executing Analytics Workflows over Multiple Engines (demo paper)*. In Proceedings of the 1st International Workshop on Multi-Engine Data Analytics (MEDAL), in conjunction with the EDBT/ICDT 2016 Joint Conference, Bordeaux, France, March 15, 2016.
 19. K. Doka, M. Xue, , D. Tsoumakos, P. Karras, A. Cuzzocrea and N. Koziris: *Heterogeneous k-Anonymization with High Utility*. In Proceedings of the 2nd International Workshop on Privacy and Security of Big Data (in conjunction with the 2015 IEEE International Conference on Big Data), October 29, 2015, Santa Clara, CA, USA.
 18. I. Giannakopoulos, P. Karras, D. Tsoumakos, K. Doka and N. Koziris: *An Equitable Solution to the Stable Marriage Problem*. In Proceedings of the 27th IEEE International Conference on Tools with Artificial Intelligence (ICTAI 2015), 9-11 November, Vietri sul Mare, Italy, 2015.
 17. K. Doka, N. Papailiou, D. Tsoumakos, C. Mantas and N. Koziris: *IReS: Intelligent, Multi-Engine Resource Scheduler for Big Data Analytics Workflows*. In Proceedings of the 2015 ACM SIGMOD/PODS International Conference on Management of Data (SIGMOD'15), Demo track, Melbourne, Victoria, Australia, 2015.
 16. I. Mytilinis, I. Giannakopoulos, I. Konstantinou, K. Doka, D. Tsitsigkos, M. Terrovitis, L. Giampouras and N. Koziris: *MoDisSENSE: A Distributed Spatio-Temporal and Textual Processing Platform for Social Networking Services*. In Proceedings of the 2015 ACM SIGMOD/PODS International Conference on Management of Data (SIGMOD'15), Demo track, Melbourne, Victoria, Australia, 2015.
 15. K. Doka, M. Xue, D. Tsoumakos and P. Karras: *k-Anonymization by Freeform Generalization*. In Proceedings of the 10th ACM Symposium on Information, Computer and Communications Security (ASIACCS 2015), Singapore, April 14-17, 2015.
 14. I. Mytilinis, I. Giannakopoulos, I. Konstantinou, K. Doka and N. Koziris: *MoDisSENSE: A Distributed Platform for Social Networking Services over Mobile Devices*. In proceedings of the 2014 IEEE International Conference on Big Data (BigData 2014), Washington DC, USA, October 27-30 2014.
 13. Stefan Dietze, Diana Maynard, Elena Demidova, Thomas Risse, Wim Peters, Katerina Doka and Yannis Stavarakas: *Entity Extraction and Consolidation for Social Web Content Preservation*. In Proceedings of the 2nd International Workshop on Semantic Digital Archives (SDA'12), Cyprus, 2012.
 12. Thomas Risse, Stefan Dietze, Wim Peters, Katerina Doka, Yannis Stavarakas and Pierre Senellart. *Exploiting the Social and Semantic Web for guided Web Archiving*. In Proceedings of the International Conference on Theory and Practice of Digital Libraries (TPDL'12), Cyprus, 2012.
 11. Katerina Doka, Dimitrios Tsoumakos, and Nectarios Koziris. *KANIS: Preserving k-Anonymity Over Distributed Data*. In Proceedings of the 5th International Workshop on Personalized Access, Profile Management and Context Awareness in Databases (PersDB'11), Seattle, WA, September 2, 2011.

10. Katerina Doka, Dimitrios Tsoumakos, and Nectarios Koziris. *Brown Dwarf: A P2P Data Warehousing System*. In Proceedings of the 19th ACM International Conference on Information and Knowledge Management (CIKM 10), pages 1945–1946, 2010.
9. K. Doka, D. Tsoumakos, and N. Koziris. *Distributing the Power of OLAP*. In Proceedings of the 19th ACM International Symposium on High Performance Distributed Computing (HPDC 10), pages 324–327. ACM, 2010.
8. K. Doka, D. Tsoumakos, and N. Koziris. *Efficient Updates for a Shared Nothing Analytics Platform*. In Proceedings of the International Workshop on Massive Data Analytics over the Cloud (MDAC 10), pages 1–6. ACM, 2010.
7. A. Zissimos, K. Doka, A. Chazapis, D. Tsoumakos, and N. Koziris. *Optimizing Data Management in Grid Environments*. In Proceedings of the 11th International Symposium on Distributed Objects, Middleware, and Applications (DOA 09), pages 497–512. Springer, 2009.
6. A. Asiki, D. Tsoumakos, A. Doka, and N. Koziris. *Support for Concept Hierarchies in DHTs*. In Proceedings of 8th International Conference on Peer-to-Peer Computing (P2P’08), 2008.
5. K. Doka, D. Tsoumakos, and N. Koziris. *HiPPIS: An Online P2P System for Efficient Lookups on d Dimensional Hierarchies*. In Proceedings of the 10th International Workshop on Web Information and Data Management (WIDM 08). ACM New York, NY, USA, 2008.
4. K. Doka, A. Asiki, D. Tsoumakos, and N. Koziris. *Online Querying of Concept Hierarchies in P2P Systems*. In Proceedings of the 16th International Conference on Cooperative Information Systems (CooPIS 08), 2008.
3. A. Asiki, K. Doka, I. Konstantinou, A. Zissimos, and N. Koziris. *A Distributed Architecture for Multi-Dimensional Indexing and Data Retrieval in Grid Environments*. In Proceedings of the Cracow Grid Workshop (CGW 07), 2007.
2. I. Konstantinou, K. Doka, A. Asiki, A. Zissimos, and N. Koziris. *Gredia Middleware Architecture*. In Proceedings of the Cracow Grid Workshop (CGW 07), 2007.
1. A. Zissimos, K. Doka, A. Chazapis, and N. Koziris. *GridTorrent: Optimizing Data Transfers in the Grid with Collaborative Sharing*. In Proceedings of the 11th Panhellenic Conference on Informatics (PCI 07), 2007.

Theses

2. K. Doka. *Data Management in Large Scale Distributed Systems for Analytics Applications*. PhD Thesis, School of Electrical and Computer Engineering, National Technical University of Athens, Greece, 2011.
1. K. Doka. *File Transfer in Grid Systems using Peer-to-Peer Technologies*. Diploma Thesis, School of Electrical and Computer Engineering, National Technical University of Athens, Greece, 2005.

Citations Up to date there have been 236 citations (Google Scholar). h-index: 11

INVITED TALKS

1. 2017: International Conference on Computing Power for Global Systems, Lucca 24-25 October, 2017
2. 2016: University of Athens, Department of Informatics & Telecommunications - Distributed Systems (Graduate Course M 123)

3. 2015: King Abdullah University of Science & Technology - InfoCloud Research group

CONSULTING - EVALUATIONS

1. External evaluator of a Master Thesis conducted in the Skolkovo Institute of Science and Technology.
2. External evaluator of grant applications and projects for the European Commission.

ORGANIZING COMMITTEE MEMBER

1. International Workshop on Next Generation Clouds for Extreme Data Analytics (XtremeCLOUD 2018), collocated with the IEEE International Conference on Cloud Computing Technology and Science (CloudCom 2018)
2. International Conference on Internet of Things and Big Data (IoTBD 2019, Local Chair)

PROGRAM COMMITTEE MEMBER

1. International Conference on Utility and Cloud Computing (IEEE/ACM UCC 2020)
2. International Conference on Emerging Ubiquitous Systems and Pervasive Networks (EUSPN-2020)
3. Bridging from Concepts to Data and Computation (BC2DC 2020)
4. International Conference on Cloud Computing Technology and Science (IEEE CloudCom 2018, 2019, 2020)
5. International Conference on Internet of Things and Big Data (IoTBD 2016, 2017, 2018, 2019)
6. International Workshop on Algorithmic Aspects of Cloud Computing (ALGO-CLOUD 2018,2019)
7. International Symposium on Pervasive Systems, Algorithms, and Networks (I-SPAN 2017)
8. Hellenic Data Management Symposium (HDMS 2017, 2018)
9. International Workshop on Big Data Analytics, Security and Privacy (BiDAS 2018)
10. International Workshop on Privacy and Security of Big Data (PSBD 2015, 2016, 2017) in conjunction with the IEEE International Conference on Big Data (IEEE BigData)
11. International Workshop on Multi-Engine Data AnaLytics (MEDAL 2016) collocated with the International Conference on Extending Database Technology (EDBT)

REVIEWER

International Journals

1. IEEE Transactions on Parallel and Distributed Systems
2. IEEE Transactions on Learning Technologies
3. Journal of Parallel and Distributed Computing (Elsevier)
4. Information Systems (Elsevier)
5. Computer Communications (Elsevier)
6. Future Generation Computer Systems (Elsevier)
7. Computers and Security (Elsevier)

8. Computer Standards and Interfaces (Elsevier)
9. Distributed Computing (Springer)
10. Peer-to-Peer Networking and Applications (Springer)
11. The journal of Supercomputing (Springer)
12. Knowledge and Information Systems (Springer)
13. Journal of The Institution of Engineers (Springer)
14. International Journal of Information Technology and Decision Making (World Scientific)
15. Parallel Processing Letters (World Scientific)
16. Computer Journal (Oxford University Press)

International Conferences

- 2017 IEEE International Conference on Data Engineering (ICDE'17)
- 2016 IEEE International Conference on Big Data (BigData'16)
- 2016 IEEE International Symposium on Network Computing and Applications (NCA'16)
- 2016 International Workshop on Multi-Engine Data AnaLytics (MEDAL'16)
- 2016 International Conference on Internet of Things and Big Data (IoTBD'16)
- 2015 International Workshop on Privacy and Security of Big Data (PSBD'15)
- 2015 IEEE International Conference on Big Data (BigData'15)
- 2015 International Workshop on Modeling and Management of Big Data (MOBID'15)
- 2015 ACM's Special Interest Group on Management Of Data (SIGMOD'15)
- 2015 ACM International Conference on Information and Knowledge Management (CIKM'15)
- 2014 ACM International Conference on Information and Knowledge Management (CIKM'14)
- 2014 International Workshop on Modeling and Management of Big Data (MOBID'14)
- 2013 IEEE Symposium on Computers and Communications (ISCC'13)
- 2013 International Conference on Ambient Systems, Networks and Technologies (ANT'13)
- 2013 International Workshop on Modeling and Management of Big Data (MOBID'13)
- 2012 IEEE International Conference on Ubiquitous Computing and Communications (IUCC'12)
- 2012 IEEE International Conference on Trust, Security and Privacy in Computing and Communications (TrustCOM'12)
- 2011 International Conference on Computational Collective Intelligence Technologies and Applications (ICCCI'11)
- 2011 IEEE International Conference on Ubiquitous Computing and Communications (IUCC'11)
- 2011 IEEE International Conference on Computer and Information Technology (CIT'11)
- 2009 Workshop on Challenges of Large Applications in Distributed Environments (CLADE'09)
- 2009 Workshop on Service-Oriented P2P Networks and Grid Systems (servP2P'09)
- 2009 IEEE International Conference on Data Engineering (ICDE'09)
- 2009 International Workshop on Data Management in Peer-to-peer systems (DAMAP'09)
- 2008 Workshop on Grid Computing (WGC'08)
- 2008 IEEE International Conference on Parallel Processing (ICPP'08)
- 2007 IEEE International Conference on High Performance Computing and Communications (HPCC'07)
- 2007 IEEE International Conference on High Performance Computing (HIPC'07)
- 2007 IEEE/ACM International Conference on Grid Computing (Grid'07)

MEMBER OF

Technical Chamber of Greece (TEE) - Member No. 104939

Institute of Electrical and Electronics Engineers (IEEE) - Member No. 94950341

**REFERENCE
LETTERS**

Nectarios Koziris, Dean of the School of Electrical and Computer Engineering, NTUA

Georgios Goumas, Assistant Professor, School of Electrical and Computer Engineering,
NTUA

Dimitrios Tsoumakos, Associate Professor, Department of Informatics, Ionian University