

Yannis Manolopoulos

updated October 2020

Professor, Vice Rector

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Education

- 1986 **Ph.D. in Computer Engineering**, *Aristotle University of Thessaloniki*.
- 1984-1985 **Research Visitor**, *University of Toronto*, Department of Computer Science.
- 1981 **5-year Diploma in Electrical Engineering**, *Aristotle University of Thessaloniki*.

Academic Employment

- 2018-present **Professor**, *Open University of Cyprus*, Faculty of Pure & Applied Sciences.
- 2000-2018 **Professor**, *Aristotle University of Thessaloniki*, Department of Informatics.
- 2002 **Visiting Professor**, *Université Paris-Dauphine*, Laboratoire d'Analyse et de Modélisation des Systèmes pour l'Aide à la Décision (LAMSADE).
- 2000-2001 **Visiting Professor**, *University of Cyprus*, Department of Computer Science.
- 1994-2000 **Associate/Assistant Professor**, *Aristotle University of Thessaloniki*, Department of Informatics.
- 1993-1994 **Visiting Associate Professor**, *University of Maryland at College Park*, Department of Computer Science, University of Maryland Institute for Advanced Computer Studies (UMIACS).
- 1988-1993 **Assistant Professor/Lecturer**, *Aristotle University of Thessaloniki*, Department of Electrical Engineering.

Administrative Experience

- 2018-present **Open University of Cyprus**, *Vice Rector*.
- 2010-2011 **University of Western Macedonia**, *President of the Executive Board (Rector)*.
- 2010-2011 **University of Western Macedonia**, *Head of the Department of Informatics & Telecommunications Engineering*.
- 2009-2013 **Aristotle University of Thessaloniki**, *Head of the Department of Informatics*.
- 2004-2008 **Aristotle University of Thessaloniki**, *Director of the Graduate Program of the Department of Informatics*.
- 2004-2018 **Aristotle University of Thessaloniki**, *Director of the Data Engineering Laboratory (DeLab) of the Department of Informatics*.

Teaching Experience

- Subjects: Data Structures, Design and Analysis of Algorithms, Algorithmic Graph Theory, File Structures, Data Bases, Advanced Data Bases, Introduction to Computer Science (undergraduate curriculum), Data Mining and Data Warehouses, Spatial Data Bases and GIS, Software Engineering Topics, Mining Massive Datasets (graduate curriculum).
- Institutions: Aristotle University of Thessaloniki, University of Macedonia, University of Athens, University of the Aegean, University of Toronto, University of Maryland at College Park, University of Cyprus, Hellenic Open University, Open University of Cyprus, Poznan University of Technology.

Research Interests

- The research interests focus in the general area of Data Management. This term includes (among others) the fields of Data Bases, Data Mining, Data Warehouses, Information Systems (e.g. Web Information Systems, Geographic Information Systems), as well as the recently established fields of Big Data (streams), Graph Databases, Sensor/Social Networks, and so on. Also, of interest are the areas of Web Information Retrieval and Mining, Blog Preservation and Informetrics (Scientometrics, Webometrics and Bibliometrics). In the past, contributed in the interface area between Data Bases and Operating Systems.

R&D Project Involvement

Participated in a number of R&D projects funded by EU and national funds as project leader, AUTH project leader or researcher. As project leader attracted funding of 2,2 Meuros. A list of projects with personal involvement after 2010 follows.

- 2019-2020 **Efficient streams management in an industry 4.0 environment**, *Private funding*, Researcher.
- 2017-2020 **Evolving dynamic systems in the cloud. A framework toward the smart user interfaces**, *Spanish Ministry of Economy and Competitiveness (MINECO)*, Researcher.
- 2016-2019 **HIT2GAP: Highly innovative building control tools tackling the energy performance Gap**, *European Union (H2020)*, Ethics Advisor.
- 2017-2018 **Analysis of time-series user data**, *Private funding*, Researcher.
- 2015-2018 **cHiPSet: High-performance modelling and simulation for big data applications**, *European Union (Cost)*, AUTH Project leader.
- 2014-2017 **KnowEscape: Analyzing the dynamics of information and knowledge landscapes**, *European Union (Cost)*, Researcher.
- 2014-2015 **MELITOURS: An innovative platform for tourist services**, *Greek Secretariat of Research and Technology*, Researcher.
- 2012-2015 **CLOUD9: An interdisciplinary, holistic approach towards a computational cloud of web scale**, *Greek Secretariat of Research and Technology*, Researcher.

- 2013-2014 **An intelligent system for event scheduling**, *Greek Secretariat of Research and Technology*, Researcher.
- 2011-2013 **MOVE: Knowledge discovery from moving objects**, *European Union (Cost)*, AUTH Project leader.
- 2011-2013 **Blogforever**, *European Union (FP7)*, Project leader.
- 2011-2012 **Recommendation engine for Web 2.0**, *Greek Secretariat of Research and Technology*, Project leader.
- 2011-2012 **Data mining from Web 2.0**, *Greek Secretariat of Research and Technology*, Project leader.
- 2010-2011 **Life-long Learning of high-school masters**, *Ministry of Education*, AUTH Project leader.

Research Impact

- Received >14.700 citations according to Google Scholar from >2300 distinct academic institutions from 104 countries (h-index=55).
- Listed in the top-10 most cited authors of Aristotle University of Thessaloniki according to Google Scholar and Microsoft Academic Search.
- Listed in the top-10 computer science authors of Greek universities with highest h-index value according to Guide2Research.
- Listed in the top-700 most prolific authors according to DBLP digital library (Data Bases & Logic Programming).
- Listed among the top-714 Greek scientists with the greatest impact according to a study of Prof Yannis Ioannidis, Meta-Research Innovation Center at Stanford (METRICS).
- Listed in the top-10.000 most cited authors of Computer Science by Citeseer.

Publications in Short

- Authored >200 conference papers and >150 journal papers.
- Authored 5 research monographs (published by Springer).
- Authored 5 textbooks used in universities in Greece.
- Authored 3 textbooks in Greek in epub format, publicly available.
- Authored 3 textbooks used in Secondary Education in Greece.
- Authored 27 book chapters and 20 encyclopedia lemmas.
- Authored 23 articles and 22 technical reports.
- Translated 2 textbooks used in universities in Greece.
- Edited 3 books with collections of research papers (published by Springer, IDEA).
- Edited 49 conference proceedings (published by Springer, IEEE, ACM, IDEA, INSTICC, CEUR)

- o Edited 19 special issues in the following journals: The Computer Journal, Information Systems, Data & Knowledge Engineering, International Journal on Engineering Intelligent Systems, International Journal on Knowledge-based Organizations, World Wide Web, International Journal on Artificial Intelligence Tools, Information Sciences, Neurocomputing, Journal of Database Management, Journal of Innovation in Digital Ecosystems, International Journal of Intelligent Information & Database Systems, Big Data Research, Computer Science & Information Systems, Fundamenta Informaticae, Transactions on Large-Scale Data & Knowledge-Centered Systems.

Selected Publications

ORCID 0000-0003-4026-4329. An almost complete publication record can be found at the DBLP website: <https://dblp.uni-trier.de/pers/hd/m/Manolopoulos:Yannis>. A list with 10 most cited publications/books according to Google Scholar (as of 1/9/2020) follows.

- 2508 **Faloutsos C., Ranganathan M. and Manolopoulos Y.**, *Fast Subsequence Matching in Time-Series Databases*, Proceedings ACM International Conference on Management of Data (SIGMOD), pp.419-429, Minneapolis, MN, 1994.
- 711 **Kirkos E., Spathis C. and Manolopoulos Y.**, *Data Mining Techniques for the Detection of Fraudulent Financial Statements*, Expert Systems with Applications, Vol.32, No.4, pp.995-1003, 2007.
- 517 **Sidiropoulos A., Katsaros D. and Manolopoulos Y.**, *Generalized h-index for Disclosing Latent Facts in Citation Networks*, Scientometrics, Vol.72, No.2, pp.253-280, 2007.
- 466 **Manolopoulos Y., Nanopoulos A., Papadopoulos A. and Theodoridis Y.**, *R-trees: Theory and Applications*, Springer-Verlag London, pages 194, 2006.
- 394 **Yavas G., Katsaros D., Ulusoy O. and Manolopoulos Y.**, *A Data Mining Approach for Location Prediction in Mobile Environments*, Data & Knowledge Engineering, Vol.54, No.2, pp.121-146, 2005.
- 372 **Symeonidis P., Nanopoulos A. and Manolopoulos Y.**, *Tag Recommendations based on Tensor Dimensionality Reduction*, Proceedings 2nd ACM International Conference on Recommender Systems (RecSys), pp.43-50, Lausanne, Switzerland, 2008.
- 326 **Corral A., Manolopoulos Y., Theodoridis Y. and Vassilakopoulos M.**, *Closest Pair Queries in Spatial Databases*, Proceedings ACM International Conference on Management of Data (SIGMOD), pp.189-200, Dallas, TX, 2000.
- 298 **Nanopoulos A., Alcock R. and Manolopoulos Y.**, *Feature-based Classification of Time-series Data*, International Journal of Computer Research, Vol.10, No.3, pp.49-61, 2001.
- 233 **Symeonidis P., Nanopoulos A. and Manolopoulos Y.**, *A Unified Framework for Providing Recommendations in Social Tagging Systems Based on Ternary Semantic Analysis*, Data & Knowledge Engineering, Vol.22, No.2, pp.179-192, 2010.
- 218 **Nanopoulos A., Katsaros D. and Manolopoulos Y.**, *A Data Mining Algorithm for Generalized Web Prefetching*, IEEE Transactions on Knowledge & Data Engineering, Vol.15, No.5, pp.1155-1169, 2003.

Best Paper Awards

- Recipient of the "Best Integration with Theory Paper" award for the paper entitled "Fast Subsequence Matching in Time-Series Databases", which has been presented at the ACM SIGMOD'1994 Conference, Minneapolis, 1994 (submitted papers 279, accepted 40, selected 2).
- Recipient of the "Best Knowledge Discovery Paper" award for the paper entitled "SkyGraph: an Algorithm for Important Subgraph Discovery in Relational Graphs", which has been presented at the ECML/PKDD'2008 Conference, Antwerp, Belgium, 2008 (submitted papers 521, accepted 57, selected 2).
- Recipient of a "Best Paper award" for the paper entitled "A Bi-objective Cost Model for Database Queries in a Multi-cloud Environment", which has been presented at the ACM MEDES'2014 Conference, Buraydah, Saudi Arabia, 2014 (submitted papers 158, accepted 38, selected 3).
- Recipient of a "Best Paper award" for the paper entitled "Early Malicious Activity Discovery in Microblogs by Social Bridges Detection", which has been presented at the IEEE ISSPIT'2016 Workshop, Limassol, Cyprus, 2016 (accepted papers 66, selected 1).
- Recipient of a "Best Paper award" for the paper entitled "Detecting Intrinsic Dissimilarities in Large Image Databases through Skylines", which has been presented at the ACM MEDES'2017 Conference, Bangkok, Thailand, 2017 (submitted paper 79, selected 3).

Ph.D. graduates (thesis title, current affiliation)

- 2017 **Antonia Gogoglou**, *Complex Networks and Machine Learning in Scientometrics*, Capital One Bank, San Francisco, USA.
- 2017 **Pavlos Kefalas**, *Recommendation Models for Dynamic Spatiotemporal Big Data*, ConnexOne Limited, Manchester, UK.
- 2017 **George Roumelis**, *Structures for Point Data and Spatiotemporal Query Processing*, High School Principal, Thessaloniki, Greece.
- 2015 **Evangelos Banos**, *Data Retrieval, Analysis and Preservation from the Web*, Internet Archive, San Francisco, USA.
- 2013 **Nantia Iakovidou**, *Mining Biological and Medical Data*, King's College, London, UK.
- 2013 **Efthymia Tsamoura**, *Query Optimization in Distributed and Dynamic Environments*, Alan Turing Institute, London, UK.
- 2012 **Alexios-Michael Papadimitriou**, *Data Management Algorithms and Knowledge Extraction in Graph Applications*, Information Technologies Institute / FORTH, Thessaloniki, Greece.
- 2011 **Eleftherios Tiakas**, *Similarity and Dominance Query Processing in Multidimensional Spaces*, co-supervision, Aristotle University, Thessaloniki, Greece.
- 2011 **Dimitrios Rafailidis**, *Analysis and Retrieval Methods for Music Databases*, Maastricht University, The Netherlands.

- 2010 **Nikolaos Dimokas**, *Efficient Data Retrieval in Distributed Wireless Sensor Systems*, University of Western Macedonia, Kastoria, Greece.
- 2009 **Maria Kontaki**, *Data Mining and Query Processing in Data Streams*, St. Luke Hospital, Thessaloniki, Greece.
- 2009 **Markos Katsianis**, *Excavating Methodology and Design of an Information System for the Management of Archaeological Evidence*, co-supervision, University of Patras. Patras, Greece
- 2008 **Panagiotis Symeonidis**, *Information Retrieval and Data Mining in Web Personalized Services*, University of the Aegean, Samos, Greece.
- 2007 **Efstathios Kirkos**, *Mining Financial Data with Applications in Accounting*, International Hellenic University, Thessaloniki, Greece.
- 2006 **Ioannis Karydis**, *Methods for Mining and Retrieval of Acoustic and Symbolic Music Data*, Ionian University, Corfu, Greece.
- 2006 **Antonios Sidiropoulos**, *Ranking and Clustering Methods for Bibliographic and Web Data*, International Hellenic University, Thessaloniki, Greece.
- 2006 **Katerina Raptopoulou**, *Data Bases for Storing and Processing Moving Points*, High school teacher, Thessaloniki, Greece.
- 2004 **Dimitrios Katsaros**, *Information Dispersal in Wireline and Wireless Web*, University of Thessaly, Volos, Greece.
- 2003 **Alexandros Nanopoulos**, *Methods for Mining Complex Data Types*, LIDL International, Neckarsulm / Stuttgart, Germany.
- 2002 **Eleni Tousidou**, *On the Use of Signatures in Processing Complex Objects*, University of Thessaly, Volos, Greece.
- 2002 **Theodoros Tzouramanis**, *Access Methods and Query Processing in Temporal and Spatiotemporal Data Bases*, University of Thessaly, Lamia, Greece.
- 2002 **Antonio Corral**, *Algoritmos para el Procesamiento de Consultas Espaciales Utilizando R-trees, la Consulta de los Pares mas Cervanos y su Aplicacion en Bases de Datos*, University of Almeria in framework European Doctorate Mention, University of Almeria, Spain.
- 2000 **Apostolos Papadopoulos**, *Access Methods and Query Processing in Multi-dimensional Data Bases*, Aristotle University, Thessaloniki, Greece.
- 2000 **Dimitrios Dervos**, *Digital Signature Schemes for Free Text Management*, co-supervision, International Hellenic University, Thessaloniki, Greece.
- 1997 **Athena Vakali**, *Performance Analysis of Modern Magnetic Disks*, Aristotle University, Thessaloniki, Greece.
- 1994 **Michael Vassilakopoulos**, *Organization and Management of Region Data with Hierarchical Structures of Regular Splitting*, University of Thessaly, Volos, Greece.

The recent study "Impact and Productivity of PhD Graduates of Computer Science/Engineering Departments of Hellenic Universities", by Katsaros D. and Manolopoulos Y., reports on the research performance of doctoral research in Greece, with resolution down to departments and persons. The report can be downloaded from <https://arxiv.org/abs/1707.05801>.

Board and Committee Memberships

- 2019-present **Research and Innovation Foundation, Nicosia, Cyprus**, *Member of the Board.*
- 2017-2018 **Complexity Center, Aristotle University of Thessaloniki**, *Member of the Board.*
- 2015 **Excellence Committee, Aristotle University of Thessaloniki**, *President of the Board.*
- 2010-2013 **Thessaloniki Innovation Zone**, *Member of the Board.*
- 2009-2012 **Senate, Aristotle University of Thessaloniki**, *Member of the Assembly.*
- 2009-2012 **Research Committee, Aristotle University of Thessaloniki**, *Member of the Board.*
- 2002-2006 **Greek Computer Society**, *Vice President of the Board.*
- 2005 **ACTA S.A., spin-off of the Aristotle University of Thessaloniki**, *Founder and Member of the Board.*

Editorial Board Memberships

- 2017-present **Information Systems**, *Elsevier.*
- 2013-present **World Wide Web Journal**, *Springer.*
- 2020-present **International Journal of Data Science & Analytics**, *Springer.*
- 2011-2017 **The VLDB Journal**, *Springer.*
- 1999-present **The Computer Journal**, *Oxford University Press.*
- 2020-present **International Journal on Artificial Intelligence Tools**, *World Scientific.*
- 2004-present **International Journal of Data Warehousing & Mining**, *IGI Global.*
- 2009-present **International Journal of Knowledge-based Organizations**, *IGI Global.*
- 2012-present **International Journal on Advances in Intelligent Systems**, *ARIA.*
- 2015-present **Journal of Information & Data Management**, *Brazil.*
- 2019-present **Cybernetics & Information Technologies**, *Bulgaria.*
- 2020-present **International Journal of Web Research**, *Iran.*
- 2018-present **Karbala International Journal of Modern Science**, *Iraq.*
- 2003-present **Computer Science & Information Systems**, *Serbia.*
- 2009-present **Information Sciences & Technologies**, *ACM Slovakia.*
- 2003-2007 **Annals of Mathematics, Computing & Teleinformatics**, *TEI of Larissa, Greece.*

Conference Steering Committee Memberships

- 2003-present **Balkan Conference in Informatics (BCI)**, *Chair.*
- 1999-present **East-European Conference in Advances in Data Bases & Information Systems (ADBIS)**, *Chair.*
- 2017-present **International Conference on Theory & Practice of Digital Libraries (TPDL)**, *Member.*
- 2015-present **International Conference on Advanced Information Systems Engineering (CAiSE)**, *Member.*

- 2015-present **International Conference on Management of Computational & Collective Intelligence in Digital EcoSystems (MEDES)**, *Member*.
- 2009-present **Central & East European Symposium on Business Informatics (CEE)**, *Member*.
- 2006-2008 **International Workshop on Spatiotemporal Database Management (STDB)**, *Member*.
- 2005-2007 **International Conference on Scientific & Statistical Database Management (SSDBM)**, *Member*.
- 2004-2006 **Symposium on Spatiotemporal Databases (SSTD)**, *Member*.
- 2004-2006 **International Conference on Enterprise Information Systems (ICEIS)**, *Member*.

International Conferences Organization

Member of >300 Program Committees of International Conferences. Key-organizer (General chair, Program Committee Chair, Organizing Chair) of >50 international conference since 2010 organized in: Australia, Brazil, China, Cyprus, France, Greece, Lebanon, North Macedonia, Romania, Russia, Serbia, Slovakia, United Arab Emirates. A partial list of such conferences ranked in A and B categories of CORE Conference Portal (<http://portal.core.edu.au/conf-ranks>) follows:

- 2020 **46th International Conference on Current Trends in Theory & Practice of Computer Science (SOFSEM)**, *Limassol, Cyprus*.
- 2019 **IEEE/WIC/ACM International Conference on Web Intelligence (WI)**, *Thessaloniki, Greece*.
- 2019 **23rd International Database Engineering & Applications Symposium (IDEAS)**, *Athens, Greece*.
- 2018 **27th International Conference on Artificial Neural Networks (ICANN)**, *Rhodes Island, Greece*.
- 2018 **23rd International Conference Database Systems for Advanced Applications (DASFAA)**, *Gold Coast, Australia*.
- 2017 **21st International Conference on Theory & Practice of Digital Libraries (TPDL)**, *Thessaloniki, Greece*.
- 2014 **26th International Conference on Advanced Information Systems Engineering (CAiSE)**, *Thessaloniki, Greece*.
- 2014 **18th East-European Conference on Advanced Databases & Information Systems (ADBIS)**, *Ohrid, North Macedonia*.
- 2014 **14th International Conference on Web Information System Engineering (WISE)**, *Thessaloniki, Greece*.
- 2013 **13th International Conference on Web Information System Engineering (WISE)**, *Nanjing, China*.
- 2010 **20th International Conference on Artificial Neural Networks (ICANN)**, *Thessaloniki, Greece*.

- 2009 **13th East-European Conference on Advanced Databases & Information Systems (ADBIS)**, Riga, Latvia.
- 2006 **10th East-European Conference on Advanced Databases & Information Systems (ADBIS)**, Thessaloniki, Greece.
- 2004 **16th IEEE International Conference on Scientific & Statistical Database Management (SSDBM)**, Santorini, Greece.
- 2003 **8th International Symposium on Spatiotemporal Databases (SSTD)**, Santorini, Greece.
- 2002 **6th East-European Conference on Advanced Databases & Information Systems (ADBIS)**, Bratislava, Slovakia.

Invited Speaker in Conferences

- 2020 **Predicting the Future Evolution of Scientific Output**, *1st International Workshop on Assessing Impact and Merit in Science (AIMinScience)*, Lyon, France.
- 2020 **Recommending POIs in LBSNs with Deep Learning**, *3rd International Conference on Smart Applications & Data Analysis for Smart Cities (SADASC)*, Marrakesh, Morocco.
- 2020 **Predicting the Future Evolution of Scientific Output**, *5th Conference on Software Engineering & Information Management (SEIM)*, Saint Petersburg, Russia.
- 2019 **Status and Opportunities in Scientific Impact Forecasting**, *International Conference on Big Data, IoT & Cloud Computing (ICBICC)*, Rome, Italy.
- 2019 **Where to? State-of-the-art POI Recommendations**, *IEEE International Symposium on INnovations in Intelligent SysTems & Applications (INISTA)*, Sofia, Bulgaria.
- 2018 **Scientometrics: Introduction and Advancements**, *22nd Pan-Hellenic Conference on Informatics (PCI)*, Athens, Greece.
- 2018 **The Evolving Path of Scientometrics into the Science of Science**, *22nd International Database Engineering & Applications Symposium (IDEAS)*, Calabria, Italy.
- 2018 **Network Analysis on the Science of Science**, *44th International Conference on Current Trends in Theory & Practice of Computer Science (SOFSEM)*, Krems, Austria.
- 2017 **Predicting the Future Evolution of Scientific Output**, *8th International Conference on Computational Collective Intelligence (ICCCI)*, Nicosia, Cyprus.
- 2015 **Scientometric-based Methods for Ranking Scientists, Journals and Universities: a Critical Review**, *International Conference on Applied Research in Computer Science & Engineering (ICAR)*, Beirut, Lebanon.
- 2015 **Skyline Queries: an Introduction**, *6th International Conference on Information, Intelligence, Systems & Applications (IISA)*, Corfu, Greece.
- 2015 **Scientometric-based Methods for Ranking Scientists, Journals and Universities: a Critical Review**, *Science Week*, Pristina, Kosovo.

- 2015 **Top-k Dominating Queries: a Survey**, *12th International Symposium on Programming & Systems (ISPS)*, Algiers, Algeria.
- 2014 **Scientometric-based Methods for Ranking Scientists, Journals and Universities: a Critical Review**, *1st International Conference on Recent Trends & Applications in Computer Science & Information Technology (RTA-CSIT)*, Tirana, Albania.
- 2014 **Advances in Recommendation Systems: Time Dependent Algorithms**, *9th International Workshop on Semantic & Social Media Adaptation & Personalization (SMAP)*, Corfu, Greece.
- 2014 **Recommendations in Location-based Social Networks: a Case of Big Data**, *Open Day for Big Data (ODBD)*, Beirut, Lebanon.
- 2013 **New Perspectives for Recommendations in Location-based Social Networks: Time, Privacy and Explainability**, *5th International ACM Conference on Management of Emergent Digital EcoSystems (MEDES)*, Neumuenster Abbey, Luxembourg.
- 2012 **Trends in Blog Digital Preservation**, *14th International Conference on Enterprise Information Systems (ICEIS)*, Wroclaw, Poland.
- 2011 **Explaining Recommendations of Movies in Web Video Rental Businesses**, *2nd Central & Eastern Europe Symposium on Business Informatics (CEE)*, Cluj-Napoca, Romania.
- 2010 **Topology Control Algorithms for Wireless Sensor Networks: a Critical Survey**, *11th International Conference on Computer Systems & Technologies (CompSysTech)*, Sofia, Bulgaria.
- 2010 **Continuous Processing of Preference Queries in Data Streams**, *36th International Conference on Current Trends in Theory & Practice of Computer Science (SOFSEM)*, Spindleruv Mlyn, Czech Republic.
- 2008 **Multimedia Information Retrieval**, *5th Spring Young Researchers Colloquium on Databases & Information Systems (SYRCoDIS)*, Saint Petersburg, Russia.

Other Services to the Community

- Program Committee member of 33 national conferences related to Informatics.
- External reviewer for 12 international conferences and 37 journals.
- Delivered 40 talks on IT related topics at several national and international fora (Austria, Brazil, Cyprus, Czech Republic, Denmark, Finland, France, Germany, Poland, Russia, Saudi Arabia, Turkey, UK, USA).
- Evaluator for the following national funding agencies: Austria, Canada, Cyprus, Czech Republic, EU, Estonia, Georgia, Greece, Hong-Kong, Israel, Italy, Russia.
- Evaluator for departmental promotions of the following universities: University of Alberta (Canada), Cyprus University of Technology, Frederick University (Cyprus), Charles University (Czech Republic), University of Aalborg (Denmark), Al al-Bayt University (Jordan), City University of New York (USA), Bilkent University (Turkey).
- External evaluator for: the Department of Computer Science of the University of Aalborg, all the Departments of Computer Science of Lithuania.

- External Member of 16 Ph.D. examination committees at the following institutions abroad: École Polytechnique Paris, University of Aalborg, University of Aarhus, University of Almeria, University of L'Aquila, University of Bozen-Bolzano, University of Coruna, ENSMA/Poitiers, University of Milano, University of Pau and Pays Adour, Poznan University of Technology, University of Sao Paolo.
- External Member of 27 Ph.D. examination committees at the following Greek institutions: University of Athens, National Technical University of Athens, Agricultural University of Athens, University of Crete, University of Macedonia, University of Ioannina, University of Thessaly, University of Piraeus.
- Member of recruiting committees for the following Greek institutions: University of Athens, National Technical University of Athens, Agricultural University of Athens, University of Crete, University of Macedonia, University of Ioannina, University of Thessaly, University of Piraeus, University of the Aegean, Athens University of Economics and Business, Technical University of Crete, Democritus University of Thrace, University of Central Greece, University of Patras, Ionian University, Harokopio University of Athens, Hellenic Open University, FORTH/Crete, NCFR Demokritos, IMIS Athena, TEI of Thessaly, TEI of Thessaloniki.
- Hosted visitors from the following international institutions: University of Aalborg, University of Almeria, University of L'Aquila, Bilkent University/Ankara, Technical University of Brno, University of Cardiff, CNPTIA-EMBRAPA/Brazil, CNAM/Paris, University of Tirana, University of Coruna, EPFL/Lausanne, Ecole Nationale Supérieure d'Informatique of Algiers, University of Magdeburg, METU/Ankara, University of Nis, University of Santiago de Compostela, Vrije University/Amsterdam.
- Organized the following Balkan Olympiads in Informatics: Thessaloniki 1994, Drama 1997, Ioannina 1999, Rhodos 2005. Leader of the Greek delegation at the following Balkan Olympiads in Informatics: Konstanz/Romania 1993, Varna/Bulgaria 1995, Nicosia/Cyprus 1996, Dures/Albania 2001. Co-chair of the Program Committee of the National Contest in Informatics: 2005-2013. Founder and AUTH Leader at the National Internet Contest for University Students of Computer Science/Engineering Departments: 1996-2000.

References

Nikolaos **Rector**, *Aristotle University of Thessaloniki*, Thessaloniki, Greece.
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Nikolaos Mas- **Chairman**, *Research & Innovation Foundation*, Nicosia, Cyprus.
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