

Curriculum Vitae

Grammati Pantziou

Professor of the Department of Informatics and Computer Engineering
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Education

- Diploma of Mathematics, Department of Mathematics, University of Patras, Greece (1984)
 - Ph.D. in Computer Science, Department of Computer Engineering and Informatics, University of Patras, Greece (1991)
- Scholarships for Studies and Research

Scholarships

- Scholarships from the Greek State Scholarship Foundation (IKY) during the undergraduate studies at the Department of Mathematics, University of Patras (1981-1984).
- Postdoctoral Scholarship from the US National Science Foundation (Grant No. CDA-9211155) for research on Parallel Algorithms (Sept. 1992 – Aug. 1994).
- Visiting Scholar, Basser Department of Computer Science, The University of Sydney, Australia, (Febr. 1996).

Professional Experience

- Professor at the Department of Informatics of the Technological Educational Institute of Athens, Greece (1998-2018).
- Senior Researcher at the Computer Technology Institute, Patras (1995-1998).
- Assistant Professor at the University of Central Florida, Orlando, FL, USA (1994-1995).
- Research Assistant Professor at Dartmouth College, Hanover, NH, USA (1992-1994).
- Post-Doctoral Research and Teaching Fellow at the University of Patras (1991-1992).

- Researcher at the Computer Technology Institute, Patras, Greece (1985-1991).

Additional Professional Activity

- Director of the Parallel and Distributed Systems and Networks Lab (PDSN Lab), Department of Informatics, Technological Educational Institute of Athens <http://pdsn.stef.teiath.gr/> (2015 -)
- Director of the M.Sc. Program in Computing and Network Technologies, Department of Informatics, Technological Educational Institute of Athens <https://msc-cnt.cs.teiath.gr/> (2014 -)
- Member of the Greek Data Protection Authority (2011-2013)
- Alternate Member of the Greek Data Protection Authority (2003-2011)
- Head of the Department of Informatics of the Technological Educational Institute of Athens, Greece (Sep. 2003 - Aug. 2008).
- Member of the Scientific Committee of the M.Sc. Program “Informatique et Science de l’ Information et de la Communication – ISIC” organized by the Technological Educational Institute of Athens and the University of Limoges, France, (2007-2010).
- Member of the Greek National Council for e-Commerce (2006-2008)

Main Research Interests

Parallel and Distributed Computing, Optimization Algorithms, Mobile Ad-Hoc & Wireless Sensor Networks, Pervasive and Mobile Computing, Security Issues in Computing Environments, Multimedia Systems.

Teaching Experience

Department of Informatics of the Technological Educational Institute of Athens, Greece (1998-today)

- Introduction to Parallel Computation
- Discrete Mathematics
- Multimedia Technology
- Distributed Systems
- Algorithmics
- Parallelism I and II (Graduate level)
- Numerical Optimization (Graduate level)
- Parallel and Distributed Systems (Graduate Level)
- Algorithms and Advanced Data Structures (Graduate Level)

Department of Computer Science, University of Central Florida, Orlando, FL, USA (1994-1995).

- Multimedia Systems (Fall 1994 - CS 5310 - Graduate level)
- Automata and Formal Languages (Spring 1995 - CS 6938 - Graduate level)

Department of Computer Science, Dartmouth College, Hanover, NH, USA (1992-1994).

- Computer Graphics (Fall 1992 - CS 43)
- Theory of Computation (Winter 1993 CS 109 - Graduate level)
- Automata and Formal Languages (Fall 1993 - CS 49)
- Information Systems (Winter 1994)

Department of Computer Engineering and Informatics, University of Patras, Greece (1991-1992)

- Automata and Formal Languages
- Theory of Computation

Selected Funded Research

1. European Community, Seventh Framework Programme (CIP-ICT), Project *“Holistic Personal public Eco-mobility (HoPE)”*, 2014 – 2017, Key Researcher.
2. COOPERATION PROGRAMME: (Interreg V-A) EL-IT - Greece-Italy, Project *“Investment”*, 1/6/2018-31/5/2020.
3. European Community, HORIZON 2020/RIA/ICT, Project *“Enhanced Buying Experiences in Smart Cities (SMARTBUY)*, 1/2016-06/2018”, Key Researcher.
4. European Community, Seventh Framework Programme (FP7-ICT), Project: *“Renewable Mobility Services in Smart Cities (MOVESMART)”*, 2013-2016, Key Researcher.
5. European Community and Greek Government Project Archimedes III: *“Τεχνικές επικοινωνίας και επεξεργασίας δεδομένων σε ασύρματα δίκτυα αισθητήρων και ασύρματα δίκτυα αισθητήρων/ενεργοποιητών - Data Communication and Processing in Wireless Sensor and Sensor/Actuator Networks (PROSENS)”*, 2012-2015, Scientific Coordinator.
6. European Community and Greek Government Project SYNERGASIA: *“Analysis of Marine Information for Environmentally Safe Shipping (AMINESS)”*, 2013-2015, Key Researcher.
7. European Community, Seventh Framework Programme (FP7-ICT), Project: *“eCO-friendly urban Multi-modal route Planning Services for Mobile uSers (eCOMPASS)”*, 2011-2014, Key Researcher.

8. European Community and Greek Government Project Archimedes III: «Κατανεμημένα Συστήματα Ευρείας Κλίμακας – Ανάπτυξη Προηγμένων Πρωτοκόλλων και Εφαρμογές των Διομήτιμων Συστημάτων», 2012-2015 Key Researcher.
9. European Community and Greek Government Project Thalís: “From Graph Theory to Matroids: Algorithmic Issues and Applications”, 2012-2015, Researcher
10. European Community and Greek Government, Project: “Support of Computer Science Studies in the Technological Educational Institute of Athens”, 2003-2008, Scientific Coordinator.
11. Greek Government, General Secretariat for Research and Technology (GSRT), Project POLYTIMO, 2006-2008, Key Researcher.
12. European Community and Greek Government, Project Archimedes: “Communication Protocols: Design, Analysis and Application in Parallel, Distributed and Mobile Environments (PROTEAS)”, 2004-2006, Scientific Coordinator.
13. European Community and Greek Government Project Archimedes: Parallel Based on Content Information Retrieval (PACOCLIR), 2004-2006, Key Researcher.
14. European Community and Greek Government Program “School Libraries – PNYKA”, 1999-2001, Member of the Scientific Committee.
15. ESPRIT II Basic Research Action Program of the EC, Project ALCOM-IT (ALgorithms and COMplexity in Information Technology), 1995-1998, Deputy Scientific Coordinator.
16. ESPRIT II Basic Research Action Program of the EC, Project GEPPCOM (foundations of General Purpose Parallel COMputing), 1995-1997, Deputy Scientific Coordinator.
17. “Computer Technology Institute - Technical Support Consultant for the Information System and Network Infrastructure of the Greek Parliament”, 1996-1998, Deputy Scientific Coordinator.
18. National Science Foundation (NSF), U.S.A., *Postdoctoral Fellowship*, 1992-1994.
19. New England Consortium for Undergraduate Science Education (NECUSE) Grant. “A Multimedia CD to attract Women and Minorities in Computer Science”, 1993-1994, Scientific co-Coordinator.
20. National Science Foundation (NSF) Grant. *Issues and Obstacles in the Implementation of Parallel Algorithms and the use of Parallel Machines: a School on Parallel Programming*, 1993.
21. STRIDE Research and Development, Project TEXTILE, 1991-1994.
22. ESPRIT II Basic Research Action Program of the European Community under contract No. 7141, Project ALCOM (ALgorithms and COMplexity) II. (1992-1994)
23. ESPRIT II Basic Research Program of the European Community under contract No. 3045, Project ALCOM (ALgorithms and COMplexity) I. (1989-1992)

24. ESPRIT I Research and Development Program of the European Community contract No. 125, Project GRASPIN (personal workstation for incremental GRAPHical Specification and formal Implementation of Nonsequential systems), 1985-1987.

Editor (Journals and Conference Proceedings)

1. Associate Editor of the *Security and Communication Networks Journal (Wiley)*
2. Editor with C. Zaroliagis and S. Kontogiannis "Algorithms, Probability, Networks, and Games", Lecture Notes in Computer Science Vol. 9295, ISBN 978-3-319-24023-7, Springer 2015.
3. Guest Editor with I. Maglogiannis, M. Betke and F. Makedon, *Personal and Ubiquitous Computing Journal*, Special Issue on "Assistive Environments for the Disabled and the Senior Citizens", Springer, 18(1), pp. 1-3, 2014.
4. Guest Editor with I. Maglogiannis, F. Makedon and M. Betke, *Universal Access in the Information Society Journal (UAIS)*, Special Issue on "Pervasive technologies and assistive environments: cognitive systems for assistive environments", Springer, 13(1), 2014.
5. Guest Editor with I. Maglogiannis, F. Makedon, and L. Baillie, *Personal and Ubiquitous Computing Journal*, Springer, Special Issue on "Pervasive technologies for assistive environments", Volume 14, Number 6, 2010, <http://www.springerlink.com/content/vu387728p682n414/>
6. Guest Editor with I. Maglogiannis, F. Makedon, and L. Baillie, *Universal Access in the Information Society Journal (UAIS)*, Springer), Special Issue on "Pervasive Technologies and Assistive Environments: Social Impact, Financial, Government and Privacy Issues", 10(2) 2011. <http://www.springerlink.com/content/9r22595g4j43n03p/>
7. Guest Editor with F. Makedon and P. Belsis, *Security and Communication Networks Journal (Wiley)*, Special Issue on "Privacy and Security in Pervasive e-Health and Assistive Environments", 2011.
8. Guest Editor with D. Gavalas and Ch. Konstantopoulos, *Computer Journal (Oxford University Press)*, Special Issue on "Mobility on Wireless Sensor Networks", 2011.
9. Guest Editor with D. Gavalas and Ch. Konstantopoulos, *Electronic Journal for E-Commerce Tools & Applications (eJETA)*, Special Issue on "Electronic Commerce in Pervasive Environments", 2009.
10. Editor of the *Journal of Universal Computer Science (JUICS)*.
11. Editor of the *electronic Journal on E-Commerce Tools and Applications (eJETA)*.

12. Editor of the *Proceedings of the DAGS'93 Annual Symposium on "Issues and Obstacles in the Practical Implementation of Parallel Algorithms and the Use of Parallel Machines"*.
13. Editor of the *Proceedings of the DAGS'93 School on Parallel Programming*.

Refereeing

Discrete Applied Mathematics, Algorithmica, European Journal of Operational Research, Parallel Processing Letters (PPL), Journal on Distributed and Parallel Computing (JDPC), Acta Informatica, Theoretical Computer Science (TCS), Information Processing Letters (IPL), IEEE IoT, Security and Communication Networks Journal (Wiley), Journal of Universal Computer Science (JUICS), electronic Journal on E-Commerce Tools and Applications (eJETA), IEEE International Conference on Communications (ICC), Conference on Foundations of Software Technology and Theoretical Computer Science (FST&TCS), International Colloquium on Automata Languages and Programming (ICALP), European Symposium on Algorithms (ESA), Graph-Theoretic Concepts in Computer Science (WG,) IEEE Wireless Communications and Networking Conference (WCNC), ACM International Symposium on Mobility Management and Wireless Access (MOBIWAC), IEEE Symposium on Computers and Communications (ISCC).

Program Committee Member

- DAGS'93, *Second Annual Symposium of the Dartmouth Institute for Advanced Graduate Studies in Parallel Computation*, Topic: "Issues and Obstacles in the Implementation of Parallel Algorithms and the use of Parallel Machines", June 21-23, 1993, Hanover, NH.
- DAGS'95, *Fourth Annual Symposium of the Dartmouth Institute for Advanced Graduate Studies in Parallel Computation*, Topic: "Electronic Publishing and the Information Superhighway", May 30-June 2, 1995, Boston, MA.
- RALCOM'97, *Workshop on Randomized Algorithms in Sequential, Parallel, and Distributed Computing*, October 6-11, 1997, Santorini, Greece.
- ESA'98, *European Symposium on Algorithms*, August 24-26, 1998, Venice, Italy.
- Panhellenic Conference on Informatics (PCI 2005)
- Panhellenic Conference on Informatics (PCI 2007)
- Panhellenic Conference on Informatics (PCI 2008)
- Pervasive Technologies Related to Assistive Environments (PETRA 2008)
- Pervasive Technologies Related to Assistive Environments (PETRA 2009)
- Pervasive Technologies Related to Assistive Environments (PETRA 2010)

- Workshop on Privacy and Security in Pervasive e-Health and Assistive Environments (PSPA 2009), Workshop Chair.
- 1st International Workshop on Mobility in Wireless Sensor Networks (MobiSensor'2010). MobiSensor'2010 was held in conjunction with the 6th IEEE International Conference on Distributed Computing in Sensor Systems (DCOSS '10), Workshop co-Chair.
- IADIS Wireless Applications and Computing 2010, <http://www.wac-conf.org/2010/committees.asp>
- Pervasive Technologies Related to Assistive Environments (PETRA 2011), co-Chair.
- 2nd International Workshop on Mobility in Wireless Sensor Networks (MobiSensor'2011). MobiSensor'2011 was held in conjunction with the 7th IEEE International Conference on Distributed Computing in Sensor Systems (DCOSS '11), Workshop co-Chair.
- Workshop on Privacy and Security in Pervasive e-Health and Assistive Environments (PSPA 2011), Workshop Chair.
- Pervasive Technologies Related to Assistive Environments (PETRA 2012)
- IADIS Theory and Practice in Modern Computing Conference 2012, <http://www.tpmc-conf.org/committees.asp>
- The 10th ACM International Symposium on Mobility Management and Wireless Access (MOBIWAC) 2012, <http://www.mobiwac.org/committees.html>.
- ACM/IEEE/IFAC/TRB International Conference on Connected Vehicles and Expo 2012.
- IEEE Wireless Communications and Networking Conference (IEEE WCNC 2013) (Networks Track) Shanghai, China, 2013
- Pervasive Technologies Related to Assistive Environments (PETRA 2013), Rhodes Island, Greece, 2013.
- IADIS Theory and Practice in Modern Computing Conference 2013, Prague, Czech Republic, 2013.
- The 10th International Conference on Wireless Information networks and Systems (WINSYS 2013), Reykjavik, Iceland, July 2013.
- The 11th ACM International Symposium on Mobility Management and Wireless Access (MOBIWAC) 2013, Barcelona Spain, November 2013.
- The 2nd IEEE/SAE/ACM/IFAC International Conference on Connected Vehicles & Expo (ICCV 2013), Las Vegas, Nevada, USA, December 2-6, 2013.
- IEEE Wireless Communications and Networking Conference (IEEE WCNC 2014) (Networks Track) Istanbul, Turkey, April 2014.
- Pervasive Technologies Related to Assistive Environments (PETRA 2014), Rhodes Island, Greece, 2014.

- The 11th International Conference on Wireless Information Networks and Systems (WINSYS 2014), Vienna, Austria, 28-30, August 2014.
- The 12th ACM International Symposium on Mobility Management and Wireless Access (MOBIWAC 2014), Montreal, Canada, September 21-26, 2014.
- The 9th International Conference on Internet and Web Applications and Services (ICIW) 2014, July 20 - 24, 2014, Paris, France.
- The 3rd IEEE/SAE/ACM/IFAC International Conference on Connected Vehicles & Expo (ICCVE 2014), Vienna, Austria, November 3-7, 2014.
- The 3rd International Conference on Theory and Practice in Modern Computing (TPMC 2014), Lisbon, Portugal, July 15-17, 2014.
- IEEE Wireless Communications and Networking Conference (IEEE WCNC 2015) (Networks Track) , New Orleans, USA, March 2015.
- The 12th International Conference on Wireless Information Networks and Systems (WINSYS 2015), Colmar, Alsace, France, 20-22 July 2015.
- International Symposium on Intelligent Systems Technologies and Applications (ISTA'15), August 10-13, 2015, Kochi, India.
- The 4th International Conference on Theory and Practice in Modern Computing (TPMC 2015), Las Palmas de Gran Canaria, Spain, July 2015.
- The 4th IEEE International Conference on Connected Vehicles & Expo (ICCVE 2015), Shenzhen, China, October 19-23, 2015.
- The 13th ACM International Symposium on Mobility Management and Wireless Access (MOBIWAC 2015), Cancun, Mexico, November 2-6, 2015.
- IEEE Wireless Communications and Networking Conference (IEEE WCNC 2016) (Networks Track), Doha, Qatar, April 3-6, 2016.
- The 11th International Conference on Internet and Web Applications and Services (ICIW) 2016, May 22 - 26, 2016, Valencia, Spain.
- The 13th International Conference on Wireless Information Networks and Systems (WINSYS 2016), Lisbon, Portugal, July 26-28, 2016
- The 5th International Conference on Theory and Practice in Modern Computing (TPMC 2016), Madeira, Portugal, 2-4 July 2016.
- The 5th IEEE International Conference on Connected Vehicles & Expo (ICCVE 2016), Seattle, WA, USA, September 12-16, 2016.
- The 20th Pan-Hellenic Conference on Informatics (PCI 2016) with International Participation, November 10-12, Patras, Greece 2016 (Program Committee Co-Chair).
- The 2th International Symposium on Intelligent Systems, Technologies and Applications (ISTA 2016), Jaipur, India, 21-24 September, 2016.
- The 14th ACM International Symposium on Mobility Management and Wireless Access (MOBIWAC 2016), Malta, November 13-17, 2016.
- IEEE Wireless Communications and Networking Conference (IEEE WCNC 2017)
- The 14th International Conference on Wireless Information Networks and Systems (WINSYS 2017), Madrid, Spain, July 26-28, 2017.

- The 21st Pan-Hellenic Conference on Informatics (PCI 2017) with International Participation, September 28-30, Larisa, Greece, 2017.
- The 22nd IEEE Symposium on Computers and Communications (ISCC 2017), Heraklion, Crete, Greece, July 3-6, 2017.
- ACM womENCourage 2017, The ACM Celebration of Women in Computing, September 6-8, 2017, Barcelona Spain.
- The 15th ACM International Symposium on Mobility Management and Wireless Access (MOBIWAC 2017), Miami, FL, USA, November 21-25, 2017.
- The 4th International Symposium on Intelligent Systems Technologies and Applications (ISTA'18), September 19-22, 2018, Bangalore, India.
- The 15th International Conference on Wireless Information Networks and Systems (WINSYS 2018), Portugal, 2018.

Conference/Workshop Chair - Organizing Committee Chair

- 1st International Workshop on Intelligent and Sustainable Urban Transportation (ISUT 2017) in association with the 22th IEEE Symposium on Computers and Communications (ISCC 2017), July 2017, Workshop co-Chair.
- 3rd Workshop on Modeling, Computing and Data Handling for Marine Transportation (MCDMT 2016) in association with the 8th International Conference on Information, Intelligence, Systems and Applications (IISA 2017) August 2017, Workshop co-Chair <http://iisa2017.unipi.gr/mcdmt/>
- 28th European Conference on Operational Research (EURO 2016), Session Organizer (Sustainable Multimodal Urban Mobility – Stream: Public Transportation), July 2016.
- 2nd Workshop on Modeling, Computing and Data Handling for Marine Transportation (MCDMT 2016) in association with the 7th International Conference on Information, Intelligence, Systems and Applications (IISA 2016) July 2016, Workshop co-Chair <http://iisa2016.unipi.gr/mcdmt/>.
- 1st Workshop on Modeling, Computing and Data Handling for Marine Transportation (MCDMT 2015) in association with the 6th International Conference on Information, Intelligence, Systems and Applications (IISA 2015), July 2015, Workshop co-Chair.
- 26th European Conference on Operational Research (EURO 2013), Session Organizer (Stream Public Transportation).
- International Workshop on Mobility in Wireless Sensor Networks (MobiSensor'2011). MobiSensor'2011 was held in conjunction with the 7th IEEE International Conference on Distributed Computing in Sensor Systems (DCOSS '11), Workshop co-Chair.
- International Workshop on Mobility in Wireless Sensor Networks (MobiSensor'2010). MobiSensor'2010 was held in conjunction with the 6th IEEE International Conference on Distributed Computing in Sensor Systems (DCOSS '10), Workshop co-Chair.

- PErsasive Technologies Related to Assistive Environments (PETRA 2011), Conference co-Chair.
- Workshop on Privacy and Security in Pervasive e-Health and Assistive Environments (PSPAEE 2011), Workshop Chair.
- Workshop on Privacy and Security in Pervasive e-Health and Assistive Environments (PSPAEE 2009), Workshop Chair.
- PErsasive Technologies Related to Assistive Environments (PETRA 2008), Organizing Committee Chair.
- DAGS'94, *Third Annual Symposium of the Dartmouth Institute for Advanced Graduate Studies in Parallel Computation*, Topic: "Parallel Computing in Problem Solving Environments", July 5-8, 1994, Hanover, NH, Organizing Committee co-Chair.
- DAGS'93 and DAGS'94 Schools on Parallel Programming, Organizing Committee co-Chair .
- RALCOM'97, *School and Workshop on Randomized Algorithms in Sequential, Parallel, and Distributed Computing*, (Organizing Committee co-Chair), October 6-11, 1997.
- DISC'98 (Formerly, WDAG), *International Conference on Distributed Computing*, 1998, Organizing Committee co-Chair.

Recent Invited talks

1. "Algorithmic Methods for Deriving Multi-Modal Personalized Tourist Tours", invited talk presentation in the 26th European Conference on Operational Research (EURO XXVI - <http://euro2013.org/>), Rome, Italy, July 1-4, 2013.
2. "Heuristic Approaches for the Time Dependent Team Orienteering Problem with Time Windows", invited talk presentation in the eCOMPASS Workshop on Eco Friendly Mobility: Concepts and Algorithms, Zürich, Switzerland, January 22-23, 2014.
3. "An Incentivized Relocation Scheme for Balancing Vehicle Sharing Systems", invited talk presentation in the MOVESMART Workshop on Renewable Mobility Services in Smart Cities: Challenges, Approaches and Social Aspects, Bilbao, Spain, October 15, 2015.
4. "An Incentivized Relocation Scheme for Balancing Vehicle Sharing Systems", invited talk presentation in the 28th European Conference on Operational Research, Poznan, Poland, July 3-6, 2016.

Publications

1. Books

1. G. Pantziou, V. Mamalis and A. Tomaras, "Introduction to Parallel Computing: Models, Algorithms and Programming", New Technologies Publications, 2013 (in Greek).

2. Grammati Pantziou and Alexandros Tomaras, "Elements of Parallel Computing", *New Technologies Publications*, 2003 (in Greek).
3. F. Makedon, L. Baillie, G. Pantziou, I. Maglogiannis, (Editors), *Proceedings of the 1st International Conference on Pervasive Technologies Related to Assistive Environments (PETRA 2008)*, ACM International Conference Proceedings Series 282, ISBN 978-1-605562, ACM 2008 <http://dl.acm.org/citation.cfm?id=1389586>.
4. M. Betke, I. Maglogiannis, G. Pantziou (Editors), *Proceedings of the 4th International Conference on Pervasive Technologies Related to Assistive Environments (PETRA 2011)*, ACM International Conference Proceedings Series, ISBN: 978-1-4503-0772-7, ACM 2011, <http://dl.acm.org/citation.cfm?id=2141622&picked=prox&CFID=66411180&CFTOKEN=13965837>
5. C. Zaroliagis, G. Pantziou, S. Kontogiannis (Editors), "Algorithms, Probability, Networks, and Games", *Lecture Notes in Computer Science Vol. 9295*, ISBN 978-3-319-24023-7, Springer 2015.
6. C. Konstantopoulos, G. Pantziou (Editors), "Modelling, Computing and Data Handling Methodologies for Maritime Transportation", *Intelligent Systems Reference Library Book Series, ISRL Vol. 131*, ISBN 978-3-319-61800-5, Springer 2017.

2. Book Chapters

1. B. Mamalis, D. Gavalas, C. Konstantopoulos and G. Pantziou, "Clustering in Wireless Sensor Networks", in "RFID and Sensor Networks: Architectures, Protocols, Security and Integrations", Y. Zhang, L. T. Yang, J. Chen (Eds.), ISBN-10: 1420077775, Chapter 12, pp. 324-353, CRC Press, November 2009.
2. A. Mpitziopoulos, D. Gavalas, C. Konstantopoulos and G. Pantziou, "Mobile Agent Middleware for Autonomic Data Fusion in Wireless Sensor Networks", in "Autonomic Computing and Networking", M.K. Denko, L.T. Yang and Y. Zhang (Eds.), ISBN: 978-0-387-89827-8, Chapter 3, pp. 57-81, Springer, USA, May 2009.
3. A. Mpitziopoulos, D. Gavalas, C. Konstantopoulos and G. Pantziou, "Jamming in Wireless Sensor Networks", in "Security in RFID and Sensor Networks", Y. Zhang and P. Kitsos (Eds.), ISBN-10: 1420068393, Chapter 18, pp. 375-397, Auerbach Publications (Taylor & Francis Group), April 2009.
4. D. Gavalas, C. Konstantopoulos, B. Mamalis and G. Pantziou, "Mobility Prediction in Mobile Ad Hoc Networks", Book chapter for "Encyclopedia of Next Generation Networks and Ubiquitous Computing", Idea Group Inc. (IDI Global), USA, Ed. Samuel Pierre, pp. 226-240, 2010, ISBN13: 9781605662503, <http://www.igi-global.com/bookstore/TitleDetails.aspx?TitleId=40271&DetailsType=Chapters>
5. I. Chatzigiannakis, D. Fotakis, S. Kontogiannis, O. Michail, S. Nikolettseas, G. Pantziou and C. Zaroliagis, "A Glimpse at Paul G. Spirakis", in "Algorithms, Probability,

Networks, and Games”, Lecture Notes in Computer Science Vol. 9295, pp. 3-24, ISBN 978-3-319-24023-7, Springer 2015.

6. B. Mamalis and G. Pantziou, “Advances in the Parallelization of the Simplex Method”, in “Algorithms, Probability, Networks, and Games”, Lecture Notes in Computer Science Vol. 9295, pp. 281-307, ISBN 978-3-319-24023-7, Springer 2015.
7. D. Gavalas, C. Konstantopoulos and G. Pantziou, "Design & Management of Vehicle Sharing Systems: A Survey of Algorithmic Approaches", in "Smart Cities and Homes: Key Enabling Technologies", M.S. Obaidat and P. Nicopolitidis (Eds.), Elsevier Science, 2016.
8. A. Veneti, C. Konstantopoulos and G. Pantziou, “Evolutionary Computation for the Ship Routing Problem”, in “Modelling, Computing and Data Handling Methodologies for Maritime Transportation”, Chapter 4, pp. 95-115, ISBN 978-3-319-61800-5, Springer 2017.

3. Journals

- [J1] C. Konstantopoulos, N. Vathis, G. Pantziou and D. Gavalas, “Employing Mobile Elements for Delay-Constrained Data Gathering in WSNs”, *Computer Networks Journal*, Elsevier, Vol. 135, pp. 108-131, 2018.
<https://doi.org/10.1016/j.comnet.2018.02.007>
- [J2] D. Gavalas, I. Venetis, C. Konstantopoulos and G. Pantziou, “Mobile Agent Itinerary Planning for WSN Data Fusion: Considering Multiple Sinks and Heterogeneous Networks”, *International Journal of Communication Systems*, Wiley, 30(8), 2017.
- [J3] A. Veneti, A. Makrygiorgos, C. Konstantopoulos, G. Pantziou and I. Vetsikas, “Minimizing the fuel consumption and the risk in maritime transportation: A bi-objective weather routing approach”, *Computers and Operations Research Journal*, Elsevier, Vol. 88, pp. 220-236, 2017.
<http://www.sciencedirect.com/science/article/pii/S0305054817301934?via%3Dihub>
- [J4] I. Venetis, D. Gavalas, G. Pantziou and C. Konstantopoulos, “Mobile Agents-Based Data Aggregation in WSNs: Benchmarking Itinerary Planning Approaches”, *Wireless Networks Journal*, Springer, 2017, DOI:10.1007/s11276-017-1460-y
- [J5] D. Gavalas, V. Kasapakis, C. Konstantopoulos, G. Pantziou, and N. Vathis, “Scenic Route Planning for Tourists”, *Personal and Ubiquitous Computing Journal*, Springer, 21(1), 137-155, 2017.
- [J6] C. Konstantopoulos, G. Pantziou, I. Venetis and D. Gavalas, “Efficient Event Handling in Wireless Sensor and Actor Networks: An On-line Computation Approach”, *Journal of Network and Computer Applications*, Elsevier, Vol. 75, pp. 181-199, November 2016.

- [J7] D. Gavalas, C. Konstantopoulos, K. Mastakas, G. Pantziou, and N. Vathis, "Efficient Metaheuristics for the Mixed Team Orienteering Problem with Time Windows", *Algorithms Journal*, MDPI, 9(1):6, 2016. <http://www.mdpi.com/1999-4893/9/1/6/html>
- [J8] D. Gavalas, I. Venetis, C. Konstantopoulos, G. Pantziou, "Energy-efficient multiple itinerary planning for mobile agents-based data aggregation in WSNs", *Telecommunication Systems Journal*, Springer, pp. 1-15, February 2016.
- [J9] D. Gavalas, V. Kasapakis, C. Konstantopoulos, G. Pantziou, N. Vathis, C. Zaroliagis, "The eCOMPASS Multimodal Tourist Tour Planner", *Expert Systems With Applications Journal*, Elsevier Science, 42(21), pp. 7303-7316, November 2015.
- [J10] A. Dasios, D. Gavalas, G. Pantziou, and C. Konstantopoulos, "Hands-on Experiences in Deploying Cost-Effective Ambient-Assisted Living Systems", *Sensors Journal*, MDPI, 15(6), pp. 14487-14512, 2015. <http://www.mdpi.com/1424-8220/15/6/14487>
- [J11] D. Gavalas C. Konstantopoulos, K. Mastakas, G. Pantziou, and N. Vathis, "Approximation Algorithms for the Arc Orienteering Problem", *Information Processing Letters Journal*, Elsevier, 115(2): 313-315, 2015.
- [J12] D. Gavalas, C. Konstantopoulos, K. Mastakas, G. Pantziou, and N. Vathis, "Heuristics for the time dependent team orienteering problem: Application to tourist route planning", *Computers and Operations Research Journal*, Elsevier, 62, pp. 36-50, 2015. URL: <http://www.sciencedirect.com/science/article/pii/S0305054815000817>
- [J13] C. Konstantopoulos, B. Mamalis, G. Pantziou, and V. Thanasias, "An Image Processing Inspired Mobile Sink Solution for Energy Efficient Data Gathering in Wireless Sensor Networks", *Wireless Networks*, Springer, Vol. 21:1 (2015), pp. 227-249.
- [J14] D. Gavalas, C. Konstantopoulos, K. Mastakas and G. Pantziou, "A Survey on Algorithmic Approaches for Solving Tourist Trip Design Problems", *Journal of Heuristics*, Springer, 20(3), 291-328, 2014, <http://www.springer.com/alert/urltracking.do?id=L4715d25Meade66Sa8ff044>
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