

Curriculum Vitae



Grammati Pantziou

Professor at the Department of Informatics and Computer Engineering

Vice-Rector of Administrative Affairs

University of West Attica, Athens, Greece

<https://www.uniwa.gr/en/>

Address: Ag. Spyridonos St., 122 43 Egaleo, Athens, Greece

phone: +30-210-5385570-1, +30-210-53857330

e-mail: pantziou@uniwa.gr

web page: <http://users.uniwa.gr/pantziou>

Contents

Education	3
Scholarships for Studies and Research	3
Professional Experience	3
Additional Professional Activity	3
Main Research Interests	4
Teaching Experience	4
Selected Funded Research	5
Editor (Journals and Conference Proceedings).....	7
Refereeing	9
Program Committee Member	9
Conference/Workshop Chair - Organizing Committee Chair	13
Selected Invited Talks	14
Publications	15
Books.....	15
Book Chapters	15
Journals.....	16
Refereed International Conference Proceedings.....	23
International Conference Articles (with abstract submission)	32
Unrefereed Workshop Proceedings	33
Selected Technical Reports	34
Other Articles (in Greek).....	35
Citations	35

Education

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

Scholarships for Studies and Research

- Scholarships from the Greek State Scholarship Foundation (IKY) during the undergraduate studies at the Department of Mathematics, University of Patras.
- 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 Sidney, Australia, (Feb. - March 1996).

Professional Experience

- Professor at the Department of Informatics and Computer Engineering, University of West Attica, Greece (March 2018 - today)
- Professor at the Department of Informatics of the Technological Educational Institute of Athens, Greece (1998- March 2018).
- Senior Researcher at the Computer Technology Institute, Patras (1995-1998).
- Assistant Professor at the Computer Science Department, University of Central Florida, Orlando, FL, USA (1994-1995).
- Research Assistant Professor at the Computer Science Department, 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 (1986-1991).

Additional Professional Activity

- Vice Rector for Administrative Affairs, University of West Attica (Sep. 2019 - today)
- Member of the Governing Committee, University of West Attica (March 2018 - Aug. 2019)
- President of the Research Committee, University of West Attica (Oct. 2018 - Aug. 2019)

- Director of the Parallel and Distributed Systems and Networks Lab (PDSN Lab), Department of Informatics and Computer Engineering, University of West Attica <http://pdsn.uniwa.gr/> (2015 - 2019)
- Director of the M.Sc. Program “New Generation Communication Networks and Distributed Applications Environments”, Department of Informatics and Computer Engineering, University of West Attica <http://msc-ngnda.ice.uniwa.gr/> (2021 -)
- Director of the M.Sc. Program “Computing and Network Technologies”, Department of Informatics and Computer Engineering”, University of West Attica (2013 -)
- 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

Algorithms and Applications, Parallel and Distributed Computing, Mobile Ad-Hoc & Wireless Sensor Networks, Pervasive and Mobile Computing, Internet of Things, Security Issues in Computing Environments.

Teaching Experience

Department of Informatics and Computer Engineering, University of West Attica (2018-)

- Discrete Mathematics
- Introduction to Parallel Computation
- Wireless Sensor Networks
- Design and Analysis of Algorithms
- Distributed Systems
- Parallel and Distributed Systems (Graduate Level)
- Sensor Networks and Internet of Things (Graduate Level)
- Optimization Techniques: Applications and Examples (Graduate Level)

Department of Informatics of the Technological Educational Institute of Athens, Greece (1998-2018)

- 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. iDeliver (Πληθοποριστική πλατφόρμα παράδοσης αγαθών ως υπηρεσία) "Research-Create-Innovate", Operational Programme Competitiveness, Entrepreneurship and Innovation 2014-2020), 7/2020- 03/2023.
2. COOPERATION PROGRAMME: (Interreg V-A) EL-IT - Greece-Italy, Project "Investment", 1/6/2018-31/5/2020, Key Researcher.
3. TouristHub ("Aggregation and provision of integrated tourist and travel services"). "Research-Create-Innovate", Operational Programme Competitiveness, Entrepreneurship and Innovation 2014-2020, 2018-2021, Key Researcher.
4. SocialPARK ("Integrated Platform 'Parking as a Service' to facilitate searching for vacant parking lots based on crowdsourcing"). "Research-Create-Innovate", Operational Programme Competitiveness, Entrepreneurship and Innovation 2014-2020), 2018-2021.

5. European Community, Seventh Framework Programme (CIP-ICT), Project *“Holistic Personal public Eco-mobility (HoPE)”*, 2014 – 2017, Key Researcher.
6. European Community, HORIZON 2020/RIA/ICT, Project *“Enhanced Buying Experiences in Smart Cities (SMARTBUY), 1/2016-06/2018”*, Key Researcher.
7. European Community, Seventh Framework Programme (FP7-ICT), Project: *“Renewable Mobility Services in Smart Cities (MOVESMART)”*, 2013-2016, Key Researcher.
8. 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.
9. European Community and Greek Government Project SYNERGASIA: *“Analysis of Marine Information for Environmentally Safe Shipping (AMINESS)”*, 2013-2015, Key Researcher.
10. European Community, Seventh Framework Programme (FP7-ICT), Project: *“eCO-friendly urban Multi-modal route Planning Services for Mobile uSers (eCOMPASS)”*, 2011-2014, Key Researcher.
11. European Community and Greek Government Project Archimedes III: *«Κατανεμημένα Συστήματα Ευρείας Κλίμακας – Ανάπτυξη Προηγμένων Πρωτοκόλλων και Εφαρμογές των Διομήτιμων Συστημάτων»*, 2012-2015 Key Researcher.
12. European Community and Greek Government Project Thalís: *“From Graph Theory to Matroids: Algorithmic Issues and Applications”*, 2012-2015, Researcher
13. European Community and Greek Government, Project: *“Support of Computer Science Studies in the Technological Educational Institute of Athens”*, 2003-2008, Scientific Coordinator.
14. Greek Government, General Secretariat for Research and Technology (GSRT), Project POLYTIMO, 2006-2008, Key Researcher.
15. European Community and Greek Government, Project Archimedes: *“Communication Protocols: Design, Analysis and Application in Parallel, Distributed and Mobile Environments (PROTEAS)”*, 2004-2006, Scientific Coordinator.
16. European Community and Greek Government Project Archimedes: *Parallel Based on Content Information Retrieval (PACOCLIR)*, 2004-2006, Key Researcher.
17. European Community and Greek Government Program *“School Libraries -PNYKA”*, 1999-2001, Member of the Scientific Committee.
18. ESPRIT II Basic Research Action Program of the EC, Project *ALCOM-IT (Algorithms and COMplexity in Information Technology)*, 1995-1998, Deputy Scientific Coordinator.

19. ESPRIT II Basic Research Action Program of the EC, Project *GEPPCOM (foundations of General Purpose Parallel COMputing)*, 1995-1997, Deputy Scientific Coordinator.
20. “*Computer Technology Institute - Technical Support Consultant for the Information System and Network Infrastructure of the Greek Parliament*”, 1996-1998, Deputy Scientific Coordinator.
21. National Science Foundation (NSF), U.S.A., *Postdoctoral Fellowship*, 1992-1994.
22. 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.
23. 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.
24. STRIDE Research and Development, Project *TEXTILE*, 1991-1994.
25. ESPRIT II Basic Research Action Program of the European Community under contract No. 7141, Project ALCOM (ALgorithms and COMplexity) II. (1992-1994)
26. ESPRIT II Basic Research Program of the European Community under contract No. 3045, Project ALCOM (ALgorithms and COMplexity) I. (1989-1992)
27. 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. Editor of *Algorithms Journal*, MDPI.
2. Editor-in-Chief of the Section Board “Parallel and Distributed Algorithms”, *Algorithms Journal*, MDPI.
3. Editor of *Journal of Cybersecurity and Privacy*, MDPI.
4. Associate Editor of the *Security and Communication Networks Journal* (Wiley)
5. Guest Editor with D. Gavalas, Ch. Konstantopoulos and P. Vansteenwegen, *Applied Soft Computing Journal*, Elsevier, Special Issue on “Tourist Trip Planning: Algorithmic Foundations” 2022, <https://www.sciencedirect.com/journal/applied-soft-computing>
6. Guest Editor with Ch. Konstantopoulos , *Algorithms Journal*, MDPI, Special Issue on “Parallel and Distributed Computing: Algorithms and Applications”, 2021, <https://www.mdpi.com/journal/algorithms/special-issues/parallel-distributed-computing>

7. Guest Editor with D. Gritzalis and R. Roman-Castro, *Sensors Journal*, MDPI, Special Issue on "Sensors Cybersecurity", 2020, https://www.mdpi.com/journal/sensors/special_issues/SCyber
8. Guest Editor with Ch. Konstantopoulos , *Algorithms Journal*, MDPI, Special Issue on "Modelling Computing and Data Handling for Marine Transportation", 2018. https://www.mdpi.com/journal/algorithms/special_issues/Modeling_Computing
9. 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.
10. 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.
11. 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.
12. 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/>
13. 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/>
14. 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.
15. Guest Editor with D. Gavalas and Ch. Konstantopoulos, *Computer Journal* (Oxford University Press), Special Issue on "Mobility on Wireless Sensor Networks", 2011.
16. 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.
17. Editor of the *Journal of Universal Computer Science (JUICS)*.
18. Editor of the *electronic Journal on E-Commerce Tools and Applications (eJETA)*.

19. 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"*.
20. 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 (JUCS), 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 coChair.

- 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 coChair.
- Workshop on Privacy and Security in Pervasive e-Health and Assistive Environments (PSPAEE 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 (ICCVE 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.
- The 16th ACM International Symposium on Mobility Management and Wireless Access (MOBIWAC 2018), Montreal, Canada, October 28-November 2, 2018.
- The 22nd Pan-Hellenic Conference on Informatics (PCI 2018) with International Participation, November 29 –December 1, Athens, Greece, 2018.
- The 26th International Conference on Telecommunications, April 8-10, 2019.
- IEEE MENACOMM 2019, 19-21 November, Bahrain, 2019.
- The 19th Symposium on Algorithmic Approaches for Transportation Modeling, Optimization, and Systems (ATMOS 2019), September 9-13, Munich, Germany, 2019.
- The 34th International Conference on Information Networking (ICOIN 2020), January 7-10, Barcelona, 2020.
- The 17th International Conference on Wireless Information Networks and Systems (WINSYS 2020), July 8-10, Paris, France, 2020.
- The 15th International Conference on Systems and Networks Communications (ICSNC 2020), October 18-22, Porto, Portugal, 2020.
- The 16th International Conference on Wireless and Mobile Computing, Networking and Communications (WiMob 2020), October 12-14, Thessaloniki, Greece, 2020.
- International Workshop on Cyber Security (CSW 2021), Stockholm Sweden August 13-15, 2021.
- The 18th International Conference on Wireless Networks and Mobile Systems (WINSYS 2021), July 7-9, 2021.
- The 10th International Conference on Theory and Practice in Modern Computing (TPMC 2021), Virtual, 21 - 23 July 2021.
- The 26nd IEEE Symposium on Computers and Communications (ISCC 2021), Athens, Greece, September 5-8, 2021.
- 3ICT2021 - International Conference on Innovation and Intelligence for Informatics, Computing and Technologies, Bahrain, September 5-8, 2021.
- The 27nd IEEE Symposium on Computers and Communications (ISCC 2022), Rhodes, Greece, June 30 – July 3, 2022.
- The 19th International Conference on Wireless Networks and Mobile Systems (WINSYS 2022), Lisbon, Portugal, July 11-13, 2022.
- The 11th International Conference on Theory and Practice in Modern Computing (TPMC 2022), Lisbon, Portugal, 19 - 22 July 2022.

Conference/Workshop Chair - Organizing Committee Chair

1. The 3rd Summit on Gender Equality in Computing, organized by the [Greek ACM-W Chapter](#), July 2, 2021, Athens, Greece, General Chair <https://acmw-gr.acm.org/en/gec21>
2. The 1st Women in Data Science (WiDS) Athens Forum (part of the annual WiDS Worldwide conference organized by Stanford University), May 19, Athens, Greece, Conference Co-Chair <https://wa-forum.org/>
3. The 1st Summit on Gender Equality in Computing, Poster Session: Research and Profession in Computing, 07 June, 2019, Athens, Poster Session Chair <https://gec19.athenarc.gr/>.
4. The 22nd Pan-Hellenic Conference on Informatics (PCI 2018) with International Participation, November 29 – December 1, Athens, Greece, 2018, General Co-Chair.
5. 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/>
6. 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.
7. 28th European Conference on Operational Research (EURO 2016), Session Organizer (Sustainable Multimodal Urban Mobility - Stream: Public Transportation), July 2016.
8. 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/>.
9. 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.
10. 26th European Conference on Operational Research (EURO 2013), Session Organizer (Stream Public Transportation).
11. 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.

12. 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.
13. PErvasive Technologies Related to Assistive Environments (PETRA 2011), Conference co-Chair.
14. Workshop on Privacy and Security in Pervasive e-Health and Assistive Environments (PSPA 2011), Workshop Chair.
15. Workshop on Privacy and Security in Pervasive e-Health and Assistive Environments (PSPA 2009), Workshop Chair.
16. PErvasive Technologies Related to Assistive Environments (PETRA 2008), Organizing Committee Chair.
17. 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.
18. DAGS'93 and DAGS'94 Schools on Parallel Programming, Organizing Committee co-Chair.
19. RALCOM'97, *School and Workshop on Randomized Algorithms in Sequential, Parallel, and Distributed Computing*, (Organizing Committee co-Chair), October 6-11, 1997.
20. DISC'98 (Formerly, WDAG), *International Conference on Distributed Computing*, 1998, Organizing Committee co-Chair.

Selected 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

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.
7. N. Karanikolas, B. Mamalis, J. Kontos, G. Pantziou, S. Gritzalis, C. Douligeris (Editors), *Proceedings of the 22nd Pan-Hellenic Conference on Informatics (PCI 2018)*, ACM International Conference Proceedings Series, ISBN: 978-1-4503-6610-6, ACM 2018.

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. Mpitiopoulos, 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. Mpitzopoulos, 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.
9. D. Gavalas, K. Giannakopoulou, V. Kasapakis, D. Kehagias, C. Konstantopoulos, S. Kontogiannis, D. Kypriadis, G. Pantziou, C. Zaroliagis, "Renewable Mobility in Smart Cities: The MOVESMART approach" In: Banat M., Paiva S. (eds) *Smart Technologies for Smart Cities*. EAI/Springer Innovations in Communication and Computing, Springer, pp. 135-157, 2020.

Journals

- [J1] N. Vathis, C. Konstantopoulos, G. Pantziou and D. Gavalas, "The Vacation Planning Problem: A Multi-Level Clustering-based Metaheuristic Approach", *Computers and Operations Research Journal*, Elsevier, 2022.
- [J2] D. Gritzalis, G. Pantziou, R. Román-Castro, "Sensors Cybersecurity", *Sensors*. 2021; 21(5):1762. <https://doi.org/10.3390/s21051762>

- [J3] N. Chouliaras, G. Kittes, I. Kantzavelou, L. Maglaras, G. Pantziou, M.A. Ferrag, "Cyber Ranges and TestBeds for Education", *Training and Research. Appl. Sci.* 2021, 11:1809. [https://doi.org/ 10.3390/app11041809](https://doi.org/10.3390/app11041809)
- [J4] D. Kypriadis, G. Pantziou, C. Konstantopoulos, D. Gavalas, "Optimizing Relocation Cost in Free-Floating Car-Sharing Systems", *IEEE Transactions on Intelligent Transportation Systems*, 21(9), pp. 4017-4030, 2020.
- [J5] L. Bourg, T. Chatzidimitris, I. Chatzigiannakis, D. Gavalas, K. Giannakopoulou, V. Kasapakis, C. Konstantopoulos, D. Kypriadis, G. Pantziou and C. Zaroliagis, Enhancing Shopping Experiences in Smart Retailing, *Journal of Ambient Intelligence and Humanized Computing*, (2021). <https://doi.org/10.1007/s12652-020-02774-6>
- [J6] T. Chatzidimitris, D. Gavalas, V. Kasapakis, D. Kypriadis, C. Konstantopoulos, G. Pantziou, C. Zaroliagis, "A Location History-Aware Recommender System for Smart Retail Environments", *Personal and Ubiquitous Computing*, Springer Science (indexed in Thomson's ISI Web of Knowledge), 24(5), pp. 683-694, October 2020.
- [J7] D. Gavalas, C. Konstantopoulos, K. Mastakas and G. Pantziou, "Efficient Cluster-based Heuristics for the Team Orienteering Problem with Time Windows", *Asia-Pacific Journal of Operational Research*, Vo. 36, No. 1, 2019.
- [J8] A. Angelopoulos, D. Gavalas, C. Konstantopoulos, D. Kypriadis and G. Pantziou, "Incentivized Relocation in Vehicle Sharing Systems", *Transportation Research Part C: Emerging Technologies Journal*, Elsevier, Elsevier, Vol. 97, pages 175-193, 2018.
- [J9] 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>
- [J10] 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.
- [J11] 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>
- [J12] 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

- [J13] 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.
- [J14] 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.
- [J15] 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/htm>
- [J16] 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.
- [J17] 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.
- [J18] 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>
- [J19] 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.
- [J20] 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>
- [J21] 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.
- [J22] 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>
- [J23] D. Gavalas, C. Konstantopoulos, K. Mastakas and G. Pantziou, "Mobile Recommender Systems in Tourism", *Journal of Networks and Computer Applications*, Elsevier Science, 39, pp. 319-333, March 2014. <http://www.sciencedirect.com/science/article/pii/S1084804513001094>

- [J24] I. Maglogiannis, F. Makedon, G. Pantziou and M. Betke, "Pervasive technologies and assistive environments: cognitive systems for assistive environments: special issue of PETRA 2010 and 2011 conferences", Editorial, *Universal Access in the Information Society Journal (UAIS)*, Springer, 13(1), pp. 1-4, 2014.
- [J25] I. Maglogiannis, M. Betke, G. Pantziou and F. Makedon "Assistive environments for the disabled and the senior citizens: theme issue of PETRA 2010 and 2011 conferences", Editorial, *Personal and Ubiquitous Computing*, Springer, 18(1), pp. 1-3, 2014.
- [J26] P. Belsis and G. Pantziou, "A k -Anonymity Privacy preserving approach in Wireless Medical Monitoring Environments", *Personal and Ubiquitous Computing*, 18(1), pp.61-74, Springer, 2014. <http://link.springer.com/content/pdf/10.1007%2Fs00779-012-0618-y.pdf>
- [J27] B. Mamalis, G. Pantziou, G. Dimitropoulos, D. Kremmydas, "Highly Scalable Parallelization of Standard Simplex Method on a Myrinet Connected Cluster Platform", *ACTA Intl Journal of Computers and Applications*, Vol. 35, No. 4, pp. 152-161, December 2013.
- [J28] C. Konstantopoulos, G. Pantziou, D. Gavalas, A. Mpitziopoulos and B. Mamalis, "A Rendezvous-Based Approach Enabling Energy-Efficient Sensory Data Collection with Mobile Sinks", *IEEE Transactions on Parallel and Distributed Systems*, 23(5), pp. 809-817, 2012. <http://www.computer.org/portal/web/csdl/doi/10.1109/TPDS.2011.237>
- [J29] P. Belsis, C. Konstantopoulos, B. Mamalis, G. Pantziou, C. Skourlas: User-Directed, Cluster-Based Retrieval for Large Document Collections in Highly Parallel Environments. *I. J. Comput. Appl.* 19(1): 47-60, 2012.
- [J30] D. Gavalas, M. Kenteris, C. Konstantopoulos, and G. Pantziou, "A Web Application for Recommending Personalized Mobile Tourist Routes", The Institute of Engineering and Technology, *Software, IET*, Vol. 6, No. 4, pp. 313-322, August 2012. URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6322853&isnumber=6322849>
- [J31] G. Pantziou, F. Makedon and P. Belsis, "Privacy and Security in Pervasive e-Health and Assistive Environments", Editorial, *Security and Communication Networks Journal (Wiley)*, Volume 4, Issue 11, pp. 1227-1229, November 2011. <http://onlinelibrary.wiley.com/doi/10.1002/sec.318/pdf>
- [J32] D. Gavalas, G. Pantziou, C. Konstantopoulos, "Mobility in wireless sensor networks", Editorial, *Computer Journal*, Oxford University Press, Volume 54, Issue 12, pp. 1928-1930, November 2011. <http://comjnl.oxfordjournals.org/content/54/12/1928.short?rss=1>
- [J33] A. Mpitziopoulos, D. Gavalas, C. Konstantopoulos, and G. Pantziou, "CBID: A Scalable Method for Distributed Data Aggregation in Wireless Sensor Networks", *International*

Journal of Distributed Sensor Networks, Taylor & Francis, Vol. 2010, Article ID 206517, 13 pages, 2010. doi:10.1155/2010/206517.

- [J34] A. Mpitiopoulos, C. Konstantopoulos, D. Gavalas, G. Pantziou, "A Pervasive Assistive Environment for Visually Impaired People Using Wireless Sensor Network Infrastructure", *Journal of Network and Computer Applications*, Elsevier, Vol. 34, Issue 1, pp. 194-206, January 2011. <http://www.sciencedirect.com/science/article/pii/S1084804510001396>
- [J35] I. Maglogiannis, F. Makedon, G. Pantziou and L. Baillie, "Pervasive Technologies and Assistive Environments: Social Impact, Financial, Government and Privacy Issues" Editorial, *Universal Access in the Information Society Journal (UAIS)*, Springer, 10(2): 111-114 (2011), <http://www.springerlink.com/content/9r22595g4i43n03p/>
- [J36] I. Maglogiannis, F. Makedon, G. Pantziou and L. Baillie, "Pervasive technologies for assistive environments: special issue of PETRA 2008 conference", Editorial, *Personal and Ubiquitous Computing Journal*, Springer, Volume 14, Number 6, Pages 469-471, 2010, <http://www.springerlink.com/content/vu387728p682n414/>
- [J37] C. Konstantopoulos, A. Mpitiopoulos, D. Gavalas, and G. Pantziou "Effective Determination of Mobile Agent Itineraries for Data Aggregation on Sensor Networks", *IEEE Transactions on Knowledge and Data Engineering*, 22(12), pp. 1679-1693, December 2010. <http://www.computer.org/portal/web/csdl/doi/10.1109/TKDE.2009.203>
- [J38] D. Gavalas, A. Mpitiopoulos, G. Pantziou and C. Konstantopoulos, "An Approach for Near-Optimal Distributed Data Fusion in Wireless Sensor Networks", *Wireless Networks*, Springer, 6(5), pp. 1407-1425, July 2010.
- [J39] D. Vassis, P. Belsis, C. Skourlas, G. Pantziou, "Providing Advanced Remote Medical Treatment Services through Pervasive Environments", *Personal and Ubiquitous Computing*, Springer-Verlag, Volume 14, Number 6, Pages 563-573, 2010.
- [J40] A. Mpitiopoulos, D. Gavalas, G. Pantziou, C. Konstantopoulos, "A Survey on Jamming Attacks and Countermeasures in WSNs", *IEEE Communications Surveys and Tutorials*, 11(4), pp. 42-56, October 2009.
- [J41] C. Konstantopoulos, B. Mamalis, G. Pantziou and D. Gavalas, "Efficient Parallel Text Retrieval techniques on Bulk Synchronous Parallel (BSP)/Coarse Grained Multicomputers (CGM)", *Journal of Supercomputing*, Springer Science, 48(3), pp. 286-318, June 2009.
- [J42] A. Mpitiopoulos, D. Gavalas, C. Konstantopoulos and G. Pantziou, "JAID: An Algorithm for Data Fusion and Jamming Avoidance on Distributed Sensor Networks", *Pervasive and Mobile Computing*, Elsevier Science, Special Issue on "Homeland and Global Security", 5(2), pp. 135-147, April 2009.

- [J43] C. Konstantopoulos, D. Gavalas and G. Pantziou, "Clustering in Mobile Ad-Hoc Networks through Neighborhood Stability-Based Mobility Prediction", *Computer Networks Journal*, Elsevier, Vol. 52, Issue 9, pp. 1797-1824, 2008.
- [J44] B. Mamalis, D. Kehagias, and G. Pantziou, "Efficient Techniques for Parallel Text Retrieval on a PC-Cluster Environment", *the International Journal on Computers and their Applications (IJCA)*, Vol. 15(1), pp. 27-42, 2008.
- [J45] D. Gavalas, G. Pantziou, C. Konstantopoulos and B. Mamalis, "ABP: A Low-Cost, Energy-Efficient Clustering Algorithm for Relatively Static and Quasi-Static MANETs", *International Journal of Sensor Networks (IJSNet)*, special issue on "Wireless Ad Hoc and Sensor Networks", Inderscience Publishers (Vol. 4, No. 4, 2008).
- [J46] D. Gavalas, G. Pantziou, C. Konstantopoulos, and B. Mamalis, "LIDAR: A Protocol for Stable and Energy-Efficient Clustering of Ad-Hoc Multihop Networks", *Telecommunication Systems Journal* (ISSN: 1018-4864), Springer Science, Special Issue on "Personal Wireless Communications", Vol. 36, No. 1-3, (2007), pp. 13-25.
- [J47] D. Kehagias, M. Grivas, B. Mamalis and G. Pantziou, "DYNER: a DYNAMIC cluster for Education and Research", *Campus-Wide Information Systems Journal, Emerald*, Vol. 23, No. 2 (2006), ISSN 1885-6411, pp. 92-102.
- [J48] P. Belsis, G. Pantziou, C. Skourlas, J. Varnas, "A Methodology for the Development of Multimedia Enhanced Teaching Material" *IADAT Journal of Advanced Technology on Imaging and Graphics*, Vol. 1, Issue 1, (2005), pp. 1-4.
- [J49] D. Kehagias, M. Grivas and G. Pantziou, "Using a Hybrid Platform for Cluster, NoW and GRID Computing", *Facta Universitatis Journal, Ser.: Elec. Energ.* Vol. 18, No. 2 (2005), pp. 205-218.
- [J50] C. Bouras, V. Kapoulas, G. Pantziou and P. Spirakis, "Competitive Video on Demand Schedulers for Popular Movies", *Discrete Applied Mathematics Journal*, Elsevier, Vol. 129, Issue 1 (2003), pp. 49-61.
- [J51] G. Pantziou, G. Pentaris and P. Spirakis, "Competitive Call Control in Mobile Networks", *Theory of Computing Systems Journal*, Springer, Vol. 35, (2002), pp. 625-639.
- [J52] S. Kontogiannis, G. Pantziou, P. Spirakis and M. Yung, "Robust Parallel Computations through Randomization", in *Theory of Computing Systems Journal*, Springer, Vol. 33, No. 5/6 (2000), pp. 427-464.
- [J53] H. Djidjev, G. Pantziou and C. Zaroliagis, "Improved Algorithms for Dynamic Shortest Paths", *Algorithmica*, Springer, Vol. 28:4 (2000), pp.367-389.
- [J54] D. Kagaris, G. Pantziou, S. Tragoudas and C. Zaroliagis, "Transmissions in a Network with Capacities and Delays", *Networks Journal, John Willey & Sons, Inc.*, Vol. 33, pp. 167-174, (1999).

- [J55] D. Fotakis, G. Pantziou, G. Pentaris and P. Spirakis, "Frequency Assignment in Mobile and Radio Networks", *DIMACS Series in Discrete Mathematics and Theoretical Computer Science (special issue on Networks in Distributed Computing)*, Vol. 45, (1999), pp. 73-90.
- [J56] P. Metaxas, G. Pantziou and A. Symvonis, "A Note on Parallel Algorithms for Drawing Trees", *Computational Geometry: Theory and Applications*, Elsevier, Vol. 9, No. 3, (1998), pp. 145-158.
- [J57] G. Pantziou, A. Roberts and A. Symvonis, "Many-to-Many Routing on Trees via Matchings", *Theoretical Computer Science Journal*, Elsevier, Vol. 185, (1997), pp. 347-377.
- [J58] J. Diaz, A. Gibbons, G. Pantziou, M. Serna, P. Spirakis and J. Toran, "Parallel Algorithms for the Minimum Cut and the Minimum Length Tree Layout Problems", *Theoretical Computer Science Journal, (special issue on COCOON'95)*, Elsevier, Vol. 181, (1997), pp. 267-287.
- [J59] Ying Cai and Grammati Pantziou, "A Synchronization Mechanism for Multimedia Presentation", In: Wang Y., Panwar S., Kim SP., Bertoni H.L. (Eds) *Multimedia Communications and Video Coding*. ISBN 978-1-4613-8036-8, Springer, Boston, MA, (1996), pp. 157-162; article presented in the International Symposium on Multimedia Communications and Video Coding (ISMVC95).
- [J60] Sameer Dubey, Grammati Pantziou and Nilay Sheth, "A Movie-Scheduling Policy for Video-on-Demand Systems", In: Wang Y., Panwar S., Kim SP., Bertoni H.L. (Eds) *Multimedia Communications and Video Coding*. ISBN 978-1-4613-8036-8, Springer, Boston, MA, (1996), pp. 191-198; article presented in the International Symposium on Multimedia Communications and Video Coding (ISMVC95).
- [J61] D. Kavvadias, G. Pantziou, P. Spirakis and C. Zaroliagis, "Hammock-on-Ears Decomposition: A Technique for the Efficient Parallel Solution of Shortest Paths and Other Problems", *Theoretical Computer Science Journal, (special issue on MFCS'94)*, Elsevier, Vol. 168, (1996), pp. 121-154.
- [J62] D. Dubhashi, G. Pantziou, P. Spirakis and C. Zaroliagis, "The Fourth Moment in Luby's Distribution", *Theoretical Computer Science Journal*, Elsevier, Vol. 148, (1995), pp. 133-140.
- [J63] G. Pantziou, P. Spirakis and C. Zaroliagis, "Efficient Parallel Algorithms for Shortest Paths Planar Digraphs", *BIT Numerical Mathematics, (special issue on SWAT'90)*, Springer, Vol. 32, No. 2, Algorithm Theory, (1992), pp. 215-236.
- [J64] D. Christodoulakis and G. Pantziou, "Modeling Software Reliability Prediction with Optimal Estimation Techniques", *Information and Software Technology Journal*, Butterworth Scientific Press, Vol. 32:1, (1990), pp. 88-93.

- [J65] D. Christodoulakis and G. Pantziou, "WEP: A Workstation for Education in Programming", *The Journal of Systems and Software*, North Holland, Vol. 8:5, (1988), pp. 401-408.

Refereed International Conference Proceedings

- [C1] L. Sotiriadis, B. Mamalis and G. Pantziou, "A Cluster-based Virtual Edge Computation Offloading Scheme for MEC-enabled Vehicular Networks" in the Proc. of the *26th Pan-Hellenic Conference on Informatics (PCI 2022)*, ACM, International Conference Proceedings Series.
- [C2] L. Sotiriadis, B. Mamalis and G. Pantziou, "Stable and Secure Clustering for Internet of Vehicles with RSU-assisted Maintenance and Trust Management" in the Proc. of the *25th Pan-Hellenic Conference on Informatics (PCI 2021)*, pp. 124-129, ACM, New York, NY, 2021. <https://doi.org/10.1145/3503823.3503847>
- [C3] D. Gavalas, C. Konstantopoulos, G. Pantziou and N. Vathis, "An Efficient Heuristic for the Vacation Planning Problem" in the Proc. of the *10th IEEE Annual Ubiquitous Computing, Electronics and Mobile Communications Conference (UEMCON 2019)*, October 10-12, 2019, Columbia University, New York, USA.
- [C4] L. Bourg, T. Chatzidimitris, I. Chatzigiannakis, D. Gavalas, V. Kasapakis, C. Konstantopoulos, D. Kyriadis, G. Pantziou and C. Zaroliagis, "Enhanced Buying Experiences in Smart Cities: The SMARTBUY approach" in the Proc. of the *2019 European Conference on Ambient Intelligence (AmI'2019)*, LNCS, Springer, November 13-15, 2019, Rome, Italy.
- [C5] T. Chatzidimitris, D. Gavalas, V. Kasapakis, C. Konstantopoulos, D. Kyriadis, G. Pantziou and C. Zaroliagis, "A Location History-Aware Retail Product Recommender System" in the Proc. of the *15th IEEE International Conference on Wireless and Mobile Computing, Networking and Communications (WiMob'2019)*, October 21-23, 2019, Barcelona, Spain.
- [C6] D. Kyriadis, C. Konstantopoulos, G. Pantziou, and D. Gavalas, "An Efficient Scheme for Dynamic Car Relocation in Free-Floating Car-Sharing Systems", in the Proc. of the *5th IEEE International Smart Cities Conference (ISC2 2019)*, October 14-17, 2019, Casablanca, Morocco.
- [C7] D. Kyriadis, G. Pantziou, C. Konstantopoulos and D. Gavalas, "Minimum Walking Static Repositioning in Free-Floating Electric Car-Sharing Systems" in the Proc. of the *21st IEEE International Conference on Intelligent Transportation Systems*, November 4-7, 2018, Maui, Hawaii, USA.
- [C8] D. Gavalas, K. Giannakopoulou, V. Kasapakis, D. Kehagias, C. Konstantopoulos, S. Kontogiannis, D. Kyriadis, G. Pantziou, A. Paraskevopoulos, C. Zaroliagis, "Renewable

- Mobility in Smart Cities: Cloud-Based Services”, in the Proc. of the 23th *IEEE Symposium on Computers and Communications (ISCC 2018)*, 8th International Workshop on Management of Cloud and Smart City Systems, June 25-28, Natal, Brazil, 2018.
- [C9] C. Konstantopoulos, V. Mamalis, G. Pantziou, “Secure and Trust-Aware Routing in Wireless Sensor Networks”, In the Proc. of the 22nd Pan-Hellenic Conference on Informatics (PCI 2018), ACM International Conference Proceedings Series, ISBN: 978-1-4503-6610-6, ACM 2018. p.p. 312-317.
- [C10] J. Dilbert, D. Gavalas, V. Kasapakis, C. Konstantopoulos, S. Kontogiannis, G. Pantziou, D. Wagner, C. Zaroliagis, “Multimodal Route and Tour Planning in Urban Environments” in the Proc. of the 22th *IEEE Symposium on Computers and Communications (ISCC 2017)*, *Workshop on Smart Cities and IoT Services*, pp. 214-219, 2017.
- [C11] J. Dilbert, D. Gavalas, K. Giannakopoulou, D. Kehagias, C. Konstantopoulos, S. Kontogiannis, G. Pantziou, D. Wagner, C. Zaroliagis, “Eco-aware Vehicle Routing in Urban Environments” in the Proc. of the 22th *IEEE Symposium on Computers and Communications (ISCC 2017)*, *Workshop on Smart Cities and IoT Services*, 208-213, 2017.
- [C12] A. Veneti, C. Konstantopoulos, and G. Pantziou, “Time-dependent bi-objective itinerary planning algorithm: application in sea transportation”, in the Proc. of the 16th *Algorithmic Approaches for Transportation Modeling, Optimization, and Systems (ATMOS 2016)*, Aarhus, Denmark, August, 2016, pp. 11:1-11:14.
- [C13] P. Galatis, D. Gavalas, V. Kasapakis, G. Pantziou and C. Zaroliagis, “Mobile Augmented Reality Guides in Cultural Heritage”, in the Proc. of the 8th Intl. Conf. on Mobile Computing, Applications and Services (MobiCASE 2016), November 2016.
- [C14] A. Angelopoulos, D. Gavalas, C. Konstantopoulos, D. Kyriadis and G. Pantziou, “An Optimization Model for the Strategic Design of a Bicycle Sharing System: A Case Study in the City of Athens”, in the Proc. of the 20th Panhellenic Conference on Informatics (PCI2016), ACM, 2016, ISBN 978-1-4503-2138-9.
- [C15] A. Angelopoulos, D. Gavalas, C. Konstantopoulos, D. Kyriadis and G. Pantziou, “Incentivization Schemes for Vehicle Allocation in One-Way Vehicle Sharing Systems”, in the Proc. of the *IEEE Second International Smart Cities Conference (ISC2 2016)*, Trento, Italy, September 12-15, 2016.
- [C16] D. Gavalas, V. Kasapakis, C. Konstantopoulos, K. Mastakas, G. Pantziou, N. Vathis and C. Zaroliagis, “Scenic Athens: A Personalized Scenic Route Planner for Tourists” in the Proc. of the 21st *IEEE Symposium on Computers and Communication (ISCC’2016)*, Messina, Italy, June 27-30, pp. 1151-1156, 2016.
- [C17] A. Dasios, D. Gavalas, G. Pantziou and C. Konstantopoulos, “Wireless Sensor Network Deployment for Remote Elderly Care Monitoring” in the Proc. of the 8th *International*

- Conference on Pervasive Technologies Related to Assistive Environments (PETRA 2015)*, ACM International Conference Proceedings Series, Corfu, Greece, July 2015.
- [C18] D. Gavalas, I. Venetis, C. Konstantopoulos, G. Pantziou, “An Iterated Local Search Approach for Multiple Itinerary Planning in Mobile Agent-Based Sensor Fusion”, to appear in the Proc. of the *11th IEEE MSN 2015*, December 16-18, Shenzhen, China, pp. 1-7, 2015.
- [C19] G. Pantziou, C. Konstantopoulos, D. Gavalas, N. Vathis, and V. Nakos, “An energy efficient protocol for data gathering in wireless sensor networks using mobile sinks”, in the Proc. of *SCinTE 2015*, November 5-7, Athens, Greece, 2015.
- [C20] C. Konstantopoulos, N. Vathis, G. Pantziou and D. Gavalas, “Efficient Delay-constrained Data Collection in Wireless Sensor Networks using Mobile Sinks”, in Proc. of the *8th IFIP Wireless and Mobile Networking Conference (WMNC'2015)*, Munich, Germany, October 5-7, pp. 1-8, 2015.
- [C21] A. Veneti, C. Konstantopoulos, and G. Pantziou, “Continuous and discrete time label setting algorithms for the time dependent bi-criteria shortest path problem,” in the Proc. of the *INFORMS: Computing Society Conference, Operations Research and Computing: Algorithms and Software for Analytics*, pp. 62–73, 2015.
- [C22] A. Veneti, C. Konstantopoulos, and G. Pantziou, “An evolutionary approach to multi-objective ship weather routing” in the Proc. of the *International Conference on Information, Intelligence, Systems and Applications (IISA 2015)*, Corfu Greece, July 2015.
- [C23] D. Gavalas, V. Kasapakis, C. Konstantopoulos, K. Mastakas, G. Pantziou, N. Vathis and C. Zaroliagis, “A Personalized Multimodal Tourist Tour Planner” in the Proceedings of the *13th International Conference on Mobile and Ubiquitous Multimedia (MUM 2014)*, pp. 73-80, Melbourne, Australia, November 25-28, 2014.
- [C24] C. Konstantopoulos, G. Pantziou, N. Vathis, V. Nakos, and D. Gavalas, “Efficient mobile sink-based data gathering in wireless sensor networks with guaranteed delay”, in the Proceedings the *12th ACM Intl. Symp. On Mobility Management and Wireless Access (MOBIWAC 2014)*, pp. 47-54, 21-26 September, 2014, Montreal Canada.
- [C25] I. Venetis, G. Pantziou, D. Gavalas and C. Konstantopoulos, “Benchmarking Mobile Agent Itinerary Planning Algorithms for Data Aggregation on WSNs”, Proceedings of the *6th International Conference on Ubiquitous and Future Networks (ICUFN'2014)*, July 8 - 11, 2014, Shanghai, China.
- [C26] C. Konstantopoulos, G. Pantziou, I. Venetis and D. Gavalas, “An Efficient Event Handling Protocol for Wireless Sensor and Actor Networks”, Proceedings of the *19th IEEE Symposium on Computers and Communication (ISCC'2014)*, Madeira, Portugal, June 2014.

- [C27] D. Gavalas, C. Konstantopoulos, K. Mastakas, G. Pantziou, and N. Vathis, “Efficient Heuristics for the Time Dependent Team Orienteering Problem with Time Windows”, in the Proc. of the Intl. Conference on Applied Algorithms (ICAA 2014), pp. 152-163, Springer-Verlag, 2014.
- [C28] D. Gavalas, C. Konstantopoulos, K. Mastakas, G. Pantziou, and Y. Tasoulas, “Cluster-based Heuristics for the TOPTW”, in the Proc. of *the Symposium on Experimental Algorithms (SEA 2013)*, Springer-Verlag, Rome, Italy, June 2013.
- [C29] D. Gavalas, V. Kasapakis, C. Konstantopoulos, K. Mastakas, G. Pantziou, “A Survey on Mobile Tourism Recommender Systems”, in the Proc. of the *3rd International Conference on Communications and Information Technology, ICCIT 2013*, art. no. 6579536 , pp. 131-135.
- [C30] C. Konstantopoulos, B. Mamalis, G. Pantziou, and V. Thanasias, “ Watershed-based Clustering for Energy Efficient Data Gathering in Wireless Sensor Networks with Mobile Collector”, in the Proc. of *18th International European Conference on Parallel and Distributed Computing (Euro-Par 2012)*, August 27-31, 2012, LNCS 7484, pp. 754-766, Springer-Verlag.
- [C31] D. Gavalas, M. Kenteris, C. Konstantopoulos, and G. Pantziou, “Personalized Routes for Mobile Tourism” in the Proc. of the 7th IEEE International Conference on Wireless and Mobile Computing, Networking and Communications (WiMob’2011), pp. 295-300, Oct. 10-12, 2011, Shanghai, China.
- [C32] P. Belsis and G. Pantziou, “Protecting Anonymity in Wireless Medical Monitoring Environments”, in the Proc. 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=2141687&CFID=66411180&CFTOKEN=13965837>
- [C33] D. Gavalas, G. Pantziou, C. Konstantopoulos, Preface, Proceedings of the 2nd International Workshop on Mobility in Wireless Sensor Networks (MobiSensor'2011) in conjunction with the 7th IEEE International Conference on Distributed Computing in Sensor Systems (DCOSS '11), Barcelona, Spain, June 29, 2011.
- [C34] B. Mamalis, G. Pantziou, G. Dimitropoulos, and D. Kremmydas, “Reexamining The Parallelization Schemes for Standard Full Tableau Simplex Method on Distributed Memory Environments”, in the Proc. of the *IASTED Intl. Conference on Parallel and Distributed Computing and Networks (PDCN’2011)*, Feb 15- 17, 2011, Innsbruck, Austria.
- [C35] D. Gavalas, G. Pantziou, C. Konstantopoulos, Preface, Proceedings of the 1st International Workshop on Mobility in Wireless Sensor Networks (MobiSensor'2010) in conjunction with the 6th IEEE International Conference on Distributed Computing in Sensor Systems (DCOSS '10), Santa Barbara, California, USA, June 23, 2010.

- [C36] M. Kenteris, D. Gavalas, G. Pantziou and C. Konstantopoulos, "Near-Optimal Personalized Daily Itineraries for a Mobile Tourist Guide", in the Proc. of the *IEEE Symposium on Computers and Communications (ISCC'10)*, June 22-25, 2010, Riccione, Italy.
- [C37] G. Pantziou, A. Mpitiopoulos, D. Gavalas, C. Konstantopoulos and B. Mamalis, "Mobile Sinks for Information Retrieval from Cluster-Based WSN Islands", in the Proc. of the *8th International Conference on Ad-Hoc Networks and Wireless (ADHOCNOW'2009)*, LNCS 5793, pp. 213-226, Springer-Verlag, September 2009.
- [C38] G. Pantziou, P. Belsis, D. Gavalas, C. Konstantopoulos and B. Mamalis, "A Scheme for On-Site Service Provision in Pervasive Assistive Environments", Proceedings of the *2nd International Conference on Pervasive Technologies Related to Assistive Environments (PETRA'2009)*, ACM 2009.
- [C39] P. Belsis, D. Vassis, C. Skourlas, G. Pantziou, "Managing electronic healthcare records in pervasive environments" in the Proc. of 21st International Congress of the European Federation for Medical Informatics (MIE 2008), Sweden, May 25-28, 2008.
- [C40] P. Belsis, C. Konstantopoulos, B. Mamalis, G. Pantziou, C. Skourlas "Interactive Cluster-based Personalized Retrieval on Large Document Collections", in the Proc. of *1st International Symposium on Intelligent Interactive Multimedia Systems and Services (KES-IIMSS-08)*, Vol. SCI 142/2008, pp. 211-220, Springer-Verlag.
- [C41] A. Mpitiopoulos, D. Gavalas, C. Konstantopoulos, G. Pantziou, "Exploiting the Cloning Capability of Mobile Agents for Cost-Effective Data Fusion in Wireless Sensor Networks", in the Proc. of the *IEEE Symposium on Computers and Communications (ISCC'08)*, July 6 - 9, 2008, Marrakech, Morocco (Best Paper Award).
- [C42] P. Belsis, C. Sgouropoulou, C. Sfikas, G. Pantziou, C. Skourlas, J. Varnas, T. Alevizos, V. Tsoukalas, "Exploiting Distance Learning Methods and Multimedia-enhanced instructional content to support IT Curricula in Greek Technological Educational Institutes", 6th International Conference on Networked Learning 5th & 6th May 2008, Halkidiki, Greece.
- [C43] D. Vassis, P. Belsis, C. Skourlas, G. Pantziou, "A Pervasive Architectural Framework for Providing Remote Medical Treatment, accepted for publication in the Proc of the *1st International Conference on Pervasive Technologies Related to Assistive Environments (PETRA 2008)*, ACM 2008.
- [C44] A. Mpitiopoulos, C. Konstantopoulos, D. Gavalas, G. Pantziou, "Hazard Monitoring for Visually Impaired People Enabled by Wireless Sensor Networking Technology", accepted for publication in the Proc of the *1st International Conference on Pervasive Technologies Related to Assistive Environments (PETRA 2008)*, ACM 2008.

- [C45] D. Gavalas, C. Konstantopoulos, B. Mamalis and G. Pantziou, "New Techniques for Incremental data Fusion in Distributed Sensor Networks", in the Proc. of the 11th *Panhellenic Conference on Informatics (PCI' 2007)*, ISBN: 978-960-89784-0-9, pp. 599-608.
- [C46] A. Mpitziopoulos, D. Gavalas, C. Konstantopoulos and G. Pantziou, "Deriving Efficient Mobile Agent Routes in Wireless Sensor Networks with NOID Algorithm", in the Proc. of the 18th *Annual IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC'2007)*, ISBN 978-1-4244-1144-3, pp. 1-5. 2007.
- [C47] A. Mpitziopoulos, D. Gavalas, G. Pantziou, C. Konstantopoulos, "Defending Wireless Sensor Networks from Jamming Attacks", in the Proc. of the 18th *Annual IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC'2007)*, ISBN 978-1-4244-1144-3 2007.
- [C48] D. Kehagias, M. Grivas, G. Pantziou, M. Apostoli, "A Wildly Dynamic Grid-like Cluster Utilizing Idle Time of Common PCs", IEEE Conf. Proc. of the 8th *International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services 2007 (TELSIKS' 2007)*, ISBN 978-1-4244-1468-0, pp. 36-39, IEEE, 2007.
- [C49] C. Skourlas, C. Sgouropoulou, P. Belsis, G. Pantziou, C. Sfikas, N. Fosses, "Learner profiles in the Higher Educational Context", in the Proceedings of e-Ra, 2nd International Conference Information Technology to Science, Economy, Society and Education, D. Tseles (ed), Athens, Sep. 2007
- [C50] P. Belsis, G. Pantziou, C. Skourlas, V. Zafeiris "Distributed processing techniques for Knowledge Management purposes in cooperative environments", in the Proceedings of e-Ra, 2nd International Conference Information Technology to Science, Economy, Society and Education, D. Tseles (ed), Athens, Sep. 2007
- [C51] D. Gavalas, G. Pantziou, C. Konstantopoulos, and B. Mamalis. "Lowest-ID with Adaptive ID Reassignment: A Novel Mobile Ad-Hoc Networks Clustering Algorithm" in the Proc. of the *IEEE International Symposium on Wireless Pervasive Computing 2006*, ISBN 0-7803-9410, IEEE 2006.
- [C52] D. Gavalas, G. Pantziou, C. Konstantopoulos, and B. Mamalis. "Clustering of Mobile Ad Hoc Networks: An Adaptive Broadcast Period Approach" in the Proc. of the *IEEE International Conference of Communications (ICC'2006)*, June 2006, ISBN 1-4244-0355-3.
- [C53] D. Gavalas, G. Pantziou, C. Konstantopoulos and B. Mamalis, "A Method for Incremental Data Fusion in Distributed Sensor Networks", in the Proceedings of the 3rd *IFIP Conference on Artificial Intelligence Applications & Innovations (AIAI' 2006)*, Vol. 204, I. Maglogiannis, K. Karpouzis, M. Bramer (Eds.), pp. 635-642, IFIP (Springer).

- [C54] D. Gavalas, G. Pantziou, C. Konstantopoulos, B. Mamalis, "Stable and Energy Efficient Clustering of Wireless Ad-Hoc Networks with LIDAR Algorithm", in the Proceedings of the *11th IFIP International Conference on Personal Wireless Communications (PWC' 2006)*, LNCS Vol. 4217, pp. 100-110, Springer-Verlag.
- [C55] C. Konstantopoulos D. Gavalas and G. Pantziou, "A Mobility Aware Technique for Clustering on Mobile Ad-Hoc Networks", in the *Proceedings of the 8th International Conference on Distributed Computing and Networking (ICDCN 2006)*, LNCS Vol. 4308, pp. 397-408, Springer-Verlag.
- [C56] P. Belsis, S. Gritzalis, G. Pantziou and C. Skourlas, "Knowledge Sharing and Reusability within the Public Sector: Security Challenges and Potential Solutions", in the Proc. of the *2nd Conference on Electronic Democracy (e-Democracy 2006)*, Athens, Greece, 2006, 978-960-89612-0-3, pp. 389-397.
- [C57] P. Belsis, G. Pantziou, C. Skourlas, J. Varnas, "Supporting Academic Courses Through Multimedia Enhanced Content Deployment", in the Proc. of the *IADAT International Conference on Multimedia, Image Processing and Computer Vision – IADAT–micv2005*, pp. 12-16, 2005, IADAT.
- [C58] D. Kehagias, M. Grivas, B. Mamalis and G. Pantziou, "Evaluating the Use of a Dynamic Cluster as an Educational and Research Infrastructure", in the Proc. of the *WSEAS International Conference on Engineering Education 2005*, pp. 11-16.
- [C59] T. Alevizos, P. Belsis, G. Pantziou, C. Skourlas, V. Tsoukalas and J. Varnas, "Supporting Computing Curricula through Distance Learning and Multimedia enhanced content deployment - the case of Greek Technological Educational Institutes", in the Proc. of the *WSEAS International Conference on Engineering Education 2005*, pp. 321-326.
- [C60] D. Kehagias, M. Grivas and G. Pantziou, "Performance of a Dynamic Small Size HPC Platform", in the Proc. of the *International Scientific Conference on Information, Communication and Energy Systems and Technologies (ICEST' 2005)*, July 2005.
- [C61] D. Kehagias, D. Ximerakis, M. Grivas, and G. Pantziou, "Performance Enhancements for a Dynamic Cluster, based on OS Expertise", IEEE Conf. Proc. of the *6th International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services 2005 (TELSIKS' 2005)*, ISBN 0-7803-9164-0, pp. 49-52, IEEE, 2005.
- [C62] D. Gavalas, G. Pantziou, C. Konstantopoulos and B. Mamalis, "Efficient Active Clustering of Mobile Ad-Hoc Networks", in the Proc. of the *Panhellenic Conference on Informatics (PCI' 2005)*, LNCS Vol. 3746, pp. 820-827, Springer-Verlag.
- [C63] D. Kehagias, B. Mamalis and G. Pantziou, "Efficient VSM-based Parallel Text Retrieval on a PC-Cluster Environment Using MPI", in the Proc. of the *18th ISCA International Conference on Parallel and Distributed Computing Systems (PDCS 2005)*, pp.334-341.

- [C64] D. Gavalas, C. Konstantopoulos, B. Mamalis and G. Pantziou, "Efficient BSP/CGM Algorithms for Text Retrieval", in the Proc. of the *17th IASTED International Conference on Parallel and Distributed Computing and Systems – PDCS'2005*, ISBN 0-88986-525-6, pp. 301-306, 2005.
- [C65] D. Gavalas, G. Pantziou, B. Mamalis and C. Konstantopoulos, "An Efficient and Scalable Clustering Algorithm for Wireless Ad Hoc Networks", Proc. of the *17th IASTED International Conference on Parallel and Distributed Computing and Systems (PDCS'2005)*, 0-88986-525-6, pp. 761-766, 2005. Presented at the *1st International Workshop on Distributed Algorithms and Applications for Wireless and Mobile Systems - DAAWMS 2005*, Phoenix, AZ, USA, Nov. 2005, organized in conjunction with the *17th IASTED International Conference on Parallel and Distributed Computing and Systems*.
- [C66] D. Kehagias, M. Grivas, G. Meletiou, G. Pantziou, B. Sakellarios, D. Sterpis and D. Ximerakis, "Building a Low-Cost High-Performance Computing System", in the IEEE Conf. Proc. of the *6th International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services 2003 (TELSIKS' 2003)* (B.D. Milovanovic, Ed.), vol. 2, pp. 608-613, 2003.
- [C67] F. Makedon, C. Sudborough, B. Baiter, G. Pantziou and M. Conalis-Kontos, "A Safe Information Sharing Framework for E-Government Communication", in the Proc. of the *1st Conference on "Electronic Democracy: Information Society and Citizen's rights"*, Athens, Greece, 2003.
- [C68] S. Kontogiannis, G. Pantziou, P. Spirakis and M. Yung, "Dynamic-Fault-Prone BSP: A Paradigm for Robust Computations in Changing Environments", in the Proc. of the *10th ACM Symp. on Parallel Algorithms and Architectures - SPAA'98*, pp. 37-46, 1998, ACM Press.
- [C69] D. Fotakis, G. Pantziou, G. Pentaris and P. Spirakis, "Frequency Assignment in Mobile and Radio Networks", presented in *the Workshop on On-line Algorithms 1998 (OLA'98)*, Udine, Italy, September 1998.
- [C70] S. Kontogiannis, G. Pantziou and P. Spirakis, "Efficient Computations on Fault-Prone BSP Machines", in the Proc. of the *9th ACM Symp. on Parallel Algorithms and Architectures - SPAA'97*, pp. 84-93, 1997, ACM Press.
- [C71] S. Nikolettseas, G. Pantziou, P. Psyharis and P. Spirakis, "On the Fault Tolerance of Fat-Trees", in the Proc. of the *3rd Intl. Conference on Parallel Processing - Euro-Par'97*. Lecture Notes in Computer Science Vol. 1300, pp. 208-217, 1997, Springer-Verlag.
- [C72] C. Bouras, V. Kapoulas, G. Pantziou and P. Spirakis, "Competitive Video on Demand Schedulers for Popular Movies", presented in *the Workshop on Algorithmic Aspects of Communication (ICALP'97 Satellite Workshop)*, 1997.

- [C73] G. Pantziou, G. Pentaris and P. Spirakis, "Competitive Call Control in Mobile Networks", in the Proc. of the 8th *Intl. Symposium on Algorithms and Computation - ISAAC'97*. Lecture Notes in Computer Science Vol. 1350, pp. 404-413, 1997, Springer-Verlag.
- [C74] C. Bouras, V. Kapoulas, G. Pantziou and P. Spirakis, "Randomized Adaptive Video-on-Demand", in the Proc. of *Principles of Distributed Computing - PODC'96*, pp. 179 (short paper), 1996.
- [C75] G. Pantziou, A. Roberts and A. Symvonis, "Dynamic Tree Routing under the "Matching with Consumption" Model", in *Algorithms and Computation - ISAAC'96*. Lecture Notes in Computer Science Vol. 1178, pp. 275-284, 1996, Springer-Verlag.
- [C76] H. Djidjev, G. Pantziou and C. Zaroliagis, "On-line and Dynamic Algorithms for Shortest Path Problems", in *Theoretical Aspects of Computer Science - STACS'95*, Lecture Notes in Computer Science Vol. 900, pp. 193-204, 1995, Springer-Verlag.
- [C77] D. Kagaris, G. Pantziou, S. Tragoudas and C. Zaroliagis, "Quickest Paths: Parallelization and Dynamization", in the Proc. of the *28th Hawaii International Conference on System Sciences (HICSS-28)*, Vol II: Software technology, 1995, IEEE Computer Society Press.
- [C78] H. Djidjev, G. Pantziou and C. Zaroliagis, "Fast Algorithms for Maintaining Shortest Paths in Outerplanar and Planar Digraphs", in *Fundamentals of Computation Theory - FCT'95*, Lecture Notes in Computer Science Vol. 965, pp.191-200, 1995, Springer-Verlag.
- [C79] J. Diaz, A. Gibbons, G. Pantziou, M. Serna, P. Spirakis and J. Toran, "Efficient Parallel Algorithms for some Tree Layout Problems", in *Computing and Combinatorics Conference - COCOON'95*, Lecture Notes in Computer Science Vol. 959, pp. 313-323, 1995, Springer-Verlag.
- [C80] D. Kagaris, G. Pantziou, S. Tragoudas and C. Zaroliagis, "On the Computation of Fast Data Transmissions in Networks with Capacities and Delays", in *Algorithms and Data Structures - WADS'95*, Lecture Notes in Computer Science Vol. 955, pp. 291-302, 1995, Springer-Verlag.
- [C81] D. Kavvadias, G. Pantziou, P. Spirakis and C. Zaroliagis, "Efficient Sequential and Parallel Algorithms for the Negative Cycle Problem", in *Algorithms and Computation - ISAAC'94*, Lecture Notes in Computer Science Vol. 834, pp. 270-278, 1994, Springer-Verlag.
- [C82] D. Kavvadias, G. Pantziou, P. Spirakis and C. Zaroliagis, "Hammock-on-Ears Decomposition: A Technique for Parallel and On-line Path Problems", in *Mathematical Foundations of Computer Science – MFCS'94*, Lecture Notes in Computer Science Vol. 841, pp. 462-472, 1994, Springer-Verlag
- [C83] P. Metaxas, G. Pantziou and A. Symvonis, "Parallel h-v Drawings of Binary Trees", in *Algorithms and Computation - ISAAC'94*, Lecture Notes in Computer Science Vol. 834, pp. 487-495, 1994, Springer-Verlag.

- [C84] H. Djidjev, G. Pantziou and C. Zaroliagis, “Computing Shortest Paths and Distances in Planar Graphs”, in *Automata, Languages and Programming - ICALP’91*, Lecture Notes in Computer Science Vol. 510, pp. 327-338, 1991, Springer-Verlag.
- [C85] Z. Kedem, K. Palem, G. Pantziou, P. Spirakis and C. Zaroliagis, “Fast Parallel Algorithms for Coloring Random Graphs”, in *Graph-Theoretic Concepts in Computer Science - WG’91*, Lecture Notes in Computer Science Vol. 570, pp. 135-147, 1992, Springer-Verlag.
- [C86] G. Pantziou, P. Spirakis and C. Zaroliagis, “Optimal Parallel Algorithms for Sparse Graphs”, in *Graph-Theoretic Concepts in Computer Science - WG’90*, Lecture Notes in Computer Science Vol. 484, pp. 1-17, 1990, Springer-Verlag.
- [C87] G. Pantziou, P. Spirakis and C. Zaroliagis, “Efficient Parallel Algorithms for Shortest Paths in Planar Graphs”, in *Algorithm Theory - SWAT’90*, Lecture Notes in Computer Science Vol. 447, pp. 288-300, 1990, Springer-Verlag.
- [C88] G. Pantziou, P. Spirakis and C. Zaroliagis, “Fast Parallel Approximations of the Maximum Weighted Cut Problem through Derandomization”, in *Foundations of Software Technology and Theoretical Computer Science - FST&TCS’89*, Lecture Notes in Computer Science, Vol. 405, pp. 20-29, 1989, Springer-Verlag.
- [C89] G. Pantziou and D. Christodoulakis, “WEP: A Workstation for Education in Programming”, in Proc. of the *European Conference on Education and Information Technology (EURIT)*, Developments in Educational Software and Courseware, pp. 199-206, 1987, Pergamon Press.
- [C90] D. Christodoulakis and G. Pantziou, “Another Software Reliability Prediction Model”, in Proc. of the *3rd International Conference on Fault-Tolerant Computing Systems*, Informatic Fachberichte, 1987, Lecture Notes in Computer Science Vol. 147, pp. 298-303, Springer-Verlag.

International Conference Articles (with abstract submission)

- [C91] D. Kypriadis, C. Konstantopoulos, G. Pantziou and D. Gavalas, “Relocation Schemes in Free-Floating Car-Sharing Systems”, Special Session “Mobility Algorithms and Services”, 31st European Conference on Operational Research (EURO 2021), Athens, Greece, July 2021.
- [C92] C. Konstantopoulos, N. Vathis, G. Pantziou and D. Gavalas, “Multi-destination, multimodal tourist trip planning”, Special Session “Mobility Algorithms and Services”, 31st European Conference on Operational Research (EURO 2021), Athens, Greece, July 2021.

- [C93] D. Gavalas, V. Kasapakis, C. Konstantopoulos, G. Pantziou, N. Vathis and C. Zaroliagis, “Multimodal Tourist Tour Planning”, Special Session “Sustainable Multimodal Urban Mobility”, 28th European Conference on Operational Research (EURO 2016), Poznan, Poland, 3-6 July 2016.
- [C94] G. Pantziou, A. Angelopoulos, D. Gavalas, C. Konstantopoulos and D. Kyriadis, “An Incentivized Relocation Scheme for Balancing Vehicle Sharing Systems”, Special Session “Sustainable Multimodal Urban Mobility”, 28th European Conference on Operational Research (EURO 2016), Poznan, Poland, 3-6 July 2016.
- [C95] D. Gavalas, C. Konstantopoulos, K. Mastakas and G. Pantziou, “Cluster-based Heuristic Approaches for the Tourist Trip Design Problem”, Special Session “Tourist Route Planning”, 26th European Conference on Operational Research (EURO/INFORMS MMXIII), Rome, Italy, 1-4 July 2013.
- [C96] G. Pantziou, D. Gavalas, C. Konstantopoulos and K. Mastakas, “Algorithmic Methods for Deriving Multi-Modal Personalized Tourist Tours”, Special Session “Tourist Route Planning”, 26th European Conference on Operational Research (EURO/INFORMS MMXIII), Rome, Italy, 1-4 July 2013.

Unrefereed Workshop Proceedings

1. G. Pantziou, P. Spirakis and C. Zaroliagis, “Coloring Random Graphs Efficiently in Parallel”, Computer Technology Institute Technical Report, TR-90.10.25, October 1990. Presented in the ALCOM Workshop on Graph Algorithms, Data Structures and Computational Geometry, Berlin, 3-5 October, 1990.
2. E. Rossiou and G. Pantziou, “The Changing Model of Teaching and Learning Multimedia”, in the Proc. of the Workshop on Computer Science Education, Nis, Serbia, Jan. 2004, ISBN 86-80135-80-1, pp. 31-34.
3. D. Kehagias, M. Grivas, G. Meletiou, G. Pantziou, B. Sakellarios, D. Sterpis and D. Ximerakis, “A Low-Cost Dynamic Clustering System for Education and Research”, in the Proc. of the Workshop on Computer Science Education, Nis, Serbia, Jan. 2004, ISBN 86-80135-80-1, pp. 95-100.
4. Δ. Γαβαλάς, Γ. Πάντζιου, Χ. Κωνσταντόπουλος, Β. Μάμαλης, «Αποδοτικοί Αλγόριθμοι Ομαδοποίησης Κόμβων σε Ad-hoc Κινητά Δίκτυα», Πρακτικά 1^{ου} Συνεδρίου Αρχιμήδη, Καινοτόμος Ανάπτυξη και Τεχνολογία: Ποσοτική και Ποιοτική Αντιμετώπιση, Νοέμβριος 2005, σελ. 171-180.
5. Γ. Πάντζιου και Α. Συμβώνης, «Hot-Potato Δρομολόγηση σε Πλήρη Δυαδικά Δένδρα», Πρακτικά 2^{ου} Συνεδρίου Αρχιμήδη, Καινοτόμος Ανάπτυξη και Τεχνολογία: Ποσοτική και Ποιοτική Αντιμετώπιση, Νοέμβριος 2006.

6. Δ. Γαβαλάς, Γ. Πάντζιου, Χ. Κωνσταντόπουλος, Β. Μάμαλης, «Ελάχιστο ID με Δυναμική ID Επανα-ανάθεση: Ένας Καινοτόμος Αλγόριθμος Ομαδοποίησης σε Ad-hoc Κινητά Δίκτυα», Πρακτικά 2^{ου} Συνεδρίου Αρχιμήδη, Καινοτόμος Ανάπτυξη και Τεχνολογία: Ποσοτική και Ποιοτική Αντιμετώπιση, Νοέμβριος 2006.

Selected Technical Reports

1. G. Pantziou and A. Symvonis, "Hot-Potato Routing on Complete Binary Trees", Technological Educational Institution Technical Report, July 2006.
2. "A Frame for the Simulation of Shared Memory on a Distributed Memory", (with S. Kontogiannis, P. Fatourou and P. Spirakis). Computer Technology Institute Technical Report, TR-97.11.39, October 1997.
3. "Implementation of a Linear Expected-Time Algorithm for Finding Connected Components" (with P. Fatourou, P. Spirakis, P. Zarafidis and A. Zoura). Computer Technology Institute Technical Report, TR-97.11.40, October 1997.
4. "Call Control in Mobile Networks", (with G. Pentaris and P. Spirakis). Computer Technology Institute Technical Report, TR-97.04.21, April 1997.
5. "A Note on Parallel Algorithms for Drawing Trees", (with P. Metaxas and A. Symvonis), University of Central Florida Technical Report CS-TR94-09.
6. "Efficient Computations on Fault-Prone BSP Machines", (with S. Kontogiannis and P. Spirakis), Computer Technology Institute Technical Report, TR-96.09.28, September 1996.
7. "Many-to-Many Routing on Trees via Matchings", (with A. Roberts and A. Symvonis), University of Sydney Technical Report TR-507, March 1996.
8. "On the Reliability of Fat-Trees", (with S. Nikolettseas, P. Psyharis and P. Spirakis), Computer Technology Institute Technical Report, TR-97.05.24, June 1996.
9. "Routing on Trees under the "Matching with Consumption" Model", (with A. Roberts and A. Symvonis), Computer Technology Institute Technical Report, TR-96.03.08, March 1996.
10. "Competitive Scheduling Schemes for Video-on-Demand", (with C. Bouras, V. Kapoulas, and P. Spirakis), Computer Technology Institute Technical Report, TR-95.11.37, November 1995.
11. "On the Genus of Random Graphs", (with D. Kavvadias, P. Spirakis and C. Zaroliagis), Computer Technology Institute Technical Report, TR-93.11.05, November 1993.

Other Articles (in Greek)

1. Γραμματή Πάντζιου, «Επιπτώσεις του Διαδικτύου και των Μέσων Κοινωνικής Δικτύωσης στην Πολιτική Συμμετοχή», Τόμος III «Πολιτική Επικοινωνία – Κριτικός και Κατεξουσιαστικός Λόγος» του Έργου «Πολιτική Επιστήμη. Διακλαδική και Συγχρονική Διερεύνηση της Πολιτικής Πράξης», Εκδόσεις Ι. Σιδέρη, Τμήμα Πανεπιστημιακών Εκδόσεων, 2016, σλ. 537-553.
2. Γραμματή Πάντζιου, «Ιδιωτική ζωή και Τεχνολογίες Επικοινωνιών και Πληροφορικής», Άρθρο μετά από πρόσκληση στο Βήμα Ιδεών, Τεύχος 01.02.2008, <http://www.vimaideon.gr/MS 2878.html>
3. Γραμματή Πάντζιου, «Οι Γυναίκες στον Ακαδημαϊκό Χώρο, στην Έρευνα και στη Μηχανική», Τεχνολογικά Χρονικά, ΤΕΙ Αθήνας, Δεκ. 2007, σελ. 48-51.

Citations

Google Scholar: 4735 citations

h-index: 32

i10-index: 75

<https://scholar.google.com/citations?user=cgwtUI4AAAAJ&hl=el>

Scopus: 2591 citations

h-index: 24

<https://www.scopus.com/authid/detail.uri?authorId=6701749162>