
CURRICULUM VITAE

Last name: **Gogos**
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Computer and Informatics Engineer (PhD, MSc)

WORK STATUS

- Associate Professor at the Department of Informatics and Telecommunications at University of Ioannina.
- Collaborating Teaching Staff at the Greek Open University.
- Post-Doc researcher at the Computer Systems Laboratory of the Dept. of Electrical and Computer Engineers of the University of Patras.

WORK EXPERIENCE

- Software engineer, analyst and programmer since 1993. Worked as consultant for several companies.
- Faculty member of the Technological Educational Institute of Epirus from Jan-2004 to Sep-2018.
- Faculty member of the University of Ioannina from Oct-2018 (current position).

STUDIES

- 1993: Computer Engineer Diploma from the Department of Computer Engineering and Informatics in University of Patras.
- 1998: Master of Science "High Performance Algorithms" from the Department of Informatics and Telecommunications in National and Kapodistrian University of Athens.
- 2009: PhD from the Department of Electrical and Computer Engineering in University of Patras.

PUBLICATIONS

PHD THESIS

Algorithms for combinatorial optimization problems with emphasis on metaheuristics (2009). My advisor was Prof. Efthymios Housos (University of Patras, Department of Electrical and Computer Engineering).

JOURNALS

Twelve (12) papers at International Journals:

1. Alexandros Arjmand, Vasileios Christou, Ioannis G Tsoulos, Markos G Tsipouras, Alexandros T Tzallas, **Christos Gogos**, Euripidis Glavas, and Nikolaos Giannakeas. 'An evolutionary algorithm-based optimization method for the classification and quantification of steatosis prevalence in liver biopsy images.' In: Array 11 (2021), p. 100078.

2. Karamanis Konstantinos and **Christos Gogos**. 'The impact of flexible working at firm level. Evidence from Greek labor market'. In: Journal of International Studies 13.2 (May 2020). Open Access. DOI: 10.14254/2071-8330.2020/13-2/1.
3. **Christos Gogos**, Christos Valouxis, Panayiotis Alefragis, George Goulas, Nikolaos Voros, and Efthymios Housos. 'Scheduling independent tasks on heterogeneous processors using heuristics and Column Pricing'. In: Future Generation Computer Systems 60 (2016), pp. 48–66. ISSN: 0167-739X. DOI: 10.1016/j.future.2016.01.016.
4. Georgios Papantonopoulos, **Christos Gogos**, Efthymios Housos, Tassos Bountis, and Bruno G. Loos. 'Prediction of individual implant bone levels and the existence of implant "phenotypes"'. In: Clinical Oral Implants Research 28.7 (June 2016), pp. 823–832. ISSN: 16000501. DOI: 10.1111/clr.12887. URL: <http://dx.doi.org/10.1111/clr.12887>.
5. Georgios Papantonopoulos, **Christos Gogos**, Efthymios Housos, Tassos Bountis, and Bruno G. Loos. 'Periimplantitis: a complex condition with nonlinear characteristics'. In: Journal of Clinical Periodontology 42.8 (Aug. 2015), pp. 789–798. ISSN: 1600051X. DOI: 10.1111/jcpe.12430. URL: <http://dx.doi.org/10.1111/jcpe.12430>.
6. Vasileios Kolonias, George Goulas, **Christos Gogos**, Panayiotis Alefragis, and Efthymios Housos. 'Solving the Examination Timetabling Problem in GPUs'. In: Algorithms 7.3 (July 2014), pp. 295–327. DOI: 10.3390/a7030295.
7. Gerhard Post, Jeffrey H Kingston, Samad Ahmadi, Sophia Daskalaki, **Christos Gogos**, Jari Kyngas, Cimmo Nurmi, Nysret Musliu, Nelishia Pillay, Haroldo Santos, and Andrea Schaerf. 'XHSTT: an XML archive for high school timetabling problems in different countries'. In: Annals of Operations Research 218.1 (July 2014), pp. 295–301. DOI: 10.1007/s10479-011-1012-2.
8. Georgia A Foutsitzi, **Christos G Gogos**, Evangelos P Hadjigeorgiou, and Georgios E Stavroulakis. 'Actuator Location and Voltages Optimization for Shape Control of Smart Beams Using Genetic Algorithms'. In: Actuators 2.4 (Oct. 2013), pp. 111–128. DOI: 10.3390/act2040111.
9. **Christos Gogos**, Panayiotis Alefragis, and Efthymios Housos. 'An improved multi-staged algorithmic process for the solution of the examination timetabling problem'. In: Annals of Operations Research 194.1 (Apr. 2012) pp. 203–221. DOI: 10.1007/s10479-010-0712-3.
10. Christos Valouxis, **Christos Gogos**, George Goulas, Panayiotis Alefragis, and Efthymios Housos. 'A systematic two phase approach for the nurse rostering problem'. In: European Journal of Operational Research 219.2 (Jan. 2012), pp. 425–433. DOI: 10.1016/j.ejor.2011.12.042.
11. **Christos Gogos**, Costas Kyritsis, and Ioannis Sotiropoulos. 'Fair distribution of stock exchange securities among customers. A back office optimization application'. In: The Journal of Financial Decision Making 6.1 (June 2010), pp. 95–101. URL: <http://www.fel.tuc.gr/JFDM/index.htm>.
12. Constantinos Kyritsis, Ioannis Sotiropoulos, **Christos Gogos**, and Efstratios Kypriotelis. 'Note on the effect of the 11 years global climate cycle on the prices of the capital markets'. In: Archives of Economic History XIX.2 (July 2007), pp. 65–81.

CONFERENCES

Twenty eight (28) papers at International Conferences:

1. Vasileios Christou, Alexandros Arjmand, Dimitrios Dimopoulos, Dimitrios Varvarousis, Alexandros T Tzallas, **Christos Gogos**, Markos G Tsipouras, Avraam Ploumis, and Nikolaos Giannakeas. 'Neural Network-Based approach for Hemiplegia Detection via Accelerometer Signals.' In: 2021 6th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference (SEEDA-CECNSM). IEEE. 2021, pp. 1–5.
2. Georgia Foutsitzi, **Christos Gogos**, Aris Magklaras, and Nikolaos Antoniadis. 'Multi-Objective Design Optimization of Piezoelectric Energy Harvesting System for Unmanned Aerial Vehicles.' In: 2021 6th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference (SEEDA-CECNSM). IEEE. 2021.
3. **Christos Gogos**, Angelos Dimitzas, Vasileios Nastos, and Christos Valouxis. 'Some insights about the uncapacitated examination timetabling problem.' In: 2021 6th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference (SEEDA-CECNSM). IEEE. 2021.
4. Panayiotis Alefragis, **Christos Gogos**, Christos Valouxis, and Efthymios Housos. 'A multiple metaheuristic variable neighborhood search framework for the Uncapacitated Examination Timetabling Problem.' In: 13th International Conference of the Practice and Theory of Automated Timetabling, PATAT 2021. 2020.

5. **Christos Gogos**, Christos Valouxis, and Nikolaos Verykios. 'Optimal segmentation of student classes for social distancing.' In: XIV Balkan Conference on Operational Research (Virtual BALCOR 2020), 1-2 October 2020, Thessaloniki, Greece. 2020.
6. Panayiotis Alefragis, George Theodoridis, Merkourios Katsimpris, Christos Valouxis, **Christos Gogos**, George Goulas, Nikolaos Voros, Simon Reder, Koray Kasnakli, Marcus Bednara, David Müller, Umut Durak, and Juergen Becker. 'Mapping and Scheduling Hard Real Time Applications on Multicore Systems The ARGO Approach'. In: Applied Reconfigurable Computing. Architectures, Tools, and Applications: 14th International Symposium, ARC 2018, Santorini, Greece, May 24, 2018, Proceedings 14. Springer International Publishing. 2018, pp. 700–711.
7. Dimitrios Liarokapis, Vasilios Papigiotis, Eleftherios Stergiou, and **Christos Gogos**. 'Creating an Electronic Magazine in WordPress for Promoting the Practical Training of Students'. In: 2018 International Conference on Information Technologies (InfoTech). IEEE. IEEE, Sept. 2018, pp. 1–4.
8. **Christos Gogos**, Christos Valouxis, Panayiotis Alefragis, Iordanis Xanthopoulos, and Efthymios Housos. 'Scheduling independent tasks on heterogeneous computing systems by optimizing various objectives'. In: 11th International Conference of the Practice and Theory of Automated Timetabling, PATAT 2016, 23-26 August 2016, Udine, Italy. 2016, pp. 149–161.
9. Christos Valouxis, **Christos Gogos**, Panayiotis Alefragis, George Theodoridis, and Nikolaos Voros. 'Constraint Programming Modeling for the Task Scheduling Problem with Data Storage at MPSoCs'. In: 14th International Conference on the Practice and Theory of Automated Timetabling, Vienna, Austria, 2831 August 2018.
10. Iordanis Xanthopoulos, George Goulas, **Christos Gogos**, Panayiotis Alefragis, and Efthymios Housos. 'Highway Rest Areas simultaneous energy optimization and user satisfaction'. In: 20th PanHellenic Conference on Informatics, PCI 2016, 1012 November 2016, Patras, Greece. 2016.
11. A.G. Moutsopoulou, G. Foutsitzi, **C. Gogos**, and G.E. Stavroulakis. 'Robust control of smart structures with optimally placed actuators and sensors'. In: COMPDYN 2015 -5th ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering. 2015, pp. 3451–3460.
12. Panayiotis Alefragis, **Christos Gogos**, Christos Valouxis, George Goulas, Nikolaos Voros, and Efthymios Housos. 'Assigning and Scheduling Hierarchical Task Graphs to Heterogeneous Resources'. In: 10th International Conference of the Practice and Theory of Automated Timetabling, PATAT 2014, 26-29 August 2014, York, United Kingdom. 2014, pp. 40–52.
13. Georgia Foutsitzi, **Christos Gogos**, Georgios Stavroulakis, and Nikolaos Antoniadis. 'Optimization of Piezoelectric Patches in Smart Structures using Multi-Objective Genetic Algorithms'. In: Proceedings of the Twelfth International Conference on Computational Structures Technology. Ed. by B.H.V. Topping and P. Iványi. Paper 222. Civil-Comp Proceedings, ISSN 1759-3433, Sept. 2014.
14. Georgia Foutsitzi, Evangelos Hadjigeorgiou, **Christos Gogos**, and Georgios Stavroulakis. 'Modal shape control of smart composite beams using piezoelectric actuators'. In: 10th HSTAM (Hellenic Society for Theoretical and Applied Mechanics) 2013 International Congress on Mechanics. Chania, Crete, Greece: Technical University of Crete Publishing House, May 2013.
15. George Goulas, **Christos Gogos**, Christos Valouxis, Panayiotis Alefragis, and Nikolaos Voros. 'Coarse grain parallelization using Integer Programming'. In: 2013 11th IEEE International Conference on Industrial Informatics (INDIN). Institute of Electrical and Electronics Engineers (IEEE), July 2013, pp. 816–820.
16. George Goulas, Christos Valouxis, Panayiotis Alefragis, Nikolaos S. Voros, **Christos Gogos**, Oliver Oey, Timo Stripf, Thomas Bruckschloegl, Juergen Becker, Ali El Moussawi, Maxime Naullet, and Tomofumi Yuki. 'CoarseGrain Optimization and Code Generation for Embedded Multicore Systems'. In: 2013 Euromicro Conference on Digital System Design. IEEE. Los Alamitos, CA, USA: Institute of Electrical and Electronics Engineers (IEEE), Sept. 2013, pp. 379–386. DOI: 10.1109/dsd.2013.48. URL: <http://dx.doi.org/10.1109/DSD.2013.48>.
17. Christos Valouxis, **Christos Gogos**, Panayiotis Alefragis, George Goulas, Nikolaos Voros, and Efthymios Housos. 'DAG Scheduling using Integer Programming in heterogeneous parallel execution environments'. In: Multidisciplinary International Conference on Scheduling : Theory and Applications (MISTA 2013). Ghent, Belgium, 2630 August 2013, pp. 392–401.
18. Georgia Foutsitzi, **Christos Gogos**, Evaggelos Hadjigeorgiou, and Georgios Stavroulakis. 'Design Optimization of Smart Material Smart Piezoelectric Beams'. In: 5th International Conference from Scientific Computing to Computational Engineering. Learning Foundation in Mechatronics. Athens, Greece, Apr. 2012.

19. George Goulas, Panayiotis Alefragis, Nikolaos S. Voros, Christos Valouxis, **Christos Gogos**, Nikolaos Kavvadias, Grigoris Dimitroulakos, Kostas Masselos, Diana Goehringer, Steven Derrien, Daniel Menard, Olivier Sentieys, Michael Huebner, Timo Stripf, Oliver Oey, Juergen Becker, Gerard Rauwerda, Kim Sunesen, Dimitrios Kritharidis, and Nikolaos Mitas. 'From Scilab to multicore embedded systems: Algorithms and methodologies'. In: 2012 International Conference on Embedded Computer Systems (SAMOS). IEEE. Samos, Greece: Institute of Electrical and Electronics Engineers (IEEE), July 2012, pp. 268–275.
20. Christos Valouxis, **Christos Gogos**, Panayiotis Alefragis, and Efthymios Housos. 'Decomposing the High School Problem'. In: The 9th International Conference on the Practice and Theory of Automated Timetabling. Son, Norway, 2931 August 2012, pp. 209–221.
21. **Christos Gogos**, George Goulas, Panayiotis Alefragis, and Efthymios Housos. 'Distributed Scatter Search for the Examination Timetabling Problem'. In: The 8th International Conference on the Practice and Theory of Automated Timetabling. Belfast, Northern Ireland: Queen's University Belfast, Oct. 2010, pp. 211–223.
22. Gerhard Post, Jeffrey H Kingston, Samad Ahmadi, Sophia Daskalaki, **Christos Gogos**, Jari Kyngas, Cimmo Nurmi, Haroldo Santos, Ben Rorije, and Andrea Schaerf. 'An XML format for benchmarks in high school timetabling II'. In: The 8th International Conference on the Practice and Theory of Automated Timetabling. Belfast, Northern Ireland: Queen's University Belfast, Oct. 2010, pp. 347–352.
23. **Christos Gogos**, George Goulas, Panayiotis Alefragis, and Efthymios Housos. 'Pursuit of better results for the examination timetabling problem using grid resources'. In: 2009 IEEE Symposium on Computational Intelligence in Scheduling. IEEE. Nashville, USA: Institute of Electrical and Electronics Engineers (IEEE), Mar. 2009, pp. 48–53.
24. **Christos Gogos**, Panayiotis Alefragis, and Efthymios Housos. 'A multistaged algorithmic process for the solution of the examination timetabling problem'. In: The 7th International Conference on the Practice and Theory of Automated Timetabling. Montreal, Canada, 1822 August 2008.
25. **Christos Gogos**, Panayiotis Alefragis, and Efthymios Housos. 'Application Of Heuristics, Genetic Algorithms & Integer Programming At A Public Enterprise Water Pump Scheduling System'. In: 11th Panhellenic Conference on Informatics (PCI 2007)Current Trends in Informatics. Vol. A. Greek Computer Society and University of Patras Dept. of Computer Engineering & Informatics. Patras, Greece: New Technologies Publications, 1820 May 2007, pp. 579–589.
26. **Christos Gogos**, Panayiotis Alefragis, and Efthymios Housos. 'Sensor enabled rule based alarm system for the agricultural industry'. In: 2007 IEEE Conference on Emerging Technologies & Factory Automation (EFTA 2007). IEEE. Patras, Greece: Institute of Electrical and Electronics Engineers (IEEE), Sept. 2007, pp. 912–915.
27. G. Goulas, V. Barkayannis, S. Gianoulis, **C. Gogos**, P. Alefragis, P. Foundas, C. Valouxis, S. Koubias, and E. Housos. 'ERMIS: A Helicopter Taxi Company Software Support System based on GPS, GSM and Web Services'. In: 2006 IEEE Conference on Emerging Technologies and Factory Automation. IEEE. Prague, Czech: Institute of Electrical and Electronics Engineers (IEEE), Sept. 2006, pp. 1107–1114.
28. **Christos Gogos**, Panayiotis Alefragis, and Efthymios Housos. 'Public Enterprise Water Pump Scheduling System'. In: 2005 IEEE Conference on Emerging Technologies and Factory Automation. Vol. 2. IEEE. Catania, Italy: Institute of Electrical and Electronics Engineers (IEEE), 1922 September 2005, pp. 841–844.

BOOK CHAPTERS

Four (4) book chapters:

1. **Christos Gogos** and George Georgiou. 'Appliance Identification Through Nonintrusive Load Monitoring in Residences'. In: Computational Intelligence and Optimization Methods for Control Engineering. Springer, 2019, pp. 227–244.
2. Georgios Stavroulakis, Georgia Foutsitzi, and **Christos Gogos**. 'Optimization of Design Parameters for Active Control of Smart Piezoelectric Structures'. English. In: Optimization, Control, and Applications in the Information Age. Ed. by Athanasios Migdalas and Athanasia Karakitsiou. Vol. 130. Springer Proceedings in Mathematics & Statistics. Springer International Publishing, Aug. 11, 2015, pp. 335–348. ISBN: 9783319185668.

3. Jürgen Becker, Thomas Bruckschloegl, Oliver Oey, Timo Stripf, George Goulas, Nick Raptis, Christos Valouxis, Panayiotis Alefragis, Nikolaos S. Voros, and **Christos Gogos**. 'ProfileGuided Compilation of Scilab Algorithms for Multiprocessor Systems'. In: Lecture Notes in Computer Science. LNCS 8405. Springer Nature, 2014, pp. 330–336.
4. George Goulas, **Christos Gogos**, Christos Valouxis, Panayiotis Alefragis, and Nikolaos Voros. 'Coarse Grained Parallelism Optimization for Multicore Architectures: The ALMA Project Approach'. In: Lecture Notes in Computer Science. LNCS 7806. Springer Nature, 2013, pp. 235–236.

ABSTRACTS – PAPERS AT NATIONAL JOURNALS AND CONFERENCES – TECHNICAL REPORTS

Also, co-authored four (4) abstracts submitted to international conferences, one (1) paper at a national (Greek) Journal, two (2) papers at national (Greek) conferences and one (1) technical report.

REFERENCES – CITATIONS

Cited more than 500 times http://scholar.google.gr/citations?user=iNX_7IsAAAAJ&hl=en

RESEARCH PROJECTS

List of research projects that I participated as a partner:

- [2010-2011] SCAMSTOP: Scams and Fraud Detection in Voice over IP Networks (FP7). Partner to the Technological Educational Institute of Mesolonghi.
- [2012] EFFMIS: European Forest Fire monitoring using Information Systems (INTERREG IVC). Partner to the University of Patras.
- [2011-2014] ALMA: Architecture oriented parallelization for high performance embedded Multicore systems using scilAb (FP7). Partner to the Technological Educational Institute of Mesolonghi.
- [2012-2015] MoSiCoSS: Modelling, Simulation and Control of Smart Composite Structures, Research Funding Program: ARCHIMEDES III. Partner to the Technological Educational Institute of Epirus
- [2014-2015] PIE: Pervasive Intelligent Energy. Partner to the University of Patras.
- [2016-2017] ARGO: WCET-Aware Parallelization of Model-Based Applications for Heterogeneous Parallel Systems, Partner to the Technological Educational Institute of Western Greece.
- [2018-2019] BALKNAMED: Balkan-Mediterranean Centre for Entrepreneurship and Innovation. Partner to the Technological Educational Institute of Epirus.
- [2018-2019] QNEST: Quality Network of Sustainable Tourism. Partner to the Technological Educational Institute of Epirus.

AWARDS

- 2nd place at the 2nd International Timetabling Competition ITC2007 (examination timetabling track). <http://www.cs.qub.ac.uk/itc2007/>
- 1st place at the 1st International Nurse Rostering Competition INRC2010 (all tracks). <https://www.kuleuven-kortrijk.be/nrpcompetition>
- 1st place at the 1st round of the 3rd International Timetabling Competition ITC2011. <https://www.utwente.nl/ctit/hstt/itc2011/results/round1/>
- 10th place at the ROADEF challenge 2012, Google's Machine Reassignment Problem. <http://challenge.roadef.org/2012/en/index.php>

FURTHER INFO

- Extensive programming and software engineering experience.
- Extensive experience in programming (Python, C, C++, Java, R, and others).