Vasileios A. Tatsis

Curriculum Vitae

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Info

Born	January 29th, 1990 at Ioannina (Greece)	Citizenship	Greek
Father's Name	Antonis	Mother's Name	Vasiliki
LinkedIn	`https://www.linkedin.com/in/vasileios-tatsis-74043359/`	Site	`http://www.cse.uoi.gr/~vtatsis` University of Ioannina, Department of Computer Science & Engineering

Education

JAN 2014 – MAR 2019 **DOCTOR OF PHILOSOPHY**, *Department of Computer Science & Engineering*, University of Ioannina, Greece.
GPA: Excellent 10/10
Thesis: Online Parameter Adaptation Methods for Population-Based Metaheuristics.

OCT 2011 – JUNE 2013 **MASTER OF SCIENCE**, *Department of Computer Science & Engineering*, University of Ioannina, Greece.
GPA: Excellent 9.10/10.
Thesis: Tackling a Vehicle-Inventory Routing Problem Through Ant Colony Optimization.

OCT 2007 – SEPT 2011 **UNDERGRADUATE STUDIES**, *Department of Computer Science* , University of Ioannina, Greece.
Best 2%.
Thesis: Comparative Study of Evolutionary Algorithms in Operation Research Problems.

SEPT 2004 – JUNE 2007 **HIGH SCHOOL DIPLOMA**, *Classiko High School*, Ioannina, Greece.
GPA: Excellent 19.1/20.

Teaching Experience

OCT 2020 – OCT 2021 **Adjunct Lecturer**, *Department of Computer Science & Engineering*, University of Ioannina, Greece.

Courses

o Introduction to Computer Science and to Unix Systems

o Evolutionary Computation

Teaching Assistant

2011-2017 **Unix Systems**, *Department of Computer Science & Engineering*, University of Ioannina, Greece.

2017-2018 **Linear Algebra**, *Department of Computer Science & Engineering*, University of Ioannina, Greece.

2012-2013 **Personal Tutoring**, Ioannina, Greece.

Working Experience

Research Associate

NOV 2021 DEC 2022 — Intelligent Computer Models, Sensors, and early Diagnostic Indicators in children's Automated Diagnosis of Oral Speech Disorders, Department of Speech and Language Therapy, University of Ioannina, Greece.

Postdoctoral Researcher

FEB 2020 FEB 2022 — Online Parameter Adaptation Methods for Population-Based Metaheuristics Enhanced with Machine Learning Techniques, Department of Computer Science & Engineering, University of Ioannina, Greece.

Research Intern

SEPT 2019 NOV 2019 — Optimization Algorithms and Operations Research Techniques, Department of Economics and Business, Universitat Pompeu Fabra, Barcelona, Spain.

Research Assistant

JUL 2018 SEPT 2019 — Sustainable Inventory Management: Quantitative Models, Department of Mathematics, University of Ioannina, Greece.

Research Assistant

SEPT 2012 FEB 2014 — Operations Research Techniques for Inventory Management. Department of Accounting and Finance, University of Ioannina, Greece.

Sales/Team Manager

SEPT 2004 SEPT 2020 — COSMOTE, Tatsis Antonios, Mpizaniou 38, Ioannina, Greece.

Computer Technician

JUL 2011 SEPT 2011 — OMEGANET, Tsiolas Euaggelos, Mpizaniou 7, Ioannina, Greece.

Mobile Phone Technician

JUL 2004 SEPT 2010 — NOKIA STORE, Tatsis Antonios, Mpizaniou 38, Ioannina, Greece.

Honors, Grands & Research Programs

Honor Graduated on top 2% of the best students, ranking in the 2nd position in the graduation ceremony of my year, Department of Computer Science & Engineering, University of Ioannina, Greece.

IKY	Grant for funding entry in institutions of 3rd level education, Department of Computer Science & Engineering, University of Ioannina, Greece.
ARXIMIDIS III	Operations Research Techniques for Inventory Management. Department of Computer Science & Engineering, University of Ioannina, Greece.
ESPA EDBM34	Scholarship for new Researchers, Department of Mathematics, University of Ioannina, Greece.
Erasmus+	Research Intern, Department of Economics and Business, Universitat Pompeu Fabra, Barcelona, Spain.
IKY	Scholarship for Postdoctoral Researchers - 2nd Cycle, Department of Computer Science & Engineering, University of Ioannina, Greece.

Publications

Journals

Tatsis, V.A., Parsopoulos, K.E., Differential Evolution with Grid-Based Parameter Adaptation, Soft Computing, 21 (8), pp. 2105-2127, Springer, 2017.

Tatsis, V.A., Parsopoulos, K.E., Experimental Assessment of Differential Evolution with Grid-Based Parameter Adaptation, International Journal on Artificial Intelligence Tools, 27 (4), pp. 1-20, World Scientific, 2018.

Tatsis, V.A., Parsopoulos, K.E., Dynamic Parameter Adaptation in Metaheuristics Using Gradient Approximation and Line Search, Applied Soft Computing, 74, pp. 368-384, Elsevier, 2019.

Krommyda, I., Tatsis V.A., Skouri, K., Optimal Ordering and Disposal Decisions for Products with a Fixed shelf life, RAIRO - Operations Research 54 (5), pp. 1453-1465, 2020.

Parsopoulos, K.E., Tatsis, V.A., Kotsireas I.S., Pardalos P.M., Parallel Algorithm Portfolios with Adaptive Resource-Allocation Strategy, Journal of Global Optimization, (under review).

Tatsis, V.A., Parsopoulos, K.E., Dynamic Reinforced Online Population Method for Population-based Metaheuristics, (under submission).

Edited Volumes

Tatsis, V.A., Parsopoulos, K.E., Skouri, K., Konstantaras, I., An Ant-Based Optimization Approach for Inventory Routing, Advances in Intelligent Systems and Computing, Vol. 227, M. Emmerich et al. (eds.), pp. 107-121, 2013, Springer.

Tatsis, V.A., Parsopoulos, K.E., Experimental Sensitivity Analysis of Grid-Based Parameter Adaptation Method. In Heuristics for Optimization and Learning (pp. 335-346). Springer, Cham.

Conferences

Piperagkas, G.S., Voglis, C., Tatsis, V.A., Parsopoulos, K.E., Skouri, K., Applying PSO and DE on Multi-Item Inventory Problem with Supplier Selection, The 9th Metaheuristics International Conference (MIC 2011), Udine, Italy, pp. 359-368, 2011.

Tatsis, V.A., Parsopoulos, K.E., Grid Search for Operator and Parameter Control in Differential Evolution, 9th Hellenic Conference on Artificial Intelligence (SETN 2016), Thessaloniki, Greece, 2016, ACM International Conference Proceeding Series.

Tatsis, V.A., Parsopoulos, K.E., Grid-Based Parameter Adaptation in Particle Swarm Optimization, 12th Metaheuristics International Conference (MIC 2017), Barcelona, Spain, pp. 217-226, 2017.

Tatsis, V.A., Parsopoulos, K.E., On the Sensitivity of Grid-Based Parameter Adaptation Method, 7th International Conference on Metaheuristics and Nature Inspired Computing (META 2018), Marrakech, Morocco, pp. 86-94, 2018.

Krommyda, I., Tatsis V.A., Skouri, K., Optimal Ordering and Disposal Decisions for Products with a Fixed Shelf Life, 20th International Symposium on Inventories (ISIR 2019), Budapest, Hungary, (Abstract), 2018.

Krommyda, I., Tatsis V.A., Skouri, K., 8th International Symposium & 30th National Conference on Operational Research (HELORS 2019), Patra, Greece.

Tatsis, V.A., Parsopoulos, K.E., Reinforced Online Parameter Adaptation Method for Population-based Metaheuristics, 2020 IEEE Symposium Series on Computational Intelligence (SSCI), Online, Canberra, Australia, 2020.

Parsopoulos, K.E., Tatsis, V.A., Kotsireas I.S., Pardalos P.M., Parallel Algorithm Portfolios with Adaptive Resource-Allocation Strategy, WCGO 2021 World Congress on Global Optimization, Online, Athens, Greece, 2021.

Active Reviewer

Swarm and Evolutionary Computation, Knowledge-Based Systems, Applied Soft Computing, Applied Intelligence, Artificial Intelligence Tools, Mathematics And Computers In Simulation, SADHANA.

Computer Skills

Languages C, C++, JAVA, JavaScript, Haskel, Prolog, IJVM, Fortran, Pascal, SQL, PHP, HTML, BASH, LaTeX.

Platforms Unix, Linux, Windows, MacOS.   DB   MySQL.

Tools Matlab, OpenMPI, Visual Studio, Eclipse IDE, Netbeans IDE, UNIX shell tools, OpenGL, Office Suite, Photoshop, Premiere, Final Cut Pro X, Logic Pro Tools, Cubase, FL Studio, After Effects, Eon Vue Studio, Autodesk Maya.

Languages

(C2 maximum evaluation)

| | | Comprehension | | Speaking | | Writing |
		Listening	Reading	Interaction	Production	
Hellenic	Mother Tongue	C2	C2	C2	C2	C2
English	Foreign Language	C2	C2	C2	C2	C2