

CURRICULUM VITAE

NIKOLAOS PLOSKAS

Assistant Professor

**Department of Informatics & Telecommunications Engineering
University of Western Macedonia**

KOZANI, GREECE

APRIL 2019

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CURRICULUM VITAE

1. PERSONAL INFORMATION

SURNAME: PLOSKAS
FIRST NAME: NIKOLAOS
FATHER'S NAME: IOANNIS
MOTHER'S NAME: THEODORA
DATE OF BIRTH: 24 JUNE 1985
PLACE OF BIRTH: KOZANI
WORK ADDRESS: KARAMANLI & LIGERIS
KOZANI 501 32, Greece
WORK PHONE: +30 2461056528
MOBILE PHONE: +30 6937109390
EMAIL: nploskas@uowm.gr, ploskasn@gmail.com

2. EDUCATION

01/2010 – 01/2014: Ph.D. in Computer Science at the Department of Applied Informatics, University of Macedonia, Thessaloniki, Greece. Subject: Hybrid optimization algorithms – implementation on GPU. Grade: Excellent. Supervisor: Prof. Nikolaos Samaras.

10/2007 – 07/2009: M.Sc. in Computer Science at the Department of Applied Informatics, University of Macedonia, Thessaloniki, Greece. Thesis subject: Parallel programming of an exterior point algorithm for solving linear programming problems. GPA: 9.58 (on a scale of 0 to 10).

09/2003 – 09/2007: B.Sc. in Computer Science at the Department of Applied Informatics, University of Macedonia, Thessaloniki, Greece. Thesis subject: Development of software for conducting computational studies. GPA: 8.01 (on a scale of 0 to 10).

2003: Graduation from the 2nd High School of Kozani, Greece. GPA: 18.7 (on a scale of 0 to 20).

3. HONORS – AWARDS

July 2016: The paper entitled “*An interactive spatial decision support system enabling co-located collaboration using tangible user interfaces for the multiple capacitated facility location problem*”, published in International Journal of Decision Support System Technology (IJDSST), was selected among the winners of the Eighth Annual Excellence in Research Journal Awards, as one of the best articles from the 2015 volume year.

June 2015: Winner of the 2014 HELORS (Hellenic Operational Research Society) Doctoral Dissertation Award.

May 2010: I graduated with the highest degree (9.58 on a scale of 0 to 10) at the Master in Computer Science of the Department of Applied Informatics, University of Macedonia, Greece.

February 2009: Scholarship for second best GPA in the fourth semester at the Master in Computer Science of the Department of Applied Informatics, University of Macedonia, Greece.

October 2008: Scholarship for best GPA in the third semester at the Master in Computer Science of the Department of Applied Informatics, University of Macedonia, Greece.

February 2008: Scholarship for second best GPA in the second semester at the Master in Computer Science of the Department of Applied Informatics, University of Macedonia, Greece.

October 2007: Scholarship for best GPA in preliminary rate at the Master in Computer Science of the Department of Applied Informatics, University of Macedonia, Greece.

4. ACADEMIC AND PROFESSIONAL EXPERIENCE

4.1. ACADEMIC EXPERIENCE

17/10/2018 – today: Assistant Professor at the Department of Informatics & Telecommunications Engineering, University of Western Macedonia, Greece.

01/10/2018 – 31/07/2019: Adjunct Lecturer at the School of Business Administration, Hellenic Open University, Greece.

20/10/2017 – 31/07/2018: Adjunct Lecturer at the School of Business Administration, Hellenic Open University, Greece.

26/02/2018 – 29/06/2018: Adjunct Lecturer at the Department of Business Administration (Grevena), Technological Educational Institute of Western Macedonia, Greece.

05/10/2017 – 09/02/2018: Adjunct Lecturer at the Department of Informatics & Telecommunications Engineering, University of Western Macedonia, Greece.

05/10/2017 – 09/02/2018: Adjunct Lecturer at the Department of Business Administration (Grevena), Technological Educational Institute of Western Macedonia, Greece.

05/10/2017 – 09/02/2018: Adjunct Lecturer at the Department of Business Administration (Kozani), Technological Educational Institute of Western Macedonia, Greece.

19/03/2013 – 19/07/2013: Adjunct Lecturer at the Department of Business Information Technologies, Technological Educational Institute of Western Macedonia, Greece.

08/10/2012 – 15/02/2013: Adjunct Lecturer at the Department of Business Information Technologies, Technological Educational Institute of Western Macedonia, Greece.

08/10/2012 – 15/02/2013: Adjunct Lecturer at the Department of Information Technology in Administration and Economy, Technological Educational Institute of Western Macedonia, Greece.

20/02/2012 – 29/06/2012: Adjunct Lecturer at the Department of Business Information Technologies, Technological Educational Institute of Western Macedonia, Greece.

03/10/2011 – 10/02/2012: Adjunct Lecturer at the Department of Business Information Technologies, Technological Educational Institute of Western Macedonia, Greece.

20/10/2011 – 13/01/2012: Teaching Assistant (with contract) at the Department of Applied Informatics, University of Macedonia.

08/03/2011 – 01/07/2011: Adjunct Lecturer at the General Sciences Department, Technological Educational Institute of Western Macedonia, Greece.

08/03/2011 – 01/07/2011: Adjunct Lecturer at the Department of Business Information Technologies, Technological Educational Institute of Western Macedonia, Greece.

04/10/2010 – 18/02/2011: Adjunct Lecturer at the Department of Business Information Technologies, Technological Educational Institute of Western Macedonia, Greece.

04/10/2010 – 18/02/2011: Adjunct Lecturer at the Department of Business Information Technologies, Technological Educational Institute of Western Macedonia, Greece.

09/09/2011 – 24/10/2011: Teacher in the course “Multimedia – Web Applications” in INEDIBIM (Institute for Lifelong Learning).

08/04/2011 – 30/05/2011: Teacher in the course “Multimedia – Web Applications” in INEDIBIM (Institute for Lifelong Learning).

18/03/2010 – 17/03/2011: Teaching Assistant (with contract) in the M.Sc. in Applied Informatics, at the University of Macedonia, Greece.

4.2. ΕΠΑΓΓΕΛΜΑΤΙΚΗ ΕΜΠΕΙΡΙΑ

05/07/2017 – 15/10/2018: ICT Consultant, and freelance web, desktop and mobile app developer.

27/02/2015 – 15/10/2018: Postdoctoral Researcher at the Center for Advanced Process Decision-making (CAPD) laboratory, Carnegie Mellon University, Pittsburgh, USA, under the supervision of Professor Nick Sahinidis.

05/07/2016 – 05/08/2016: Participation in the research project “Modelling of Operations Research Problems” funded by VELTIO Greece LTD.

20/02/2008 – 31/12/2015: ICT Consultant, and freelance web, desktop and mobile app developer.

13/11/2014 – 31/10/2015: Participation in the research project “Unit of Innovation and Entrepreneurship” funded by National Funds.

01/06/2015 – 30/06/2015: Participation in the research project “Extension of atmospheric dispersion and consequence modelling in Decision Support Systems” funded by the European Union.

10/04/2013 – 31/12/2014: Participation in the research project “Digital guide of higher technological education professions” funded by the Greek Ministry of Education, Research and Religious Affairs.

20/01/2014 – 20/10/2014: Software engineer during my military duty for the Hellenic Army.

01/05/2014 – 31/07/2014: Participation in the research project “PREPARE” funded by the European Union.

01/12/2013 – 30/04/2014: Participation in the research project “HEALS – Health and Environment – wide Associations based on Large population Surveys” funded by the European Union.

24/07/2013 – 23/03/2014: Participation in the research project “Greek School Network Division Program” funded by the Greek Ministry of Education, Research and Religious Affairs.

01/03/2013 – 31/10/2013: Participation in the research project “OFFICAIR – On the reduction of health effects from combined exposure to indoor air pollutants in modern offices” funded by the European Union.

20/02/2013 – 19/06/2013: Participation in the research project “Cross-border vertical axes of entrepreneurship in support of youth and women” funded by National Funds of Greece and Bulgaria.

12/10/2012 – 11/04/2013: Participation in the research project “Greek School Network Division Program” funded by the Greek Ministry of Education, Research and Religious Affairs.

13/12/2011 – 12/07/2012: Participation in the research project “Unit of Innovation and Entrepreneurship” funded by National Funds.

01/09/2010 – 30/06/2011: Participation in the research project “Evaluation of the effectiveness and efficiency of networks with the use of operations research methods” funded by the Research Committee of the University of Macedonia, Greece.

16/02/2010 – 30/06/2010: Teacher in IEK Lagkada.

01/10/2009 – 22/01/2010: Teacher in IEK Lagkada.

16/02/2009 – 30/06/2009: Teacher in IEK Epanomis.

16/02/2009 – 30/06/2009: Teacher in IEK Neapolis.

02/10/2008 – 13/02/2009: Teacher in IEK Epanomis.

19/06/2008 – 30/09/2008: Software engineer for the development of computerization system of Student Internship Office, University of Macedonia, Greece.

15/04/2008 – 15/06/2008: Participation in the research project “Publication of educational material using Moodle” funded by National Funds.

01/02/2008 – 30/03/2008: Participation in the research project “Publication of educational material using Moodle” funded by National Funds.

01/08/2007 – 30/12/2007: Participation in the research project “Empowering eScience across the Mediterranean (EUMEDGRID)” funded by the European Union.

01/11/2006 – 28/02/2007: Internship at the department of Statistics and Research, Industrial Chamber of Thessaloniki.

01/02/2006 – 28/09/2006: Part-time employee at the National Hellenic Organization of Telecommunications (OTE).

5. COURSES TAUGHT

5.1. DEPARTMENT OF INFORMATICS & TELECOMMUNICATIONS ENGINEERING, UNIVERSITY OF WESTERN MACEDONIA

Algorithms and Data Structures (Mandatory, 3rd semester): Academic year: 2018 – 2019.

Mathematical Modelling and Numerical Analysis (Mandatory, 4th semester): Academic year: 2018 – 2019.

Design and Analysis of Algorithms (Mandatory, 6th semester): Academic year: 2018 – 2019.

Theory of Computation (Elective, 7th and 9th semester): Academic years: 2017 – 2018 and 2018 – 2019.

5.2. SCHOOL OF BUSINESS ADMINISTRATION, HELLENIC OPEN UNIVERSITY

Quantitative Methods (Mandatory, 1st year): Academic years: 2017 – 2018 and 2018 – 2019.

5.3. DEPARTMENT OF BUSINESS ADMINISTRATION (GREVENA), TECHNOLOGICAL EDUCATIONAL INSTITUTE OF WESTERN MACEDONIA

Databases I (Mandatory, 5th semester): Academic year: 2017 – 2018.

Information Systems Security (Mandatory, 6th semester): Academic year: 2017 – 2018.

5.4. DEPARTMENT OF BUSINESS ADMINISTRATION (KOZANI), TECHNOLOGICAL EDUCATIONAL INSTITUTE OF WESTERN MACEDONIA

Introduction to Informatics (Mandatory, 1st semester): Academic year: 2017 – 2018.

5.5. DEPARTMENT OF BUSINESS INFORMATION TECHNOLOGIES, TECHNOLOGICAL EDUCATIONAL INSTITUTE OF WESTERN MACEDONIA

Basic Principles of Programming (Mandatory, 2nd semester): Academic year: 2010 – 2011.

Δομές Δεδομένων και Αρχείων (Mandatory, 2nd semester): Academic years: 2010 – 2011, 2011 – 2012.

Programming (Mandatory, 3rd semester): Academic years: 2010 – 2011, 2012 – 2013.

Object Oriented Programming (Mandatory, 5th semester): Academic year: 2011 – 2012.

Data Warehouses and Data Mining (Mandatory, 6th semester): Academic year: 2012 – 2013.

Web-based Applications (Mandatory, 7th semester): Academic year: 2012 – 2013.

5.6. DEPARTMENT OF INFORMATION TECHNOLOGY IN ADMINISTRATION AND ECONOMY, TECHNOLOGICAL EDUCATIONAL INSTITUTE OF WESTERN MACEDONIA

Multimedia Applications (Mandatory, 5th semester): Academic year: 2012 – 2013.

5.7. GENERAL SCIENCES DEPARTMENT, TECHNOLOGICAL EDUCATIONAL INSTITUTE OF WESTERN MACEDONIA

Computers I (Mandatory, 1st semester): Academic year: 2010 – 2011.

Computers II (Mandatory, 2nd semester): Academic year: 2010 – 2011.

5.8. TEACHING ASSISTANT

5.8.1. M.SC. IN APPLIED INFORMATICS, UNIVERSITY OF MACEDONIA

Programming: (Mandatory, 1st semester), Academic year: 2011 – 2012.

Web Programming: (Elective, 2nd semester), Academic year: 2009 – 2010, 2010 – 2011.

5.8.2. DEPARTMENT OF APPLIED INFORMATICS, UNIVERSITY OF MACEDONIA

Algorithms in C: (Mandatory, 1st semester), Academic year: 2010 – 2011.

Structural Programming: (Mandatory, 1st semester), Academic year: 2010 – 2011.

Data Structures: (Mandatory, 2nd semester), Academic years: 2010 – 2011, 2011 – 2012.

Introduction to the Design and Analysis of Algorithms: (Mandatory, 2nd semester), Academic year: 2010 – 2011.

5.9. TEACHER IN SEMINARS

September 2011 – October 2011 (50 hours): Teacher in the course “Multimedia – Web Applications” in INEDIBIM (Institute for Lifelong Learning).

April 2011 – May 2011 (50 hours): Teacher in the course “Multimedia – Web Applications” in INEDIBIM (Institute for Lifelong Learning).

5.10. STUDENT SUPERVISION

5.10.1. Supervision of Undergraduate Students

I supervised two bachelor theses at the Department of Business Information Technologies, Technological Educational Institute of Western Macedonia and one bachelor thesis at the Department of Information Technology in Administration and Economy, Technological Educational Institute of Western Macedonia.

5.10.1.1. Zekentes, G. (2013). *Analysis, design and implementation of a web and mobile application using Joomla*. Department of Information Technology in Administration and Economy, Technological Educational Institute of Western Macedonia.

- 5.10.1.2. Koterlager, C. (2013). *Development of an online hotel booking system using Java and MySQL*. Department of Business Information Technologies, Technological Educational Institute of Western Macedonia
- 5.10.1.3. Papadopoulos, N. C. (2013). Comparison of image editing software. Department of Business Information Technologies, Technological Educational Institute of Western Macedonia

5.10.2. Member of Bachelor/Master Theses Review Committees

I was a member of the Master Thesis Review Committees of one Master Thesis at the Department of Informatics and Telecommunications Engineering, University of Western Macedonia and I was a member of the Bachelor Thesis Review Committees of three Bachelor Theses at the Department of Business Information Technologies, Technological Educational Institute of Western Macedonia.

- **Master Thesis Committee Member**
 - 03/2019: Nikolaos Baras, “Optimal routing of unmanned vehicles in 3-dimensional environments”, Advisor: Minas Dasygenis, Department of Informatics & Telecommunications Engineering, University of Western Macedonia.

6. RESEARCH/PROFESSIONAL ACTIVITY & MEMBERSHIPS

6.1. CONFERENCE/WORKSHOP COMMITTEES

- 9th Balkan Region Conference on Engineering and Business Education (BRCEBE 2019) and 12th International Conference on Engineering and Business Education (ICEBE 2019), 16 – 19 October 2019, Sibiu, Romania (Program Committee Member).
- 5th International Conference on Machine Learning, Optimization, and Data Science (LOD 2019), 10 – 13 September 2019, Certosa di Pontignano, Siena – Tuscany, Italy (Program Committee Member).
- 16th International Conference on the Integration of Constraint Programming, Artificial Intelligence, and Operations Research (CPAIOR 2019), 4 – 7 June 2019, Thessaloniki, Greece (Organizing Committee Member, Sponsorship Chair).
- 5th International Conference on Decision Support System Technology (ICDSST 2019), 27 – 29 May 2019, Madeira, Portugal (Program Committee Member).
- 4th International Conference on Machine Learning, Optimization, and Data Science (LOD 2018), 13 – 16 September 2018, Volterra, Tuscany, Italy (Program Committee Member).
- 4th International Conference on Decision Support System Technology (ICDSST 2018), 22 – 25 May 2018, Heraklion, Greece (Organizing Committee Member, Program Committee Member).
- 10th International Conference on Engineering and Business Education (ICEBE 2017), 19 – 22 October 2017, Sibiu, Romania (Program Committee Member).
- 3rd International Conference on Decision Support System Technology (ICDSST 2017), 29 – 31 May 2017, Namur, Belgium (Program Committee Member).
- 2nd International Conference on Internet of Things and Cloud Computing (ICC 2017), 22 – 23 March 2017, Cambridge, United Kingdom (Program Committee Member).
- 2nd International Conference on Decision Support System Technology (ICDSST 2016), 23 – 25 May 2016, Plymouth, United Kingdom (Program Committee Member).
- 1st International Conference on Decision Support System Technology (ICDSST 2015), 27 – 29 May 2015, Belgrade, Serbia (Program Committee Member).

6.2. JOURNAL REFEREE

- Annals of Operations Research
- Applied Soft Computing
- Asian Journal of Mathematics and Computer Research
- British Journal of Mathematics & Computer Science
- Caspian Journal of Applied Sciences Research
- Chemical Engineering Research and Design
- Computer-Aided Design
- Computational Optimization and Applications
- Computers & Chemical Engineering
- Engineering Optimization
- Heliyon
- IEEE Access
- Industrial & Engineering Chemistry Research
- International Journal of Agricultural and Environmental Information Systems
- International Journal of Decision Support System Technology
- International Journal of Decision Support Systems
- International Journal of Information Technology Project Management
- International Journal of Information Systems and Social Change
- Journal of Business Ethics
- Journal of Decision Systems
- Journal of Global Optimization
- Journal of Parallel and Distributed Computing
- Kybernetes
- Mathematical Programming Computation
- Mathematics
- Operational Research
- Optimization Letters
- SpringerPlus
- Yugoslav Journal of Operations Research

6.3. EDITED BOOK REFEREE

- Springer Lecture Notes in Business Information Process on Decision Support Systems VIII – Sustainable Data-Driven and Evidence-Based Decision Support (LNBIP 313).
- Springer Lecture Notes in Business Information Process on Decision Support Systems VII – Data, Information and Knowledge Visualisation in Decision Support Systems (LNBIP 282).
- Springer Integrated Series in Information Management (IS2) on Real-World Decision Support Systems: Case Studies.
- Springer Lecture Notes in Business Information Process on Decision Support Systems VI – Decision Support Systems Addressing Sustainability & Societal Challenges (LNBIP 250).
- Springer Lecture Notes in Business Information Process on Decision Support Systems V – Big Data Analytics for Decision Making (LNBIP 216).
- Springer Lecture Notes in Business Information Process on Decision Support Systems IV – Information and Knowledge Management in Decision Processes (LNBIP 221).
- Springer Lecture Notes in Business Information Process on Decision Support Systems III – Impact of Decision Support Systems for Global Environments (LNBIP 184).

- Springer Lecture Notes in Business Information Process on Decision Support Systems II – Recent Developments Applied to DSS Network Environments (LNBIP 164).
- Springer Lecture Notes in Mathematics & Statistics 31 on Optimization Theory, Decision Making, and Operational Research Applications.

6.4. CONFERENCE/WORKSHOP REFEREE

- 4th International Conference on Machine Learning, Optimization, and Data Science (LOD 2018), 13 – 16 September, Volterra, Tuscany, Italy.
- 4th International Conference on Decision Support System Technology (ICDSST 2018), 22 – 25 May 2018, Heraklion, Greece.
- International Symposium on Big Data Management and Analytics (BIDMA 2017), 17 – 18 April, Calgary, Canada.
- 3rd International Conference on Decision Support System Technology (ICDSST 2017), 29 – 31 May, Namur, Belgium.
- 2nd International Conference on Internet of Things and Cloud Computing (ICC 2017), 22 – 23 March, Cambridge, United Kingdom.
- 2nd International Conference on Decision Support System Technology (ICDSST 2016), 23 – 25 May, Plymouth, United Kingdom.
- International Symposium on Big Data Management and Analytics (BIDMA 2016), 25 – 26 April, Calgary, Canada.
- International Workshop on Machine learning, Optimization and Big Data (MOD 2015), 21 – 24 July, Taormina - Sicily, Italy.
- 1st International Conference on Decision Support System Technologies (ICDSST 2015), 27 – 29 May, Belgrade, Serbia.
- EWG-DSS Thessaloniki 2013 Workshop, 29 – 31 May, Thessaloniki, Greece.
- 1st International Symposium & 10th Balkan Conference on Operational Research (BALCOR 2011), 22 – 25 September, Thessaloniki, Greece.

6.5. SCIENTIFIC MEMBERSHIP

- INFORMS Computing Society Member (<https://www.informs.org/Community/ICS>).
- SIAM Activity Group on Computational Science and Engineering (SIAG/CSE) Member (<http://www.siam.org/activity/cse/>).
- SIAM Activity Group on Optimization (SIAG/OPT) Member (<https://www.siam.org/activity/optimization/>).
- ACM Special Interest Group on Algorithms and Computation Theory Member (<http://www.sigact.org/>).
- ACM Special Interest Group on High Performance Computing Member (<http://www.sighpc.org/>).
- EURO Working Group on Continuous Optimization (EUROPT) Member (<http://europt.iam.metu.edu.tr/>).
- EURO Working Group on Decision Support Systems (EWG-DSS) Member (<https://ewgdss.wordpress.com/>).
- HELORS (HELlenic Operations Research Society) Member (www.eeee.org.gr).

6.6. RESEARCH PROJECTS

March 2016 – today: Participation in the research project «Heat exchangers optimization» funded by Mitsubishi Electric Research Laboratories, Massachusetts, USA.

July 2016 – September 2016: Participation in the research project «Modelling of Operations Research Problems» funded by VELTIO GREECE LTD.

June 2015 – May 2016: Participation in the research project «Chemical R&D analytics» funded by SABIC, Texas, USA.

May 2015 – May 2019: Management Committee Member of the COST Action TD1409 «Mathematics for Industry Network» funded by European Union.

January 2012 – January 2016: Management Committee Substitute Member of the COST Action ES1101 «Harmonizing Global Biodiversity Modelling» funded by the European Union.

November 2014 – October 2015: Participation in the research project «Unit of Innovation and Entrepreneurship» funded by National funds.

June 2015: Participation in the research project «Extension of atmospheric dispersion and consequence modelling in Decision Support Systems» funded by the European Union.

April 2013 – December 2014: Participation in the research project «Digital guide of higher technological education professions» funded by the Greek Ministry of Education, Research and Religious Affairs.

May 2014 – July 2014: Participation in the research project «PREPARE» funded by the European Union.

December 2013 – April 2014: Participation in the research project «HEALS – Health and Environment – wide Associations based on Large population Surveys» funded by the European Union.

July 2013 – March 2014: Participation in the research project «Greek School Network Division Program» funded by the Greek Ministry of Education, Research and Religious Affairs.

March 2013 – October 2013: Participation in the research project «OFFICAIR – On the reduction of health effects from combined exposure to indoor air pollutants in modern offices» funded by the European Union.

February 2013 – June 2013: Participation in the research project «Cross-border vertical axes of entrepreneurship in support of youth and women» funded by National funds of Greece and Bulgaria.

October 2012 – April 2013: Participation in the research project «Greek School Network Division Program» funded by the Greek Ministry of Education, Research and Religious Affairs.

December 2011 – July 2012: Participation in the research project «Unit of Innovation and Entrepreneurship» funded by National funds.

September 2010 – June 2011: Participation in the research project «Evaluation of the effectiveness and efficiency of networks with the use of operations research methods» funded by the Research Committee of the University of Macedonia.

June 2008 – September 2008: Participation in the project «Development of a computerization system of Student Internship Office» funded by the Research Committee of the University of Macedonia.

April 2008 – June 2008: Participation in the research project “Publication of educational material using Moodle” funded by National Funds.

February 2008 – March 2008: Participation in the research project “Publication of educational material using Moodle” funded by National Funds.

August 2007 – December 2007: Participation in the research project «Empowering eScience across the Mediterranean (EUMEDGRID)» funded by the European Union.

6.7. RESEARCH INTERESTS

- Optimization
- Mathematical Programming
- Algorithms
- Operations Research
- Machine Learning
- Decision Support Systems
- Scientific Computing
- Parallel and Distributed Computing

7. PUBLICATIONS

7.1. BOOKS/THESES

[B6] Papathanasiou, J., Ploskas, N. (2018). *Multiple criteria decision aid: methods, examples and Python implementations*. Series: Springer Optimization and its Applications, Springer International Publishing, Switzerland (ISBN: 978-3-319-91646-0). DOI: <https://www.doi.org/10.1007/978-3-319-91648-4>.

[B5] Ploskas, N., Samaras, N. (2017). *Linear programming using MATLAB*. Series: Springer Optimization and its Applications, Springer International Publishing, Switzerland (ISBN: 978-3-319-65919-0). DOI: <https://www.doi.org/10.1007/978-3-319-65919-0>.

[B4] Ploskas, N., Samaras, N. (2016). *GPU programming in MATLAB*. Morgan Kaufmann, USA (ISBN: 978-0-12-805132-0). DOI: <https://doi.org/10.1016/C2015-0-00281-7>.

[B3] Ploskas, N. (2014). *Hybrid optimization algorithms – Implementation on GPU*. PhD Thesis, Department of Applied Informatics, University of Macedonia

[B2] Ploskas, N. (2009). *Parallel programming of an exterior point algorithm for linear programming problems*. Master Thesis, Department of Applied Informatics, University of Macedonia.

[B1] Ploskas, N. (2007). *Software development for computational experiments*. Bachelor Thesis, Department of Applied Informatics, University of Macedonia.

7.2. EDITORIALS

[E3] Papathanasiou, J., Ploskas, N., Linden, I. (2016). *Real-world decision support systems: case studies*. Series: Integrated Series in Information Management (IS2), Springer International Publishing, Switzerland (ISBN: 978-3-319-43915-0). DOI: <http://doi.org/10.1007/978-3-319-43916-7>.

[E2] Delibasic, B., Liu, S., Ploskas, N. (2016). *Special issue on «Business Data Analytics and Management»*. International Journal of Decision Support System Technology, Vol. 8(1).

[E1] Delibasic, B., Liu, S., Ploskas, N. (2016). *Special issue on «Challenges in Business Information Processing»*. International Journal of Decision Support System Technology, Vol. 8(2).

7.3. CHAPTERS IN EDITED BOOKS

[EB10] Ploskas, N., Laughman, C., Raghunathan, A. U., Sahinidis, N. V. (2019). Heat exchanger circuitry design by decision diagrams. In M. Rousseau & K. Stergiou (Eds), *Integration of AI and OR Techniques in Constraint Programming (CPAIOR 2019)*. Lecture Notes in Computer Science, Springer, Cham (accepted).

[EB9] Voulgaropoulou, S., Ploskas, N., Samaras, N. (2019). Predicting the execution time of the interior point method for solving linear programming problems using artificial neural networks. In N. Matsatsinis et al. (Eds), *Learning and Intelligent Optimization (LION 13)*, Lecture Notes in Computer Science, Springer, Cham (accepted).

[EB8] Ploskas, N., Papathanasiou, J., Tsaples, G. (2017). Implementation of an extended fuzzy VIKOR method based on triangular and trapezoidal fuzzy linguistic variables and alternative defuzzification techniques. In I. Linden et al. (Eds), *Decision Support Systems VII – Data, Information and Knowledge in Decision Support Systems*, Lecture Notes in Business Information Processing (LNBIP 282), Springer New York, pp. 165 – 178. DOI: https://doi.org/10.1007/978-3-319-57487-5_12.

[EB7] Tsaples, G., Papathanasiou, J., Ploskas, N. (2017). Integrating System Dynamics with exploratory MCDA for robust decision-making. In I. Linden et al. (Eds), *Decision Support Systems VII – Data, Information and Knowledge in Decision Support Systems*, Lecture Notes in Business Information Processing (LNBIP 282), Springer New York, pp. 179 – 192. DOI: https://doi.org/10.1007/978-3-319-57487-5_13.

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7.9. CITATIONS

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