

Curriculum Vitae

Dimitrios J. Vergados

Assistant Professor
Distributed Computing Systems and Data Communications
Department of Informatics
Faculty of Sciences
University of Western Macedonia

Kastoria, September 29, 2022

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1. Personal Data

Name: Dimitrios J. Vergados

Address: Aristotelous 25, 52100, Maniakoi, Kastoria, Greece

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Email: dvergados@uowm.gr

Nationality: Greek and USA

Date of Birth: December 24, 1980

Gender: Male

2. Academic Positions / Work Experience

Assistant Professor, October 2018 – Today, Department of Informatics, University of Western Macedonia, topic: “Distributed Computing Systems and Data Communications”.

Postdoctoral Researcher, July 2014 – Today, National Technical University of Athens, School of Electrical and Computer Engineering, and University of Patras, Department of Computer Engineering and Informatics, Research, Software Development, Participation in research project, (in 2016 the research group was moved from the University of Patras to the National Technical University of Athens).

Adjunct Lecturer, September 2011 – June 2012, October 2013 – June 2014 and October 2017 – June 2018, Technological Educational Institution of Western Macedonia, Department of Computer Engineering.

Postdoctoral Researcher, October 2012 – September 2013, Norwegian University of Science and Technology (NTNU) Norway, Department of Telematics.

IT Manager / Software Engineer April 2011 – August 2011, Motion Group S.A.

Adjunct Lecturer, September 2010 – February 2011, University of Western Macedonia, Department of Computer and Communications Engineering.

Adjunct Lecturer, February 2010 – August 2010, Ionian University, Department of Informatics.

Postdoctoral Researcher, April 2009 – September 2013, National Technical University of Athens, School of Electrical and Computer Engineering, and University of Piraeus, Department of Informatics.

Postgraduate Researcher, October 2003 – April 2009, National Technical University of Athens, School of Electrical and Computer Engineering

3. Education

Postdoctoral Studies: Department of Telematics, Norwegian University of Science and Technology (NTNU), Norway, 2012-20213, Supervisor: Yuming Jiang

PhD: School of Electrical and Computer Engineering, National Technical University of Athens, 2009, dissertation: "Algorithms, performance evaluation and optimizations in wireless networks", Supervisor: Vassili Loumos

Diploma: School of Electrical and Computer Engineering, National Technical University of Athens, 2003

4. Teaching Experience

4.1. Undergraduate

2021 – 2022, Assistant Professor

Fall Semester, Department of Informatics, University of Western Macedonia:

- Distributed Systems, 5th semester
- Internet Programming, 5th semester
- Internet Technologies, 7th semester

Spring Semester, Department of Informatics, University of Western Macedonia:

- Operating Systems, 2nd semester
- Computer Networks, 4th semester

2020 – 2021, Assistant Professor

Fall Semester, Department of Informatics, University of Western Macedonia:

- Distributed Systems, 5th semester
- Internet Programming, 5th semester

Spring Semester, Department of Informatics, University of Western Macedonia:

- Operating Systems, 2nd semester
- Computer Networks, 4th semester

2019 – 2020, Assistant Professor

Fall Semester, Department of Informatics, University of Western Macedonia:

- Distributed Systems, 5th semester
- Internet Programming, 5th semester

Spring Semester, Department of Informatics, University of Western Macedonia:

- Operating Systems, 2nd semester
- Internet Applications, 6th semester

2018 – 2019, Assistant Professor

Fall Semester, Department of Informatics, University of Western Macedonia:

- Distributed Systems, 5th semester
- Internet Programming, 5th semester
- Internet Technologies, 7th semester

Spring Semester, Department of Informatics, University of Western Macedonia:

- Operating Systems, 2nd semester
- Internet Applications, 6th semester
- Telecommunications, 6th semester
- Wireless Mobile Communications, 6th semester

2017 – 2018, Adjunct Lecturer

Fall Semester, Department of Informatics, University of Western Macedonia:

- Distributed Systems, 5th semester
- Internet Programming, 5th semester
- Internet Technologies, 7th semester

Spring Semester, Department of Informatics, University of Western Macedonia:

- Operating Systems, 2nd semester
- Internet Applications, 6th semester
- Telecommunications, 6th semester
- Wireless Mobile Communications, 6th semester

2013 – 2014, Adjunct Lecturer

Fall Semester, Department of Informatics, University of Western Macedonia:

- Distributed Systems, 5th semester
- Internet Programming, 5th semester
- Internet Technologies, 7th semester

Spring Semester, Department of Informatics, University of Western Macedonia:

- Operating Systems, 2nd semester
- Internet Applications, 6th semester
- Telecommunications, 6th semester
- Wireless Mobile Communications, 6th semester

2011 – 2012, Adjunct Lecturer

Fall Semester, Department of Informatics, University of Western Macedonia:

- Distributed Systems, 5th semester
- Internet Programming, 5th semester
- Internet Technologies, 7th semester

Spring Semester, Department of Informatics, University of Western Macedonia:

- Operating Systems, 2nd semester
- Internet Applications, 6th semester
- Telecommunications, 6th semester
- Wireless Mobile Communications, 6th semester

2010 – 2011, Adjunct Lecturer

Fall Semester, Department of Computer and Communications Engineering, University of Western Macedonia:

- Design and Analysis of Communication Protocols, 7th semester
- “Microwave Communications”, 7th semester.

2009-2010, Adjunct Lecturer

Spring Semester, Department of Informatics, Ionian University:

- Computer Networks I, 4th semester
- Distributed Systems, 6th semester

4.2. Postgraduate**2018 – today**

MSC “Advanced Information Technologies and Services”, Department of Informatics, University of Western Macedonia, and Department of Informatics, University of Piraeus in the following specializations:

1. Contemporary Telecommunication Systems, Internet Technologies, Internet of Things, and System Security.
2. Information and Communication Technologies in Education

in the following courses:

- Wireless and Mobile Communication Technologies
- Advanced Topics in Computer Architecture
- Information Systems in the Internet, e-Commerce and Innovation
- Design and Development of Educational Software
- New Technology Tools and Educational Software
- Technologies and Programming in the World Wide Web
- Contemporary Networks and Services
- Advanced Digital Design

2020 – today

MSC: “Digital Culture, Smart Cities and Internet of Things”, Department of Informatics, University of Piraeus in the following courses:

- Software for Smart Cities, Software for IoT and Applications
- Sensor Networks

4.3. PhD supervision

4 PhD candidates

2020 – today: George Gkagkas, Paraskeyi Rapotika

2021 – today: Cleopatra Gkola, Alexandra Karava

4.4. Postdoctoral fellows

1 Postdoctoral fellow

2021 – today: Nikolaos Efthymiopoulos

4.5. Diploma theses supervision

Postgraduate Diploma Theses supervision of more than 10 diploma theses in postgraduate programs

Undergraduate theses supervision of more than 30 undergraduate theses

5. Administrative / Management work

2018 – today, Member of the assembly of the Department of Informatics, University of Western Macedonia

2019 – today, Representative of the Department of Informatics to the Research Committee (ELKE) of the University of Western Macedonia

2020 – today, Director of the “Telecommunications, Networks and Distributed Systems” Laboratory, in the Department of Informatics, School of Sciences, University of Western Macedonia, ΦΕΚ τ.Β’ 1921_19-5-2020, αρ 5890

2020 – today, Member of the “Team of Internal Evaluation” (OMEA) for the Department of Informatics, University of Western Macedonia

2020 – 2021, Responsible for the Distance Learning procedures of the Department of Informatics, University of Western Macedonia

2018 – today, Participation in the evaluation committees for the adjunct lectures for the Department of Informatics, University of Western Macedonia

2018 – today, Participation in various committees, including qualifying exams, receiving equipment, etc

2021 – 2022, Competition Implementation Committee for a research project with a budget of 1,449,451.00€

6. Research work

Dimitrios J. Vergados active in the field of Distributed Computing Systems and Data Communications. He has published 74 research papers, that are listed in Appendix A and include:

- 26 articles in international peer reviewed scientific journals, which include IEEE Transactions (2), IEEE journals/magazines (4), ACM (1), Elsevier (6), Springer (6), Wiley (1), and others.
- 45 articles in international scientific conferences, which include IEEE Infocom, IEEE Globecom, IEEE VTC, IEEE ICC, IEEE Percom, and others.
- 3 book chapters.

The published work of Dimitrios J. Vergados, at the moment of this document's creation, has been cited as follows:

- According to the Scopus database: 850 citations, h-index=13.
- According to the Google Scholar database: 1477 citations, h-index=18.

7. Funded Research Projects

7.1. EU funded projects

- Senior Researcher, FLEXGRID: A novel smart grid architecture that facilitates high RES penetration through innovative markets towards efficient interaction between advanced electricity grid management and intelligent stakeholders, Horizon 2020, H2020-LC-SC3-2019-ES-SCC
- Senior Researcher, Development of (e-) bicycle tourism, in a nature conscious and sustainable way, to promote local biodiversity (e-natura), Interreg IPA Cross-border Cooperation Programme "Greece – Albania 2014-2020"
- Senior Researcher, 5G-PHOS: 5G integrated Fiber-Wireless networks exploiting existing photonic technologies for high-density SDN-programmable network architectures, Horizon 2020, H2020-ICT-2016-2
- Senior Researcher, Social Energy: A Gaming and Social Network Platform for Evolving Energy Markets' Operation and Educating Virtual Energy Communities, Horizon 2020, H2020-ICT-2016-1

- Senior Researcher, ORCHESTRA: Optical peRformanCe monitoring enabling dynamic networks using a Holistic cross-layEr, Self-configurable Truly flexible appRoAch, Horizon 2020, H2020-ICT-2014-1
- Senior Researcher, NEPHELE: eNd to End scalable and dynamically reconfigurable oPtical archiTEcture for application-awarE SDN cLoud datacentErs, Horizon 2020, H2020-ICT-2014-1
- Senior Researcher, VIMSEN: Virtual Microgrids for Smart Energy Networks, FP7, FP7-ICT-2013-11
- Senior Reresearcher, ERCIM “Alain Bensoussan”: “Marie Curie Co-funding of Regional, National and International Programmes” (COFUND) της Ευρωπαϊκής Επιτροπής – Πρόγραμμα ABCDE no 246016
- Researcher, INHOME: An Intelligent Interactive Services Environment for Assisted Living at Home, FP6, FP6-2005-IST-6
- Researcher, UNITE: Virtual distributed test-bed for optimization and coexistence of heterogeneous systems, FP6-IST, IST-2004-2.4.5
- Researcher, BELIEVE 2007, Design, development and support of applications in the context of the research project BELIEVE

7.2. National Projects

- Senior Researcher, “Smart Digital Twin for Ship Engines”
- Work Package Leader, WP7, “Development of New Innovative Energy Technologies with Low Carbon Footprint for the Enhancement of Excellence in the Region of Western Macedonia
- Senior Researcher, “Vehicular 5G Network Architecture with Edge Computing for the Support of Innovative Services”
- Researcher – “Energy Efficient Optical Network Planning and Operation” - EEONPO
- Researcher in the program “Support of companies for employing personnel of high scientific education”, with code 591 and title “Open Automation Education Systems”
- Researcher - “Measurement of E/M radiation in the environment and documentation of measurements, validation of their results, and publishing results” with code B.198
- Researcher - “Development of Innovative sensor systems offering distributed intelligence – MEMSENSE”, priority axis: deliverable 12 “System Specification for Energy Autonomy of Intelligent Sensors, Literature Research, Methodology Design”, and deliverable 3 “IP block with digital circuits and relevant Energy Management algorithms” Design and development of simulation software, for validation and performance evaluation of energy management algorithms in autonomous wireless sensors. Implementation of energy management algorithms in an embedded system.
- Researcher - “Development and performance evaluation of algorithms for providing Quality of Service in Wireless Broadband Networks” supported by the “Reinforcement Program of Human Research Manpower” (PENED 2003),
- Researcher - “Development of Dynamic Models for Optimal Management of Urban Waste through the Internet”, work supported by the Greek General Secretariat of Research and Technology (GSRT) under “Environment – Pythagoras”
- Researcher - “Support of Computer and Communication studies employing electronic

educational material based on specialized multimedia software and simulation”, funded by the School of Electrical and Computer Engineering of the NTUA.

8. Distinctions

- Best Paper Award for the Faculty of Sciences, University of Western Macedonia, for the year 2020,

Appendix A. Publications

A.1. Publications in Scientific Journals

- [J1] N. I. Miridakis, E. T. Michailidis, A. Michalas, E. Skondras, **D. J. Vergados**, and D. D. Vergados. "Performance of uplink NOMA with user mobility under short packet transmission." In: *Springer Wireless Personal Communications* 122.3 (Feb. 2022), pp. 2273–2283.
- [J2] N. Efthymiopoulos, P. Makris, G. Tsaousoglou, K. Steriotis, **D. J. Vergados**, A. Khaksari, L. Herre, V. Lacort, G. Martinez, E. L. Lorente, et al. "FLEXGRID—A novel smart grid architecture that facilitates high-RES penetration through innovative flexibility markets towards efficient stakeholder interaction." In: *Open Research Europe* 1.128 (Oct. 2021), p. 128.
- [J3] E. T. Michailidis, N. I. Miridakis, A. Michalas, E. Skondras, **D. J. Vergados**, and D. D. Vergados. "Energy Optimization in Massive MIMO UAV-Aided MEC-Enabled Vehicular Networks." In: *IEEE Access* 9 (Aug. 2021), pp. 117388–117403.
- [J4] E. T. Michailidis, N. I. Miridakis, A. Michalas, E. Skondras, and **D. J. Vergados**. "Energy optimization in dual-RIS UAV-aided MEC-enabled internet of vehicles." In: *MDPI Sensors* 21.13 (July 2021), p. 4392.
- [J5] E. Skondras, E. T. Michailidis, A. Michalas, **D. J. Vergados**, N. I. Miridakis, and D. D. Vergados. "A network slicing framework for uav-aided vehicular networks." In: *MDPI Drones* 5.3 (July 2021), p. 70.
- [J6] E. Skondras, A. Michalas, **D. J. Vergados**, E. T. Michailidis, N. I. Miridakis, and D. D. Vergados. "Network Slicing on 5G Vehicular Cloud Computing Systems." In: *MDPI Electronics* 10.12 (June 2021), p. 1474.
- [J7] **D. J. Vergados**, K. Kravetska, Y. Jiang, and A. Michalas. "Local voting: A new distributed bandwidth reservation algorithm for 6TiSCH networks." In: *Elsevier Computer Networks* 180 (Oct. 2020), p. 107384.
- [J8] I. Mamounakis, N. Efthymiopoulos, **D. J. Vergados**, G. Tsaousoglou, P. Makris, and E. M. Varvarigos. "A pricing scheme for electric utility's participation in day-ahead and real-time flexibility energy markets." In: *IEEE Journal of Modern Power Systems and Clean Energy* 7.5 (Sept. 2019), pp. 1294–1306.
- [J9] I. Mamounakis, N. Efthymiopoulos, P. Makris, **D. J. Vergados**, G. Tsaousoglou, and E. M. Varvarigos. "A novel pricing scheme for managing virtual energy communities and promoting behavioral change towards energy efficiency." In: *Elsevier Electric Power Systems Research* 167 (Feb. 2019), pp. 130–137.
- [J10] **D. J. Vergados**, N. Amelina, Y. Jiang, K. Kravetska, and O. Granichin. "Toward optimal distributed node scheduling in a multihop wireless network through local voting." In: *IEEE Transactions on Wireless Communications* 17.1 (Oct. 2017), pp. 400–414.
- [J11] V. Gkamas, K. Christodoulouopoulos, **D. J. Vergados**, and E. Varvarigos. "Energy – minimized design of IP over flexible optical networks." In: *Wiley International Journal of Communication Systems* 30.7 (May 2017), e3032.
- [J12] **D. J. Vergados**, I. Mamounakis, P. Makris, and E. Varvarigos. "Prosumer clustering into virtual microgrids for cost reduction in renewable energy trading markets." In: *Elsevier Sustainable Energy, Grids and Networks* 7 (Sept. 2016), pp. 90–103.

- [J13] **D. J. Vergados**, A. Michalas, A. Sgora, D. D. Vergados, and P. Chatzimisios. "FDASH: A fuzzy-based MPEG/DASH adaptation algorithm." In: *IEEE Systems Journal* 10.2 (June 2015), pp. 859–868.
- [J14] N. Amelina, A. Fradkov, Y. Jiang, and **D. J. Vergados**. "Approximate consensus in stochastic networks with application to load balancing." In: *IEEE Transactions on Information Theory* 61.4 (Apr. 2015), pp. 1739–1752.
- [J15] A. Sgora, **D. J. Vergados**, and D. D. Vergados. "A survey of TDMA scheduling schemes in wireless multihop networks." In: *ACM Computing Surveys (CSUR)* 47.3 (Apr. 2015), pp. 1–39.
- [J16] I. Lykourantzou, **D. J. Vergados**, and Y. Naudet. "Improving wiki article quality through crowd coordination: A resource allocation approach." In: *IGI International Journal on Semantic Web and Information Systems (IJSWIS)* 9.3 (July 2013), pp. 105–125.
- [J17] **D. J. Vergados** and G. I. Stassinopoulos. "Adaptive duty cycle control for optimal stochastic energy harvesting." In: *Springer Wireless personal communications* 68.1 (Jan. 2013), pp. 201–212.
- [J18] **D. J. Vergados**, A. Sgora, D. D. Vergados, D. Vouyioukas, and I. Anagnostopoulos. "Fair TDMA scheduling in wireless multihop networks." In: *Springer Telecommunication Systems* 50.3 (July 2012), pp. 181–198.
- [J19] I. Lykourantzou, **D. J. Vergados**, and A. Napoli. "Collective intelligence-based resource allocation to optimise knowledge and innovation harnessing in corporate environments." In: *Inderscience International Journal of Organisational Design and Engineering* 3 2.2 (June 2012), pp. 167–188.
- [J20] **D. J. Vergados**, D. D. Vergados, and M. Koutsogiannaki. "Capacity optimization in TDMA ad-hoc networks." In: *Springer Wireless Personal Communications* 62.3 (Feb. 2012), pp. 687–713.
- [J21] I. Lykourantzou, **D. J. Vergados**, E. Kapetanios, and V. Loumos. "Collective Intelligence Systems: Classification and Modeling." In: *Academy Publisher Journal of emerging technologies in web intelligence* 3.3 (Dec. 2011).
- [J22] I. Lykourantzou, K. Papadaki, **D. J. Vergados**, D. Polemi, and V. Loumos. "CorpWiki: A self-regulating wiki to promote corporate collective intelligence through expert peer matching." In: *Elsevier Information Sciences* 180.1 (Jan. 2010), pp. 18–38.
- [J23] **D. J. Vergados**, D. D. Vergados, and C. Douligeris. "DPS: An architecture for VBR scheduling in IEEE 802.11 e HCCA networks with multiple access points." In: *Springer Mobile Networks and Applications* 14.6 (Dec. 2009), pp. 744–759.
- [J24] N. A. Pantazis, **D. J. Vergados**, D. D. Vergados, and C. Douligeris. "Energy efficiency in wireless sensor networks using sleep mode TDMA scheduling." In: *Elsevier Ad Hoc Networks* 7.2 (Mar. 2009), pp. 322–343.
- [J25] **D. J. Vergados**, N. A. Pantazis, and D. D. Vergados. "Energy-efficient route selection strategies for wireless sensor networks." In: *Springer Mobile Networks and Applications* 13.3 (Aug. 2008), pp. 285–296.
- [J26] D. D. Vergados, **D. J. Vergados**, C. Douligeris, and S. L. Tombros. "QoS-aware TDMA for end-to-end traffic scheduling in ad hoc networks." In: *IEEE Wireless Communications* 13.5 (Oct. 2006), pp. 68–74.

A.2. Publications in Book Chapters

- [B1] A. Chilwan, N. Amelina, Z. Mao, Y. Jiang, and **D. J. Vergados**. "Consensus Based Report-Back Protocol for Improving the Network Lifetime in Underwater Sensor Networks." In: *Advances in Communication Networking*. Ed. by Y. Kermarrec. Cham: Springer International Publishing, 2014, pp. 26–37. ISBN: 978-3-319-13488-8.

- [B2] A. Sgora, **D. J. Vergados**, and D. D. Vergados. "Efficient Fair TDMA Scheduling In Wireless Multi-Hop Networks." In: *Artificial Intelligence and Innovations 2007: from Theory to Applications*. Ed. by C. Boukis, A. Pnevmatikakis, and L. Polymenakos. Boston, MA: Springer US, 2007, pp. 279–286. ISBN: 978-0-387-74161-1.
- [B3] N. A. Pantazis, **D. J. Vergados**, and D. D. Vergados. "Increasing Intelligent Wireless Sensor Networks Survivability by Applying Energy-Efficient Schemes." In: *Artificial Intelligence Applications and Innovations*. Ed. by I. Maglogiannis, K. Karpouzis, and M. Bramer. Boston, MA: Springer US, 2006, pp. 657–664. ISBN: 978-0-387-34224-5.

A.3. Publications in International Scientific Conferences

- [C1] N. Efthymiopoulos, K. Steriotis, P. Makris, G. Tsaousoglou, K. Seklos, K. Smpoukis, M. Efthymiopoulou, **D. J. Vergados**, and E. Varvarigos. "Flexgrid - development and comparison of distribution network flexibility market architectures." In: *CIREED 2021*. Geneva, Switzerland: IET Digital Library, Sept. 2021.
- [C2] G. Gkagkas, **D. J. Vergados**, and A. Michalas. "The advantage of the 5G network for enhancing the Internet of Things." In: *2021 6th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference (SEEDA – CECNSM)*. IEEE. Preveza, Greece, Sept. 2021, pp. 1–7.
- [C3] E. Skondras, A. Michalas, **D. J. Vergados**, E. T. Michailidis, and N. I. Miridakis. "A Network Slicing Algorithm for 5G Vehicular Networks." In: *2021 12th International Conference on Information, Intelligence, Systems & Applications (IISA)*. IEEE. Chania, Crete, Greece, July 2021, pp. 1–7.
- [C4] P. Makris, **D. J. Vergados**, I. Mamounakis, G. Tsaousoglou, K. Steriotis, N. Efthymiopoulos, and E. Varvarigos. "A Novel Research Algorithms and Business Intelligence Tool for Progressive Utility's Portfolio Management in Retail Electricity Markets." In: *2019 IEEE PES Innovative Smart Grid Technologies Europe (ISGT-Europe)*. IEEE. Bucharest, Romania, Sept. 2019, pp. 1–5.
- [C5] **D. J. Vergados**, K. Kravlevska, A. Michalas, and D. D. Vergados. "Evaluation of HTTP/DASH adaptation algorithms on vehicular networks." In: *2018 Global Information Infrastructure and Networking Symposium (GIIS)*. IEEE. Thessaloniki, Greece, Oct. 2018, pp. 1–5.
- [C6] P. Makris, N. Efthymiopoulos, **D. J. Vergados**, E. Varvarigos, V. Nikolopoulos, J. Papiannidis, A. Pomazanskyi, B. Irmischer, K. Stefanov, K. Pancheva, et al. "SOCIALENERGY: a gaming and social network platform for evolving energy markets' operation and educating virtual energy communities." In: *2018 IEEE International Energy Conference (ENERGYCON)*. IEEE. Limassol, Cyprus, June 2018, pp. 1–6.
- [C7] I. Mamounakis, N. Efthymiopoulos, G. Tsaousoglou, **D. J. Vergados**, P. Makris, and E. Varvarigos. "A novel pricing scheme for virtual communities towards energy Efficiency." In: *2018 IEEE International Energy Conference (ENERGYCON)*. IEEE. Limassol, Cyprus, June 2018, pp. 1–6.
- [C8] K. Kravlevska, **D. J. Vergados**, Y. Jiang, and A. Michalas. "A load balancing algorithm for resource allocation in IEEE 802.15. 4e networks." In: *2018 IEEE International Conference on Pervasive Computing and Communications Workshops (PerCom Workshops)*. IEEE. Athens, Greece, Mar. 2018, pp. 675–680.
- [C9] I. Mamounakis, **D. J. Vergados**, P. Makris, and E. Varvarigos. "Communication costs versus smart grid system performance for energy prosumers' participation in liberalized electricity markets: A trade-off analysis." In: *2017 XXXIInd General Assembly and Scientific Symposium of the International Union of Radio Science (URSI GASS)*. IEEE. Montreal, Canada, Aug. 2017, pp. 1–4.

- [C10] I. Mamounakis, **D. J. Vergados**, P. Makris, E. Varvarigos, and N. D. Doulamis. "Renewable energy prosumers clustering towards target aggregated prosumption profiles based on recursive predictions." In: *12th IEEE Power and Energy Society PowerTech Conference (POWERTECH 2017)*. IEEE. Manchester, UK, June 2017, pp. 1–6.
- [C11] **D. J. Vergados**, N. Amelina, Y. Jiang, K. Kralevska, and O. Granichin. "Local voting: Optimal distributed node scheduling algorithm for multihop wireless networks." In: *2017 IEEE Conference on Computer Communications Workshops (INFOCOM WKSHPs)*. IEEE. Atlanta, GA, USA, May 2017, pp. 1014–1015.
- [C12] G. Sauba, J. Van Der Burgt, M. Varvarigos, P. Makris, I. Mamounakis, and **D. J. Vergados**. "VIMSEN—New energy management tool for RES aggregators." In: *2016 IEEE International Conference on Emerging Technologies and Innovative Business Practices for the Transformation of Societies (EmergiTech)*. IEEE. Mauritius, Aug. 2016, pp. 124–129.
- [C13] I. Mamounakis, **D. J. Vergados**, P. Makris, and E. Varvarigos. "A virtual microgrid aggregator platform for distributed and small-scale RES prosumers' management." In: *IEICE Information and Communication Technology Forum (ICTF)*. Patras, Greece, July 2016, pp. 6–8.
- [C14] I. Mamounakis, **D. J. Vergados**, P. Makris, E. Varvarigos, and T. Mavridis. "A virtual microgrid platform for the efficient orchestration of multiple energy prosumers." In: *Proceedings of the 19th Panhellenic Conference on Informatics*. Athens, Greece, Oct. 2015, pp. 191–196.
- [C15] **D. J. Vergados**, A. Michalas, A. Sgora, and D. D. Vergados. "A fuzzy controller for rate adaptation in MPEG-DASH clients." In: *2014 IEEE 25th Annual International Symposium on Personal, Indoor, and Mobile Radio Communication (PIMRC)*. IEEE. Washington DC, USA, Sept. 2014, pp. 2008–2012.
- [C16] **D. J. Vergados**, A. Michalas, A. Sgora, and D. D. Vergados. "A control-based algorithm for rate adaption in MPEG-DASH." In: *IISA 2014, The 5th International Conference on Information, Intelligence, Systems and Applications*. IEEE. Chania, Crete, Greece, July 2014, pp. 438–442.
- [C17] I. Lykourantzou, **D. J. Vergados**, K. Papadaki, and Y. Naudet. "Guided crowdsourcing for collective work coordination in corporate environments." In: *International Conference on Computational Collective Intelligence*. Springer, Berlin, Heidelberg. Craiova, Romania, Sept. 2013, pp. 90–99.
- [C18] I. Lykourantzou, W. Mtalaa, **D. J. Vergados**, and Y. Naudet. "Guiding wiki crowds through resource scheduling." In: *Proceedings of the 6th Multidisciplinary International Scheduling Conference: Theory and Applications, Ghent, Belgium*. Ghent, Belgium, Aug. 2013, pp. 27–30.
- [C19] **D. J. Vergados**, A. Sgora, A. Michalas, D. D. Vergados, J.-P. Laulajainen, and Y. Jiang. "A QoE-driven adaptation scheme for video content delivery in LTE networks." In: *ISWCS 2013; The Tenth International Symposium on Wireless Communication Systems*. VDE. Ilmenau, Germany, Aug. 2013, pp. 1–5.
- [C20] I. Lykourantzou and **D. J. Vergados**. "Optimizing Crowd Performance through Collective Intelligence-Based System Design: An Application on Social Network Information Diffusion." In: *2012 Seventh International Workshop on Semantic and Social Media Adaptation and Personalization*. IEEE. Dec. 2012, pp. 17–22.
- [C21] **D. J. Vergados**, A. Michalas, A. Sgora, and D. D. Vergados. "An adaptive video transmission algorithm to improve quality of experience over lte access networks." In: *2012 16th Panhellenic Conference on Informatics*. IEEE. Piraeus, Greece, Oct. 2012, pp. 240–244.

- [C22] K. Magklara, A. Sgora, D. D. Vergados, and **D. J. Vergados**. "QoE-Based Scheduling in WiMAX Networks." In: *Signal Processing and Multimedia Applications (SIGMAP)*. Rome, Italy, July 2012, pp. 369–373.
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