



### Academic Personnel Short Profile / Short CV

<b>University:</b>	Open University of Cyprus
<b>Surname:</b>	Goudos
<b>Name:</b>	Sotirios
<b>Rank:</b>	Module coordinator
<b>Faculty:</b>	Faculty of Pure and Applied Sciences
<b>Department:</b>	Computer and Network Security
<b>Scientific Domain: *</b>	Communication Networks

*\* Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title
PhD	2001	Aristotle University of Thessaloniki	Physics	Electromagnetic Compatibility and Interference of Communications Equipment
MIS	2005	University of Macedonia	MIS	Ontologies, Semantic Web and E-government Applications
MSc	1994	Aristotle University of Thessaloniki	Physics	Antenna Analysis and Design by using PCs
Diploma	2011	Aristotle University of Thessaloniki	Electrical and Computer Engineering	Design and Optimization of Microwave Structures and Antenna arrays using Differential Evolution
Bachelor	1991	Aristotle University of Thessaloniki	Physics	

Employment history – List by the three (3) most recent				
Period of employment		Employer	Location	Position
From	To			
2019	Present	Aristotle University of Thessaloniki	Thessaloniki	Associate Professor
2015	2019	Aristotle University of Thessaloniki	Thessaloniki	Assistant Professor
2013	2015	Aristotle University of Thessaloniki	Thessaloniki	Lecturer

Key <u>refereed</u> journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)						
Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2022	Towards Fairness-Aware Time-Sensitive Asynchronous Federated Learning for Critical Energy Infrastructure	Lu, J.; Liu, H.; Zhang, Z.; Wang, J.; <b><u>S.K. Goudos</u></b> and Wan, S	IEEE Transactions on Industrial Informatics	18	3462-3472
2	2022	Blockchain-empowered Decentralized Cross-domain Federated Learning for 5G-enabled UAVs	Feng, C.; Liu, B.; Yu, K.; <b><u>S.K. Goudos</u></b> and Wan, S.	IEEE Transactions on Industrial Informatics	18	3582-3592
3	2022	Drone-Base-Station for Next-Generation Internet-of-Things: A Comparison of Swarm Intelligence Approaches	Pliatsios, D.; <b><u>Goudos, S.</u></b> , K.; Lagkas, T.; Argyriou, V.; Boulogeorgos, A., A., A.; and Sarigiannidis	IEEE Open Journal of Antennas and Propagation	3	32-47
4	2022	From Spatial Urban Site Data to Path Loss Prediction: An Ensemble Learning Approach	Sotiroudīs, S., P.; Boursianis, A., D.; <b><u>Goudos, S., K.</u></b> ; and Siakavara, K.	IEEE Transactions on Antennas and Propagation	70	6101-6105
5	2022	The road to 6G: a comprehensive survey of	Iliadis, L., A.; Zaharis, Z., D.; Sotiroudīs, S.;	EURASIP Journal on Wireless	68	

		deep learning applications in cell-free massive MIMO communications systems	Sarigiannidis, P.; Karagiannidis, G., K.; and <b><u>Goudos, S., K.</u></b>	Communications and Networking		
6	2022	Scalable On-Chain and Off-Chain Blockchain for Sharing Economy in Large-Scale Wireless Networks	Cai, T.; Chen, W.; Psannis, K., E.; <b><u>Goudos, S., K.</u></b> ; Yu, Y.; Zheng, Z.; and Wan, S	IEEE Wireless Communications	29	32-38
7	2022	A Comprehensive Review on Artificial Intelligence/Machine Learning Algorithms for Empowering the Future IoT Toward 6G Era	Mahmood, M., R.; Matin, M., A.; Sarigiannidis, P.; and <b><u>Goudos, S., K.</u></b>	IEEE Access	10	87535-87562
8	2022	Internet of Things (IoT) and Agricultural Unmanned Aerial Vehicles (UAVs) in smart farming: A comprehensive review	Boursianis, A., D.; Papadopoulou, M., S.; Diamantoulakis, P.; Liopa-Tsakalidi, A.; Barouchas, P.; Salahas, G.; Karagiannidis, G.; Wan, S.; and <b><u>Goudos, S., K.</u></b>	Internet of Things	18	
9	2022	Modelling, Detecting and Mitigating Threats against Industrial Healthcare Systems: A combined SDN and Reinforcement Learning Approach	Radoglou-Grammatikis, P.; Robolos, K.; Sarigiannidis, P.; Argyriou, V.; Lagkas, T.; Sarigiannidis, A.; <b><u>Goudos, S., K.</u></b> ; and Wan, S.	IEEE Transactions on Industrial Informatics	18	2041-2052
10	2022	Guest Editorial: Antenna Systems for 5G and Beyond	Matin, M., A.; Sharawi, M., S.; <b><u>Goudos, S., K.</u></b> ; and Zhu, J	IEEE Communications Magazine	60	12-13

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	Date	Title	Funded by	Project Role*
1	2022	Ymnodos -Recognition and direct characterization of cultural items for the education and promotion of Byzantine Music using artificial intelligence	Region of Central Macedonia	<i>Scientific Coordinator</i>
2	2022	Smart Embryo Classification and characterization of fetal images for assisted reproduction using artificial intelligence and computer vision	Region of Central Macedonia	<i>Scientific Coordinator</i>
3	2022	Machine Learning Techniques in Wireless Communications	H.F.R.I.	<i>Scientific Coordinator</i>
4	2019	Design of radio frequency energy harvesting systems for mobile and wireless communication networks	Greek Secretariat of Research and Technology	<i>Scientific Coordinator</i>
5	2018	AREThOU5A Advancing Rational Exploitation of waTer for IrrigatiOn Using 5G-IoT cApabilities	Greek Secretariat of Research and Technology	<i>Scientific Coordinator</i>
6	2021	NexT GEneration SMart INterconnectEd IoT (TERMINET)	HORIZON 2020	<i>Research Team Member,</i>
7	2018	Smart sensor system for leakage detection in pipes carrying oil products in noisy environment	Greek Secretariat of Research and Technology	<i>Research Team Member,</i>
8	2015	Compact MOSFET pop-up models of multiple nanoscale gates and reliability simulation tools for analog and mixed signal circuit design	Greek Secretariat of Research and Technology	<i>Research Team Member,</i>

9	2014	Continuous change tool size of transistors for optimization of integrated circuits on a nano-scale.	Greek Secretariat of Research and Technology	<i>Research Team Member,</i>
10	2014	Development of digital courses, support of an institutional platform and other actions.	Greek Secretariat of Research and Technology	<i>Research Team Member,</i>

*\*Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*

Consulting Services and/or Participation in Councils / Boards/ Editorial Committees. List the five (5) more recent				
Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	2021-present	MDPI	Telecom, Founding Editor-in-Chief	Assigning an editorial board member and making a decision on the publication of scientific articles
2	2022-present	IEEE Transactions on Antennas and Propagation	Editorial Board member	Assigning reviewers and deciding on the publication of scientific articles
3	2021-present	IEEE Open Journal of the Communications Society (OJ-COMS)	Editorial Board member	Assigning reviewers and deciding on the publication of scientific articles
4	2019- present	IEEE Access	Editorial Board member	Assigning reviewers and deciding on the publication of scientific articles
5	2018-present	International Journal of Antennas and Propagation (Hindawi)	Editorial Board member	Assigning an editorial board member and making a decision on the publication of scientific articles

6	2023-present	IEEE Greece Section	Vice-Chair	
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**Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)**

Ref. Number	Date	Title	Awarded by:
1	2022	Outstanding Associate Editor	IEEE Access
2	2021	Outstanding Associate Editor	IEEE Access
3	2020	Outstanding Associate Editor	IEEE Access
4	2019	Outstanding Associate Editor	IEEE Access
5	2021	Best paper award	7th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference, (SEEDA-CECNSM)
6	2020	Best paper award	3 <sup>rd</sup> World Symposium on Communication Engineering (WSCE) 2020

**Other Achievements. List the five (5) more recent and other five (5) selected. (max total 10)**

Ref. Number	Date	Title	Key Activities:
1	2022	2 Papers in ISI ESI "Highly Cited Papers in Engineering"	
2	2022	2 Papers in ISI ESI "Highly Cited Papers in Computer Science"	
3	2023	1 Paper appeared in IEEE Top Accessed for IEEE Transactions on Industrial Informatics	
4	2021	1 Paper appeared in IEEE Top Accessed for IEEE Open Journal of Antennas and Propagation	
5	2019	1 Paper appeared in IEEE Top Accessed for IEEE Access and selected as feature article of the week	

6	2021	In Stanford University list, "Updated science-wide author databases of standardized citation indicators"	PLOS Biology to show the top 100,000 scientists & top 2% of scientists for every subfield.
7	2020	In Stanford University list, "Updated science-wide author databases of standardized citation indicators"	PLOS Biology to show the top 100,000 scientists & top 2% of scientists for every subfield.
8	2019	In Stanford University list, "Updated science-wide author databases of standardized citation indicators"	PLOS Biology to show the top 100,000 scientists & top 2% of scientists for every subfield.
9	2005	Scholarship of State Scholarships Foundation of Greece for ranked first	Master of Information Systems, University of Macedonia, Greece.