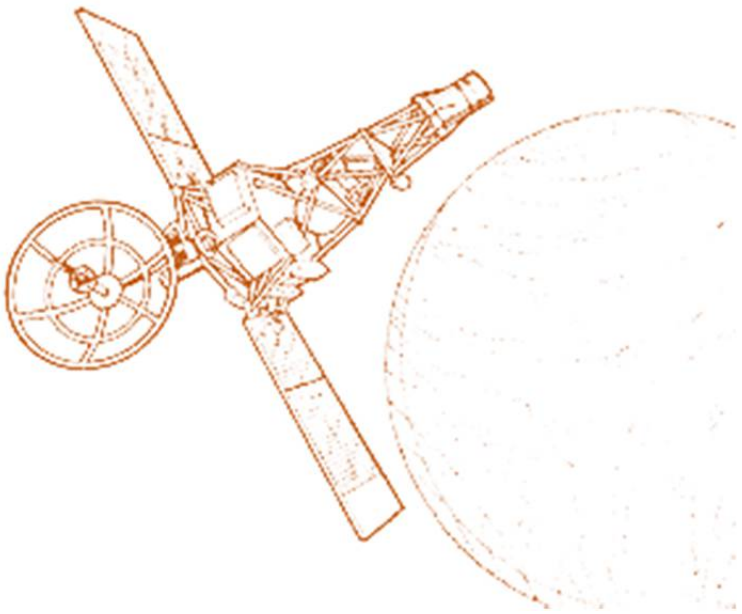
Curriculum Vitae

Dr. Nikos C. Sagias

Professor

University of Peloponnese



(*Last Updated: April 27, 2024*)

PROF. NIKOS C. SAGIAS, *BSc, MSc, PhD*

Nationality: Greek
Date of birth: Nov 1st, 1974
Status: Married-Two (2) children
Country of origin: Greece
Gender: Male

Address:	Akadimaikou G.K. Vlahou, Tripoli 22131, Greece
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PROFESSIONAL EXPERIENCE

2020-today	**University of Peloponnese** Department of Informatics and Telecommunications Professor Subject: *Digital Telecommunications*
2014-2019	**University of Peloponnese** Department of Informatics and Telecommunications Associate Professor Subject: *Digital Telecommunications*
2013-2014	**University of Peloponnese** Department of Informatics and Telecommunications[1] Assistant Professor with Tenure Subject: *Digital Telecommunications*
2009-2013	**University of Peloponnese** Department of Science and Technology of Telecommunications Assistant Professor Subject: *Digital Telecommunications*
2008-2009	**University of Peloponnese** Department of Science and Technology of Telecommunications Adjunct Lecturer

1 The department of Informatics and Telecommunications was established after merging the former departments of Science and Technology of Telecommunications and Science and Technology of Computers in 2013.

2006-2008	**National Centre of Scientific Research – "Demokritos"** Institute of Informatics and Telecommunications Postdoc Research Scholar
2000-2012	**National Observatory of Athens** Institute of Space Applications and Remote Sensing Senior Researcher

MAIN RESEARCH INTERESTS

- Wireless and mobile telecommunication systems
- Satellite communications
- Information theory
- Modulation and coding
- Signal processing for communications
- Software-defined radio
- Multiple input – multiple output (MIMO) systems
- Communications theory
- Statistical telecommunications
- Free-space optical links
- Multihop networks

DEGREES

2005	**Department of Physics / University of Athens** Doctor of Philosophy (PhD) *Telecommunications Engineering*
2001	**Department of Physics and Informatics & Telecomms / University of Athens** Interdepartmental Master of Science (MSc) *Electronics and Radioelectrology*
1998	**Department of Physics / University of Athens** Bachelor of Science (BSc)

RESEARCH AND DEVELOPMENT PROJECTS

Principal Investigator	× **2013-14** Optimal Design for Broadband Wireless Communication Systems with Real Imperfections (OdesRI) *ELKE, University of Peloponnese* × **2022-23** Panhellenic Conference on Electronics and Telecommunications (PACET) *ELKE, University of Peloponnese*
European Projects Participation	× **2012-16** ICT COST Action IC1104: Random Network Coding & Designs over GF(q) *European Union* × **2011-12** ESA Support to the SatNEx Network of Experts – SatNEx III *European Space Agency* × **2009** Enhanced Multicarrier OFDM Digital Transmission Techniques for Broadband Satellites *European Space Agency* × **2006-09** European Satellite Communications Network of Excellence (SatNEx II) *European Union, 6th framework research Network of Excellence* × **2004-06** European Satellite Communications Network of Excellence (SatNEx I) *European Union, 6th framework research Network of Excellence*

National (Greek) Project Participation	× **2021-23** Robotic system for functional restoration of hand extremity in neurological patients (REHABOTICS) *Research – Create – Innovate, Research, Technological Development and Innovation* × **2021-23** Strengthening and accelerating the processes of mergers and abolitions of institutions at the University of Peloponnese *ELKE, University of Peloponnese* × **2014-15** Wireless services over passive optical networks FTTx και radio-over-fiber *COOPERATION, Ministry of Education, Research and Religious Affairs* × **2014-15** Novel transmission and broadband wireless networks design techniques (EKTEINO) *THALIS, Ministry of Education, Research and Religious Affairs* × **2013-15** Adaptive technology in optical transmission (PROTOMI) *THALIS, Ministry of Education, Research and Religious Affairs* × **2013-14** Optical signal processing for fade mitigation in outdoor optical wireless systems (FA-MOOSE) *ELKE, Ministry of Education, Research and Religious Affairs* × **2004** Advanced vehicles telematics systems (PROSTO) *Ministry of Transportation and Communication* × **2001-02** Study for DAB digital radio services operation in Greece *Ministry of Transportation and Communication* × **2000-01** Study of wideband LEO/MEO satellite networks for multimedia mobile telecommunication systems *PENED, General Secretary of Research and Technology*

TEACHING EXPERIENCE

2017-2019 2020-today	**Hellenic Open University** Undergraduate Courses (School of Science and Technology) × Digital Systems × Design Logic × Computer Architecture × Microprocessors × Assembly × Analog Communications × Digital Communications × Signals and Systems × Computer Networks × Information Theory × Coding
2009-today	**University of Peloponnese** Department of Informatics and Telecommunications Undergraduate Courses × Digital Communications × Satellite Communications × Simulation of Telecom Systems × Information Theory and Coding × Digital Logic Design × Signals and Systems Postgraduate Courses × Digital Communications × Information Theory × Equalizers × Signal Processing for Communications
2007-2009	**University of Peloponnese** Adjunct, Department of Science and Technology of Telecommunications Undergraduate Courses × Communications II × Satellite Communications
2006-2007	**University of Athens** Department of Physics Postgraduate Courses × Mobile Communications

PHD SUPERVISOR

- Dr. P. Argyrakis, "Time-series processing techniques for satellite positioning systems," 2020-24.
- Dr. G. Karatza, "Mathematical methods for evaluating the performance of next-generation wireless networks with relays," 2015-20.
- Mr. M. Bozis, "Algorithms for communications based on software-defined radio devices," 2020-today
- Mr. M. Batistatis, "Next-generation telecommunication networks based on UAVs," 2021-today

ASSOCIATE EDITOR

2009-2014	IEEE Transactions on Wireless Communications
2008-2014	IETE Technical Review
2006-2010	AEÜ International Journal of Electronics & Communications (*Elsevier*)
2008-2009	Research Letters in Communications (*Hindawi*)
2009-2011	Journal of Electrical and Computer Engineering

REVIEWER

IEEE Transactions on Communications, IEEE Transactions on Information Theory, IEEE Transactions on Wireless Communications, IEEE Transactions on Vehicular Technology, IEEE Transactions on Circuits and Systems I, IEEE Transactions on Green Communications and Networking, IEEE Communications Letters, IEEE Wireless Communications Letters, IEEE Signal Processing Letters, Electronics Letters, IET Communications, AEÜ International Journal of Electronics and Communications, EURASIP Journal on Wireless Communications and Networking, EURASIP Journal on Advances in Signal Processing, KICS Journal of Communications and Networks, Wireless Personal Communications, Journal of the Franklin Institute

A verified review list can be found here: https://www.webofscience.com/wos/author/record/863752

SPECIAL ISSUES GUEST EDITOR

- S. K. Chronopoulos, V. Tritakis, V. Christofilakis, K. P. Peppas, **N. Sagias**, "Advanced Sensor Strategies and Developments Against Disasters and Random Phenomena," in *MDPI Sensors*, 2024. (ISSN 1424-8220)
- **Nikos C. Sagias**, Ioannis D. Moscholios, Costas Psychalinos, Recent Advances Towards 5G/6G Networks and Applications in *AEÜ - International Journal of Electronics and Communications*, 2023. (ISSN: 1434-8411)
- Costas Psychalinos, **Nikos C. Sagias**, Ioannis D. Moscholios, "Recent Advances on Design of Analog/Digital Circuits for Contemporary Applications" in *Journal of Low Power Electronics and Applications (JLPEA)*, 2023. (ISSN 2079-9268).
- Ioannis D. Moscholios, **Nikos C. Sagias**, Panagiotis G. Sarigiannidis, "Modelling and Optimization of 5G Communication Networks," in PACET 2019, Volos, Greece

TECHNICAL PROGRAM COMITEE

Organizing Committees

- PAnhellenic Conference on Electronics & Telecommunications (PACET '19, '22, '24)
- ICT: Bridging An Ever Shifting Digital Divide (FITCE '11)

Technical Program Committees

- IEEE International Conference on Communications (ICC'10, '11, '12, '13, '15, '18)
- IEEE Global Telecommunications Conference (GLOBECOM'07 '08 '17 '18 '19)
- IEEE International Symposium on Personal, Indoor & Mobile Radio Communications (PIMRC'09 '18 '19 '20)
- IEEE Vehicular Technology Conference (VTC'09F, '09S, '17S '17F '18S '18F '24F)
- IEEE Wireless Communication & Networking Conference (WCNC '13 '14 '15 '16 '18 '20)
- Green and Sustainable 5G Wireless Networks (GRASNET) Workshop, 2016
- International Conference on Connected Vehicles & Expo (2015)
- International Symposium on Wireless Pervasive Computing (ISWPC'11, '12)
- International Conference on Wireless Communications & Signal Processing (WCSP '12)
- Australasian Telecommunications Networks & Applications Conference (ATNAC '11, '12)
- International Workshop on Multiple Access Communication (MACOM'09 '15)
- International Conference on Advances in Computing, Communications & Informatics (ICACCI '16)
- IEEE International Conference on Signal Processing, Informatics, Communication and Energy Systems 2015 (IEEE SPICES 2015)
- Mosharaka International Conf. on Communications, Signals & Coding (MIC-CSC'08)

RESEARCH PROJECTS EVALUATOR

- National Research Fund Luxembourg: Project evaluation for CORE programme - S3, 2023
- 4th Call for HFRI Scholarships to PhD Candidates, Hellenic Foundation for Research and Innovation, 2022, Greece
- Basic Research Financing Action: Sub-action 2. Funding Projects in Leading-Edge Sectors – RRFQ: Basic Research Financing, Hellenic Foundation for Research and Innovation, 2023
- FNR Luxembourg AWARDS - Best PhD Thesis, 2022
- Two (2) textbooks, Greek Electronic Academic Books, Hellenic Academic Libraries Link, 2016
- Iraklitos II: 3 proposals – Greece, 2015
- Ministry of research & sciences – Serbian Democracy, 2012

DISTINGUISHES

- Constantly included in the worldwide top 2% of scientists with the highest impact in my research field[2].
- Best conference paper award:
  - In the IEEE Wireless Communications and Networking Conference (WCNC), Istanbul, Turkey, May 2014, for the article "SOA nonlinear amplification: A promising fade mitigation technique for optical wireless systems," by K. Yiannopoulos, N. C. Sagias, and A. C. Boucouvalas.
  - In the 3rd International Symposium on Communications, Control and Signal Processing (ISCCSP), Malta, March 2008 for the article "On the Weibull distribution with arbitrary correlation," coauthored by N. C. Sagias, P. T. Mathiopoulos, L. Merakos, and Z. G. Papadimitriou
- Best PhD thesis award, within the framework of *Ericsson Awards of Excellence*, by Ericsson Hellas, June 2005.
- Inclusion in *Who's Who in Science and Engineering*, 2006-2007.

PROFESSIONAL MEMBERSHIPS

- Institute of Electrical & Electronics Engineers:
  - 2011: Senior Member IEEE
  - 2005: Member IEEE
  - 2003: Student Member IEEE
- IEEE Communications Society (ComSoc)
- Greek Physicist Association

ADMINISTRATIVE EXPIRIENCE

2022-today	**University of Peloponnese** - Member of the Board of Directors **Department of Informatics and Telecommunications** - Member of steering committee of strategic plan - Member of steering committee of the undergraduate program - Director of the Digital Communications and Systems Lab

[2] Ioannidis, John P.A. (2023), "October 2023 data-update for "Updated science-wide author databases of standardized citation indicators"", Elsevier Data Repository, V6, https://doi.org/10.17632/btchxktzyw.6

2014-2016 and 2018-2020	**Department of Informatics and Telecommunications** × Department Chair, General Assembly and General Assembly of Special Synthesis × Member of steering committee of the postgraduate program studies "Advanced Telecommunication Systems and Networks" × Member of steering committee of the postgraduate program studies "Space Science Technology and Applications" × Member of steering committee of strategic plan × In charge for accreditation of the undergraduate program **School of Economy, Management and Informatics** × Member of the Deanery **University of Peloponnese** × Member of the Senate and of the Senate of Special Synthesis
2013-2014	**University of Peloponnese** Department of Informatics and Telecommunications × Member of the General Assembly and General Assembly of Special Synthesis × Representative for ERASMUS program × Member of the committee for open international public tender for the Students' Feeding Unit × Member of steering committee of the Program Studies

2009 – 2013	**University of Peloponnese** Department of Science and Technology of Telecommunications × Member of the General Assembly and General Assembly of Special Synthesis × Member of the election committee of the department head × Member substitute to the Council × Member of the Scholars Committee × Member of the Evaluation Committee of Adjunct Lecturers × Member of the committee for Traineeship × Representative for ERASMUS program × Member of the committee for open international public tender for the Students' Feeding Unit × Member of the selection committee

(CROSS)CITATIONS

Source	Citations	Crosscitations	*h*-index
SCOPUS (http://bit.ly/2XXZR39)	3083	2728	27
Google Scholar (http://bit.ly/2HBnV6a)	4217		31

Current status can be found here: https://telecom.uop.gr/sagias/publications/citations-overview

Reference Letters

Reference letters can be provided upon request by:

Prof. Athina Petropulu Electrical and Computer Engineering Department Rutgers, The State University of New Jersey 94 Brett Road, Piscataway, NJ 08854, USA athinap@rutgers.edu http://eceweb1.rutgers.edu/~cspl/ Tel: +1	**Prof. George Karagiannidis** Electrical and Computer Engineering Aristotle University of Thessaloniki Egnatia Str, Thessaloniki 54636 Greece geokarag@auth.gr http://geokarag.webpages.auth.gr/ Tel: +30
Prof. Mohamed-Slim Alouini King Abdullah University of Science and Technology Al-Khawarizmi Applied Math. Building Thuwal 23955-6900, Makkah Province Kingdom of Saudi Arabia slim.alouini@kaust.edu.sa https://cemse.kaust.edu.sa/ctl/people/person/mohamed-slim-alouini Tel: +966	**Prof. Athanasios Katsis** (*Rector of the University of Peloponnese*) Department of Social and Education Policy University of the Peloponnese Erithrou Stavrou 28 & Kariotaki 22131, Tripoli, Greece katsis@uop.gr https://www.uop.gr/en/rector Tel: +30-271-023-0009

PUBLISHED RESEARCH WORK

Publication list in SCOPUS: https://www.scopus.com/authid/detail.uri?authorId=6603001607

A) Journal Articles

2024

[J-70] K. Yiannopoulos and **N. C. Sagias**, "BEP evaluation of 5G LDPC codes in a pre-amplified optical PPM receiver," *Physical Communication*, vol. 62, pp. 102255, Feb. 2024.

2023

[J-71] K. D. Gazouleas, **N. C. Sagias**, M. Batistatos, and K. P. Peppas, "A new family of Nyquist pulses with improved performance," *IEEE Access*, vol. 11, pp. 144676-144695, 2023.

2022

[J-69] K. Yiannopoulos, **N. C. Sagias**, and A. C. Boucouvalas, "Error rates of arbitrary order optical wireless pulse-position modulation: An efficient approach," *Physical Communication*, vol. 53, Oct. 2022.

2021

[J-68] A. Moshou, P. Argyrakis, A. Konstantaras, A.-C. Daverona, and **N. C. Sagias**, "Characteristics of recent aftershocks sequences (2014, 2015, 2018) derived from new seismological and geodetic data on the Ionian Islands, Greece," *MDPI Data*, vol. 6, no. 2, Jan. 2021.

2020

[J-67] P. K. Argyrakis, A. Ganas, S. Valkaniotis, V. Tsioumas, **N. C. Sagias**, and B. Psiloglou, "Anthropogenically induced subsidence in Thessaly, central Greece: New evidence from GNSS data," *Natural Hazards*, Apr. 2020.

[J-66] K. Yiannopoulos, **N. C. Sagias**, A. C. Boucouvalas, "Average error probability of an optically pre-amplified pulse-position-modulation multichannel receiver under Malaga-*M* fading," *Applied Sciences*, vol. 10, no. 3, pp. 1141, Feb. 2020. (Special Issue: "Applications of Semiconductor Optical Amplifiers II")

2019

[J-65] K. Yiannopoulos, **N. C Sagias**, A. C. Boucouvalas, "On the photon counting error probability and its application in optical wireless communications," *Physical Communication*, vol. 36, Oct. 2019.

[J-64] G. P Karatza, K. P Peppas, **N. C Sagias**, G. V Tsoulos, "Unified ergodic capacity expressions for AF dual-hop systems with hardware impairments," *IEEE Wireless Communications Letters*, vol. 23, no. 6, pp. 1057-1060, June 2019.

[J-63] A. C. Boucouvalas, **N. C. Sagias**, and K. Yiannopoulos, "Accurate evaluation of the average probability of error of pulse position modulation in amplified optical wireless communications under turbulence," *Applied Sciences*, vol. 9, no. 4, pp. 749, Feb. 2019.

2018

[J-62] P. Koutsandrias, G. Tsoulos, G. Athanasiadou, D. Zarbouti, and **N. Sagias**, "Nanosatellites," *Pelopas*, vol. 2, no. 2, pp. 7-29, Dec. 2018.

[J-61] I. D. Moscholios, V. G. Vassilakis, **N. C. Sagias**, and M. D. Logothetis, "On channel sharing policies in LEO mobile satellite systems," *IEEE Transactions on Aerospace and Electronic Systems,* vol. 54, no. 4, pp. 1628-1640, Aug. 2018.

[J-60] G. P. Karatza, K. P. Peppas, and **N. C. Sagias**, "Multi-destination cooperative systems under co-channel interference," *IEEE Transactions on Vehicular Technology, 2018*, vol. 67, no. 9, pp. 8411-8421, Sept. 2018.

[J-59] I. D. Moscholios, V. G. Vassilakis, P. G. Sarigiannidis, **N. C. Sagias**, and M. D. Logothetis, "An analytical framework in LEO mobile satellite systems servicing batched Poisson traffic," *IET Communications*, vol. 12, no. 1, pp. 18-25, Jan. 2018.

[J-58] K. Yiannopoulos, **N. C. Sagias**, A. C. Boucouvalas, and K. Peppas, "Optimal combining for optical wireless systems with amplification: The χ^2 noise regime," *IEEE Photonics Technology Letters*, vol. 30, no. 1, pp. 119-122, Jan. 2018.

2017

[J-57] **N. C. Sagias** and R. K. Mallik, "On the statistics of the error propagation effect of binary differential phase-shift keying," *IEEE Wireless Communications Letters*, vol. 6, no. 6, pp. 718-721, Dec. 2017.

[J-56] K. Peppas, A. C. Boucouvalas, Z. Ghassemlooy, M.-A. Khalighi, K. Yiannopoulos, and **N. C. Sagias**, "Semiconductor optical amplifiers for underwater optical wireless communications," *IET Optoelectronics*, vol. 11, no. 1, pp. 15-19, Feb. 2017.

2016

[J-55] K. Peppas, **N. C. Sagias**, and A. Maras, "Physical layer security for multiple-antenna systems: A unified approach," *IEEE Transactions on Communications*, vol. 64, no. 1, pp. 314-328, Jan. 2016.

[J-54] **N. C. Sagias**, A. C. Boucouvalas, K. Yiannopoulos, M. Uysal, and Z. Ghassemlooy, "Optimal combiners in pre-amplified optical wireless systems under medium-to-strong atmospheric turbulence," *Image Processing & Communications*, vol. 21, no. 1, pp. 25-34, Jan. 2016.

2015

[J-53] K. Yiannopoulos, **N. C. Sagias**, and A. C. Boucouvalas, "Semiconductor optical amplifiers in negative-exponential fading: Regenerators and pre-amplifiers," *IET Optoelectronics*, vol. 9, no. 5, pp. 249-256, Oct. 2015.

[J-52] K. Yiannopoulos, **N. C. Sagias**, and A. C. Boucouvalas, "On the performance of semiconductor optical amplifier-assisted outdoor optical wireless links," *IEEE Journal on Selected Areas in Communications*, vol. 33, no. 9, pp. 1869-1876, Sept. 2015.

[J-51] **N. C. Sagias**, S. Papaharalabos, and P. T. Mathiopoulos, "Cooperative DVB-SH satellite broadcasting systems with rotated signal constellations," *China Communications*, vol. 12, no. 6, pp. 59-72, June 2015.

[J-50] N. D. Tselikas, E. A. Kosmatos, and **N. C. Sagias**, "Packet loss optimization applying handoff algorithms in high-mobility radio-over-fiber networks: A mathematical analysis," *The Mediterranean Journal of Computers and Networks*, vol. 11, no. 2, pp. 390-399, 2015.

2014

[J-49] **N. C. Sagias**, "On the ASEP of decode-and-forward dual-hop networks with pilot-symbol assisted *M*-PSK," *IEEE Transactions on Communications*, vol. 62, no. 2, pp. 510-521, February 2014.

2013

[J-48] K. Yiannopoulos, **N. C. Sagias**, and A. C. Boucouvalas, "Fade mitigation based on semiconductor optical amplifiers," *IEEE/OSA Journal of Lightwave Technology*, vol. 31, no. 23, pp. 3621-3630 December 2013.

2012

[J-47] C. K. Datsikas, K. P. Peppas, **N. C. Sagias**, and G. S. Tombras, "Serial relaying communications over generalized-gamma fading channels," *Wireless Communications and Mobile Computing*, vol, 12, no. 13, pp. 1191-1202, September 2012.

2011

[J-46] R. K. Mallik and **N. C. Sagias**, "Distribution of inner product of complex Gaussian random vectors and its applications," *IEEE Transactions on Communications*, vol. 59, no. 12, pp. 3353-3362, December 2011.

[J-45] K. P. Peppas, C. K. Datsikas, **N. C. Sagias**, and G. S. Tombras, "Dual-hop MIMO relay systems over spatially correlated Nakagami-*m* fading channels," *IET Communications*, vol. 5, no. 15, pp. 2106-2115, October 2011.

[J-44] P. S. Bithas, **N. C. Sagias**, and R. K. Mallik, "On the sum of Kappa stochastic variates and applications to equal-gain combining," *IEEE Transactions on Communications*, vol. 59, no. 9, pp. 2434-2442, September 2011.

[J-43] **N. C. Sagias**, F. I. Lazarakis, A. A. Alexandridis, K. P. Dangakis, and G. S. Tombras, "Higher order capacity statistics of diversity receivers," *Wireless Personal Communications*, vol. 56, no. 4, pp. 649-668, 2011.

2010

[J-42] P. S. Bithas, G. P. Efthymoglou, and **N. C. Sagias**, "Spectral efficiency of adaptive transmission and selection diversity on generalized fading channels," *IET Communications*, vol. 4, no. 17, pp. 2058-2064, Nov. 2010.

[J-41] C. K. Datsikas, K. P. Peppas, **N. C. Sagias**, and G. S. Tombras, "Serial free-space optical relaying communications over gamma-gamma atmospheric turbulence channels," *Wireless Journal of Optical Networking*, vol. 2, no. 8, pp. 576-586, 2010.

[J-40] **N. C. Sagias**, R. K. Mallik, G. S. Tombras, "Error rate performance of multilevel signals with coherent detection," *IEEE Transactions on Communications*, vol. 58, no. 8, pp. 2188-2192, August 2010.

[J-39] G. C. Alexandropoulos, **N. C. Sagias**, and P. T. Mathiopoulos, "Switch-and-examine diversity over arbitrary correlated Nakagami-*m* fading channels," *IEEE Transactions on Vehicular Technology*, vol. 59. no. 4, pp. 2080-2087, May 2010.

2009

[J-38] Z. G. Papadimitriou, P. T. Mathiopoulos, and **N. C. Sagias**, "The trivariate and quadrivariate Weibull fading distributions with arbitrary correlation and their applications to diversity reception," *IEEE Transactions on Communications*, vol. 57, no. 11, pp. 3230-3234, November 2009.

[J-37] D. Triantafyllopoulou, N. Passas, L. Merakos, **N. C. Sagias**, and P. T. Mathiopoulos, "E-CLEMA: A cross-layer design for improved quality of service in mobile WiMAX networks," *Wireless Communications and Mobile Computing*, vol. 9, no. 9, pp. 1274-1286, November 2009.

[J-36] P. S. Bithas, **N. C. Sagias**, and P. T. Mathiopoulos, "The bivariate generalized-K (K_G) distribution and its application to diversity receivers," *IEEE Transactions on Communications*, vol. 59, no. 9, September 2009.

[J-35] K. Peppas and **N. C. Sagias**, "A trivariate Nakagami-*m* distribution with arbitrary covariance matrix and applications to generalized selection diversity receivers," *IEEE Transactions on Communications*, vol. 59, no. 7, July 2009.

[J-34] G. C. Alexandropoulos, **N. C. Sagias**, F. I. Lazarakis, and K. Berberidis, "New results for the multivariate Nakagami-*m* fading model with arbitrary correlation matrix and applications," *IEEE Transactions on Wireless Communications*, vol. 8, no, 1, pp. 245-255, January 2009.

2008

[J-33] P. S. Bithas, **N. C. Sagias**, and T. A. Tsiftsis, "Performance analysis of dual-diversity receivers over correlated generalized Gamma fading channels," *IET Communications*, vol. 2, no. 1, pp. 174-178, January 2008.

[J-32] C. K. Datsikas, **N. C. Sagias**, F. I. Lazarakis, and G. S. Tombras, "Outage analysis of decode-and-forward relaying over Nakagami-*m* fading channels," *IEEE Signal Processing Letters*, vol. 15, pp. 41-44, 2008.

[J-31] P. S. Bithas, **N. C. Sagias**, P. T. Mathiopoulos, S. A. Kotsopoulos, and A. M. Maras, "On the correlated *K*-distribution with arbitrary fading parameters," *IEEE Signal Processing Letters*, vol. 15, pp. 541-544, 2008.

2007

[J-30] P. S. Bithas, **N. C. Sagias**, and P. T. Mathiopoulos, "GSC diversity receivers over generalized-Gamma fading channels," *IEEE Communications Letters*, vol. 11, no. 11, pp. 964-966, December 2007.

[J-29] **N. C. Sagias** and K. Peppas, "Error rate analysis of threshold-based hybrid selection/maximal-ratio diversity over correlated Nakagami-*m* fading channels," *IEEE Communications Letters*, vol. 11, no. 12, pp. 922-924, December 2007.

[J-28] **N. C. Sagias** and G. K. Karagiannidis, "Comments on "Average LCR and AFD for SC diversity over correlated Weibull fading channels,"" *Wireless Personal Communications*, vol. 43, no. 2, pp. 699-701, October 2007.

[J-27] G. C. Alexandropoulos, **N. C. Sagias**, and K. Berberidis, "On the multivariate Weibull fading model with arbitrary correlation matrix," *IEEE Antennas and Wireless Propagation Letters*, vol. 6, pp. 93-97, 2007.

[J-26] P. S. Bithas, **N. C. Sagias**, and P. T. Mathiopoulos, "Dual diversity over correlated Ricean fading channels," *Journal of Communications and Networks*, vol. 9, no. 1, pp. 67-74, March 2007.

[J-25] **N. C. Sagias** and G. S. Tombras, "On the cascaded Weibull fading channel model," *Journal of the Franklin Institute*, vol. 344, no. 1, pp. 1-11, January 2007.

[J-24] G. K. Karagiannidis, **N. C. Sagias**, and P. T. Mathiopoulos, "*N**Nakagami: A novel stochastic model for cascaded fading channels," *IEEE Transactions on Communications*, vol. 55, no. 8, pp. 1453-1458, August 2007.

[J-23] **N. C. Sagias**, "Closed-form analysis of equal-gain diversity in wireless radio networks," *IEEE Transactions on Vehicular Technology*, vol. 56, no. 1, pp. 173-182, January 2007.

2006

[J-22] **N. C. Sagias**, G. K. Karagiannidis, P. T. Mathiopoulos, and T. A. Tsiftsis, "On the performance analysis of equal-gain diversity receivers over generalized Gamma fading channels," *IEEE Transactions on Wireless Communications*, vol. 5, no. 10, pp. 2967-2975, October 2006.

[J-21] G. K. Karagiannidis, **N. C. Sagias**, and T. A. Tsiftsis, "Closed-form statistics for the sum of squared Nakagami-*m* variates and its applications," *IEEE Transactions on Communications*, vol. 54, no. 8, pp. 1353-1359, August 2006.

[J-20] P. S. Bithas, **N. C. Sagias**, P. T. Mathiopoulos, G. K. Karagiannidis, and A. A. Rontogiannis, "On the performance analysis of digital communications over generalized-*K* fading channels," *IEEE Communications Letters*, vol. 10, no. 5, pp. 353-355, May 2006.

[J-19] **N. C. Sagias**, "Capacity of dual-branch selection diversity receivers in correlative Weibull fading," *European Transactions on Telecommunications*, vol. 16, no. 1, pp. 37-43, January/February 2006.

2005

[J-18] P. S. Bithas, G. K. Karagiannidis, **N. C. Sagias**, P. T. Mathiopoulos, S. A. Kotsopoulos, and G. E. Corazza, "Performance analysis of a class of GSC receivers over non-identical Weibull fading channels," *IEEE Transactions on Vehicular Technology*, vol. 54, no. 6, pp. 1963-1970, December 2005.

[J-17] **N. C. Sagias**, D. A. Zogas, and G. K. Karagiannidis, "Selection diversity receivers over nonidentical Weibull fading channels," *IEEE Transactions on Vehicular Technology*, vol. 54, no. 6, pp. 2146-2151, December 2005.

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