

Europass Curriculum vitae

Personal information

Surname / First name **Nikolaou Symeon**

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Nationality Cypriot

Education

Dates Aug 2003 – Jul 2007
 Title of qualification awarded PhD in Electrical and Computer Engineering
 Name of awarding institution Georgia Institute of Technology, Atlanta, GA, USA
 Key features Design and implementation of compact reconfigurable antennas for UWB and WLAN applications

Dates Aug 2003 – Dec 2005
 Title of qualification awarded MSECE Masters in Electrical and Computer Engineering
 Name of awarding institution Georgia Institute of Technology, Atlanta, GA, USA
 Key features Design of smart antennas for WLAN applications using PIN diodes

Dates Sep 1998 – June 2003
 Title of qualification awarded BSECE Diploma in Electrical and Computer Engineering
 Name of awarding institution National Technical University of Athens, Athens, Greece
 Key features The programme comprehensively covered the foundations of electrical and computer engineering with emphasis in wireless communications.

Work experience

Dates January 2020 – Present
 Employer Name Frederick University
 Occupation or position(s) held **Associate Professor** of Electrical Engineering Dept.
 Main activities and responsibilities Teaching, research, students' registration and academic advising

Dates May 2015 – December 2019
 Employer Name Frederick University
 Occupation or position(s) held **Assistant Professor** of Electrical Engineering Dept.
 Main activities and responsibilities Teaching, research, students' registration and academic advising

Dates September 2007 – April 2015
 Employer Name Frederick University Cyprus
 Occupation or position(s) held **Lecturer** of Electrical Engineering Dept.
 Main activities and responsibilities Teaching, research, students' registration and academic advising

Academic Profile

Awards **2019 Best paper award** on communication systems in 8th International Conference on Modern Circuits and Systems Technologies (MOCAS), Thessaloniki
2018 Best Paper Award from IEEE ComSoc Green Communications & Computing Technical Committee
Fulbright Traditional Scholarship for Masters studies 2003-2005
Honorary scholarship from Greece State Scholarship Foundation during undergraduate studies 1998-2003 for ranked first in the national (Cyprus) university placement exams
Graduated from ECE NTUA with Highest Honours 9.0/10.0
Ranked 1st out of 8000 candidates in the 1996 national exams for university access
3rd Prize in the Pancyprian Olympiad in Physics 1996

Professional Contribution

Associate Editor

Associate Editor of IET Microwaves Antennas and Propagation
Associate Editor of International Journal of Antennas and Propagation

Reviewer

Reviewer of IEEE Transactions on Antennas and Propagation
Reviewer of IEEE Transactions on Advanced Packaging
Reviewer of IEEE Antennas and Wireless Propagation Letters
Reviewer of IET Microwaves Antennas and Propagation
Reviewer of IET Letters

TPC Member

EuCAP (European Conference on Antennas and Propagation) Technical Program Committee Member since 2009
IEEE AP-S (Antennas and Propagation Society) Technical Program Committee 2010-2012
MOCAS (International Conference on Modern Circuits and Systems Technologies) TPC Member since 2016
ISMICT (International Symposium on Medical Information and Communication Technology) TPC Member since 2018

COST MCM

Cyprus' Delegate in Management Committee of COST IC0603 (ASSIST Antennas Systems & Sensors for Information Society Technology) Action
Cyprus' Substitute Delegate in Management Committee of IC1102 - Versatile, Integrated, and Signal-aware Technologies for Antennas (VISTA)
Cyprus' substitute Delegate in Management Committee of COST IC1301 – Wireless Power Transmission for Sustainable Electronics (WIPE)
Cyprus' Delegate in Management Committee of COST TD1301 (MiMed Accelerating the Technological, Clinical and Commercialisation Progress in the Area of Medical Microwave Imaging)

Service to the Institute

Elected Member of the School of Engineering Council 2016-2018

On-going Research Projects

Advanced RF Electronics Centre for Adaptive Metamaterials – **RF-META**
Program: NEW STRATEGIC INFRASTRUCTURE UNITS - YOUNG SCIENTISTS
Role: Co- Principal Investigator
Duration: March 2019 – February 2023
Budget: 1 000 000

Robotically Controlled RADAR Inspired WiReless Charging for/from Flying UAV PlatformS - **ICARUS**.
Program: RPF, HUBS of EXCELLENCE
Role: Project Coordinator
Duration: March 2020 – February 2022
Budget: 250 000

Completed Research Projects

NanoInformatics Approaches for Safe-by-Design NanoMaterials - **CompSafeNano**
Program: Marie Skłodowska-Curie Actions (MSCA)
RESEARCH AND INNOVATION STAFF EXCHANGE (RISE) H2020-MSCA-RISE-2020
Role: Frederick University Coordinator
Duration: September 2021 – August 2025
Budget: 2 093 000 (FredU budget 150 000)

Drone Early warning & jamming system – **DroneEyE**
Program: ATHENA Ministry of Defense
Role: Frederick University Coordinator
Duration: June 2021 – May 2024
Budget: 500 000

Flying RFID Reader for Enhanced Range and Near Zero Shadowing – **RFLiD**
Program: Pre-Seed (Call for Startups)
Role: FRC coordinator
Duration: December 2020 – May 2022
Budget: 110 000

Simultaneous Wireless Information & energy Transfer for low-powered Communication technologies - **SWITCH**.
Program: RPF, HUBS of EXCELLENCE
Role: Project Coordinator
Duration: December 2018- November 2021

Design and implementation of reconfigurable passive modules for next generation cognitive radios.
Program: RPF, PENEK-SUPPORT
Role: Project Coordinator
Duration: August 2009- July 2012
Budget: 90 000

Design and implementation of RFID modules on low-cost paper for next generation ad-hoc networks
Program: RPF, PENEK-SUPPORT
Role Project Coordinator
Duration: August 2009 – November 2011
Budget: 80 500

Doctoral Thesis

Design and Implementation of Compact Reconfigurable Antennas for UWB and WLAN Applications, Georgia Institute of Technology, Atlanta, GA, USA, 2007

Publications

Book Chapters

- B2. A. Quddious, M. A. Antoniadou, P. Vryonides, and **S. Nikolaou**, "Voltage-Doubler RF-to-DC Rectifiers for Ambient RF Energy Harvesting and Wireless Power Transfer Systems", in *Recent Wireless Power Transfer Technologies* edited by Pedro Pinho, IntechOpen, 2019.
- B1. **S. Nikolaou** and A. Quddious "Antennas for UWB Applications" in *UWB Technology - Circuits and Systems* edited by Dr. Mohamed Kheir, IntechOpen, 2019.

Journal Papers

- J37 T. Tamoor, N. Shoaib, F. Ahmed, T. Hassan, A. Quddious, **S. Nikolaou**, A. Alomainy, M. A. Imran and Q.H. Abbasi, "A Multifunctional Ultrathin Flexible Bianisotropic Metasurface with Miniaturized Cell Size", accepted with revisions to Scientific Reports - Nature, 2021.
- J36 P. Vryonides, S. Arain, A. Quddious, and **S. Nikolaou**, "A New Class of High-Selectivity Bandpass Filters with Stationary and Extremely High Bandwidth Tuning Ratio", Accepted with revisions in IEEE Transactions on Circuits and Systems II: Express Briefs.
- J35 S. Arain, P. Vryonides, K. Nisar, A. Quddious, and **S. Nikolaou**, "Novel Selective Feeding Scheme Integrated With SPDT Switches for a Reconfigurable Bandpass-to-Bandstop Filter," IEEE Access, vol. 9, pp. 25233-25244, 2021.
- J34 S. M. Q. A. Shah, N. Shoaib, F. Ahmed, A. Alomainy, A. Quddious, **S. Nikolaou**, M. A. Imran, and Q. H. Abbasi, "A multiband circular polarization selective metasurface for microwave applications," Scientific Reports-Nature, vol. 11, no. 1, pp. 1-10, 2021.
- J33 M. S. Sadiq, C. Ruan, H. Nawaz, M. Abbasi, and **S. Nikolaou**, "Mutual Coupling Reduction between Finite Spaced Planar Antenna Elements Using Modified Ground Structure," Electronics, vol. 10, no. 1, pp. 19, 2021.
- J32 A. Quddious, S. Zahid, F. A. Tahir, M. A. Antoniadis, P. Vryonides and **S. Nikolaou**, "Dual-Band Compact Rectenna for UHF and ISM Wireless Power Transfer Systems," in IEEE Transactions on Antennas and Propagation, vol. 69, no. 4, pp. 2392-2397, April 2021.
- J31 A. Quddious, M. A. B. Abbasi, M. A. Antoniadis, P. Vryonides, V. Fusco and **S. Nikolaou**, "Dynamically Reconfigurable UWB Antenna Using an FET Switch Powered by Wireless RF Harvested Energy," in IEEE Transactions on Antennas and Propagation, vol. 68, no. 8, pp. 5872-5881, Aug. 2020.
- J30 S. Arain, A. Quddious, **S. Nikolaou**, and P. Vryonides, "Demonstration of Reconfigurable BPFs with Wide Tuning Bandwidth Range Using $3\lambda/4$ Open-and $\lambda/2$ Short-Ended Stubs," Technologies, vol. 8, no. 1, pp. 14, 2020.
- J29 S. Ilyas, N. Shoaib, **S. Nikolaou** and H. M. Cheema, "A Wideband Tunable Power Divider for SWIPT Systems," in IEEE Access, vol. 8, pp. 30675-30681, 2020
- J28 S. Arain, P. Vryonides, A. Quddious and **S. Nikolaou**, "Reconfigurable BPF with Constant Center Frequency and Wide Tuning Range of Bandwidth," in IEEE Transactions on Circuits and Systems II: Express Briefs, vol. 67, no. 8, pp. 1374-1378, Aug. 2020
- J27 A. Quddious, M. A. B. Abbasi, F. A. Tahir, M. A. Antoniadis, P. Vryonides, and **S. Nikolaou**, "UWB antenna with dynamically reconfigurable notch band using rectenna and active booster," IET Microwaves, Antennas & Propagation, vol. 13, no. 12, pp. 2046-2052, 2019.
- J26 S. Kim, A. Rida, V. Lakafosis, **S. Nikolaou**, and M. M. Tentzeris, "77-GHz mmWave antenna array on liquid crystal polymer for automotive radar and RF front-end module," ETRI Journal, vol. 41, no. 2, pp. 262-269, 2019.
- J25 M. S. Anwar, **S. Nikolaou**, H. Nawaz, and M. A. B. Abbasi, "Synthesis of X-band trisection bandpass filters using hybrid structures of $\lambda/4$ and $\lambda/2$ resonators," Microwave and Optical Technology Letters, vol. 61, no. 6, pp. 1461-1467, 2019.
- J24 A. Quddious, M.A.B. Abbasi, A.Saghir, S.Arain, M. A. Antoniadis, A.Polycarpou, P.Vryonides, and **S. Nikolaou**, "Dynamically Reconfigurable SIR Filter using Rectenna and Active Booster in IEEE Transactions on Microwave Theory and Techniques, vol. 67, no. 4, pp. 1504-1515, Apr. 2019
- J23 M.S. Anwar, **S. Nikolaou**, H. Nawaz, and M. A. B. Abbasi. "Synthesis of X-band trisection bandpass filters using hybrid structures of $\lambda/4$ and $\lambda/2$ resonators." Microwave and Optical Technology Letters vol 61, no. 6, pp: 1461-1467, Mar. 2019
- J22 S. Kim, A. Rida, V. Lakafosis, **S. Nikolaou**, and M.M. Tentzeris. "77-GHz mmWave antenna array on liquid crystal polymer for automotive radar and RF front-end module."

- J21 A. Saghir, Quddious, S. Arain, P. Vryonides, and **S. Nikolaou**, "Single-/Dual- BPF Using Coupled-Line Stepped Impedance Resonators (CLSIR)" in IEEE Transactions on Circuits and Systems II: Express Briefs, Dec. 2018. (Early Access)
- J20 M. A. B. Abbasi, M. A. Antoniadis, and **S. Nikolaou**, "A compact microstrip crossover using NRI-TL metamaterial lines," Microwave and Optical Technology Letters, vol. 60, no. 11, pp. 2839-2843, Oct. 2018.
- J19 A. Quddious, M. A. B. Abbasi, M. H. Tariq, M. A. Antoniadis, P. Vryonides, and **S. Nikolaou**, "On the Use of Tunable Power Splitter for Simultaneous Wireless Information and Power Transfer Receivers," International Journal of Antennas and Propagation, vol. 2018, p. 12. Apr. 2018
- J18 M. A. B. Abbasi, M. A. Antoniadis and **S. Nikolaou**, "A Compact Reconfigurable NRI-TL Metamaterial Phase Shifter for Antenna Applications," in IEEE Transactions on Antennas and Propagation, vol. 66, no. 2, pp. 1025-1030, Feb. 2018.
- J17 S. Arain, P. Vryonides, M. A. B. Abbasi, A. Quddious, M. A. Antoniadis and **S. Nikolaou**, "Reconfigurable Bandwidth Bandpass Filter With Enhanced Out-of-Band Rejection Using π -Section-Loaded Ring Resonator," in IEEE Microwave and Wireless Components Letters, vol. 28, no. 1, pp. 28-30, Jan. 2018
- J16 S. Arain, P. Vryonides, M. Ali Babar Abbasi, A. Quddious, Marco A. Antoniadis and **S. Nikolaou**, "Wideband BPF Using Quadruple-Mode Ring Resonator Loaded with Short-Circuited Stubs and Γ - Shaped Band-Stop Sections", Vol. 59, Issue 9, pp, 2316-2320, Wiley Microwave and Optical Technology Letters (MOTL), Sep. 2017
- J15 **S. Nikolaou** and M. Ali Babar Abbasi, "Design and Development of a Compact UWB Monopole Antenna with Easily-Controllable Return Loss" IEEE Transactions on Antennas and Propagation Vol. 65, Iss. 4, pp. 2063 - 2067, April 2017
- J14 M. Ali Babar Abbasi, **S. Nikolaou**, Marco Antoniadis, M. N. Stevanovic, P. Vryonides, "Compact EBG-Backed Planar Monopole for BAN Wearable Applications," IEEE Transactions on Antennas and Propagation, Vol.65, Iss. 2, pp.1 - 11, Feb. 2017
- J13 **S. Nikolaou** and M. Ali Babar Abbasi, "Miniaturization of UWB Antennas on Organic Material," International Journal of Antennas and Propagation (IJAP), vol. 16, 2016.
- J12 P. Vryonides, **S. Nikolaou**, S. Kim, M.M. Tentzeris, "Reconfigurable dual-mode band-pass filter with switchable bandwidth using PIN diodes", International Journal of Microwave and Wireless Technologies, Cambridge Journals, 7(6), 655-660, Dec. 2015
- J11 J. Krikidis, S. Timotheou, **S. Nikolaou**, G. Zheng, D. W. Kwan Ng, and R. Schober "Simultaneous Wireless Information and Power Transfer in Modern Communication Systems", IEEE Communications Magazine, vol. 52, Iss. 11, Nov. 2014 (**2018 Best Paper Award** from IEEE ComSoc Green Communications & Computing Technical Committee)
- J10 S. Kim, Y.-J. Ren, H. Lee, A. Rida, **S. Nikolaou**, M.M. Tentzeris, "Monopole Antenna With Inkjet-Printed EBG Array on Paper Substrate for Wearable Applications", IEEE Antennas and Wireless Propagation Letters, vol.11, pp.663-666, 2012
- J9 A. Rida, A. Margomeno, J.S. Lee, P. Schmalenberg, **S. Nikolaou**, and M.M. Tentzeris, "Integrated Wideband 2-D and 3-D Transitions for Millimeter-Wave RF Front-Ends", IEEE Antennas and Wireless Propagation Letters, Vol.9, pp.1080-1083, November 2010
- J8 V. Lakafosis, A. Rida, R. Vyas, Li Yang, **S. Nikolaou**, and M.M. Tentzeris, "Progress Towards the First Wireless Sensor Networks Consisting of Inkjet-Printed, Paper-Based RFID-Enabled Sensor Tags" Proceedings of the IEEE, Vol.98, Iss. 9, pp. 1601-1609, September 2010
- J7 A. Rida, Li Yang, S. Basat, A. Ferrer-Vidal, **S. Nikolaou**, and M.M. Tentzeris, "Design, Development and Integration of Novel Antennas for Miniaturized UHF RFID Tags" IEEE Transactions on Antennas and Propagation, Vol.57, Issue 11, pp.3450 - 3457, November

- J6 **S. Nikolaou**, N. Kingsley, G. E. Ponchak, M. M. Tentzeris, and J. Papapolymerou, "UWB Elliptical Monopoles with a Reconfigurable Band Notch using MEMS Switches Actuated Without Bias Lines", IEEE Transactions on Antennas and Propagation, Vol. 57, Issue 8, pp. 2242-2251, August 2009.
- J5 Kim, B. Pan, **S. Nikolaou**, Y.S. Kim, J. Papapolymerou, M. M. Tentzeris, "A Novel Single-feed Circular Microstrip Antenna with Reconfigurable Polarization Capability" IEEE Transactions on Antennas and Propagation, Vol.56, Issue 3, pp.1663-1669 March 2008
- J4 G. R. DeJean, T. T. Thai, **S. Nikolaou**, and M. M. Tentzeris, "Design and Analysis of Microstrip bi-Yagi and Microstrip quad-Yagi Array Antennas for WLAN Applications", IEEE Antennas and Wireless Propagation Letters, Vol. 6, pp. 244-248, June 2007
- J3 **S. Nikolaou**, G.E. Ponchak, J. Papapolymerou, and M. M. Tentzeris, "Conformal Double Exponentially Tapered Slot Antenna (DETTSA) on LCP for UWB Applications", IEEE Transactions on Antennas and Propagation, Vol.54, No.6, pp.1663-1669 June 2006
- J2 **S. Nikolaou**, R. Bairavasubramanian, C. Lugo Jr., I. Carrasquillo, D.C. Thompson, G.E. Ponchak, J. Papapolymerou, and M. M. Tentzeris, "Pattern and Frequency Reconfigurable Annular Slot Antenna using PIN Diodes", IEEE Transactions on Antennas and Propagation, Vol.54, No.2, pp. 439-448, February 2006
- J1 J.-H. Lee, B. G. Perumana, **S. Nikolaou**, Y. Park, R. Mukhopadhyay, C.-H.Lee, K. Lim, J. Laskar and M. M. Tentzeris, "Advanced Integrated RF Front-End Solutions for Low-Power and UWB Wireless Systems," European Microwave Association Magazine, Vol.1, No.4, pp.272-280, December 2005.

Conference Papers

- C77 D.Chatzychristodoulou, S.Arain, C.Pavlou, L. Vassiliou, D.Psychogiou, **S.Nikolaou**, P.Vryonides, "Spatiotemporal Modulated Three-Pole Non-Reciprocal Quasi-Elliptic Bandpass Filter" Submitted to 2021 51st European Microwave Conference (EuMC), London, UK..
- C76 M.Shirazi, D.Chatzychristodoulou, A.Quddious, N. Shoaib, D.Psychogiou, **S.Nikolaou**, P.Vryonides, "Non-Reciprocal Bandpass Filter with Tunable Center Frequency and Constant Fractional Bandwidth" submitted Invited Paper to 2021 International Microwave Filter Workshop (IMFW), Perugia, Italy.
- C75 S. Agarwal, D. Chatzychristodoulou, A. Quddious, D. Masotti, **S. Nikolaou**, and A. Costanzo, "A Hybrid RFID/Localization Antenna with HIS and 3D-Printed Inclusions", accepted to 2021 IEEE International Symposium on Antennas and Propagation and North American Radio Science Meeting, Singapore, December 2021.
- C74 A.Saghir, D.Chatzychristodoulou, A.Quddious, **S.Nikolaou** and P. Vryonides, "High-Selectivity Single- and Dual-Band BPF Using a Cross Shaped Coupled-Line Resonator", 2021 10th International Conference on Modern Circuits and Systems Technologies (MOCASST), Thessaloniki, July 2021
- C73 H. Kiani, A. Quddious, N. Shoaib, P. Vryonides and **S. Nikolaou**, "A Multi-functional Polarization Reconfigurable Metasurface for C-band Applications", accepted to 2021 IEEE International Symposium on Antennas and Propagation and North American Radio Science Meeting, Singapore, December 2021.
- C72 D. Chatzychristodoulou, A. Quddious, P. Vryonides and **S. Nikolaou**, "Wireless Charging of Ground-based Sensors from a UAV-carried Transmitter", accepted to 2021 IEEE International Symposium on Antennas and Propagation and North American Radio Science Meeting, Singapore, December 2021.
- C71 A. Nadeem, D. Chatzychristodoulou, C. Laokimidis, P. Vryonides, N. Shoaib and **S. Nikolaou**, "Reconfigurable Beamforming Array for Far Field Wireless Power Transfer Applications", accepted to 2021 IEEE International Symposium on Antennas and Propagation and North American Radio Science Meeting, Singapore, December 2021.

- C70 A. Nadeem, D. Chatzichristodoulou, L. Vassiliou, N. Shoaib, P. Vryonides and **S. Nikolaou**, "Van Atta Arrays Exploited Towards Flying UAV Position Detection", accepted to 2021 IEEE International Symposium on Antennas and Propagation and North American Radio Science Meeting, Singapore, December 2021.
- C69 S. Bibi, N. Shoaib, A. Quddious and **S. Nikolaou**, "A Wide-Band Metasurface for Asymmetric Microwave Transmission with Circular Polarization Conversion for Satellite Communications", accepted to 2021 IEEE International Symposium on Antennas and Propagation and North American Radio Science Meeting, Singapore, December 2021.
- C68 S. Muhammad, Qasim Ali Shah, F. Ahmed, N. Shoaib, A. Quddious, **S. Nikolaou** and Q. H. Abbasi, "An Angularly Stable Anisotropic Metasurface for Polarization Conversion Applications," 2021 15th European Conference on Antennas and Propagation (EuCAP), 2021, pp. 1-4.
- C67 D. Chatzichristodoulou, A. Quddious, L. Vassiliou, N. Shoaib, P. Vryonides and **S. Nikolaou**, "Additive Manufacturing Techniques for 5G IoT Antennas and Sensors," 2021 15th European Conference on Antennas and Propagation (EuCAP), 2021, pp. 1-5.
- C66 P. Vryonides, S. Arain, A. Quddious and **S. Nikolaou**, "Open-/Short- Circuited Coupled-Line Structures for the Design of High-Selectivity Bandpass Filter," 2020 50th European Microwave Conference (EuMC), 2021, pp. 128-131.
- C65 P. Kontou, S. Ben Smida, S. Nektarios Daskalakis, **S. Nikolaou**, M. Dragone and D. E. Anagnostou, "Heartbeat and Respiration Detection Using a Low Complexity CW Radar System," 2020 50th European Microwave Conference (EuMC), 2021, pp. 929-932.
- C64 Quddious, K. Neophytou, M. A. Antoniadis, P. Vryonides and **S. Nikolaou**, "Ultra Compact Implantable ISM Rectenna with 3-D Printed Biocompatible Packaging Considerations," 2020 IEEE International Symposium on Antennas and Propagation and North American Radio Science Meeting, 2020, pp. 1427-1428.
- C63 S. Zahid, F. A. Tahir, A. Quddious, P. Vryonides and **S. Nikolaou**, "Single Module UHF & ISM Rectennas for MIMO Energy Harvesting or SWIPT Systems," 2020 IEEE International Symposium on Antennas and Propagation and North American Radio Science Meeting, 2020, pp. 1463-1464.
- C62 D. Chatzichristodoulou, S. Pericleous, L. Vassiliou, A. Quddious, P. Vryonides and **S. Nikolaou**, "3-D printed Helical Antenna for UAV Transmission Signal Direction of Arrival (DoA) Detection," 2020 IEEE International Symposium on Antennas and Propagation and North American Radio Science Meeting, 2020, pp. 1383-1384.
- C61 P. Kontou, S. B. Smida, M. Dragone, **S. Nikolaou** and D. E. Anagnostou, "CW Radar Based System with Automated DC Offset Reduction for Heartbeat Detection," 2020 IEEE USNC-CNC-URSI North American Radio Science Meeting (Joint with AP-S Symposium), 2020, pp. 73-74.
- C60 Quddious, P. Vryonides, **S. Nikolaou**, M. A. Antoniadis and M. A. B. Abbasi, "Through-body Communication Measurements Using Wearable and Implantable Sensor Antennas," 2019 Antennas Design and Measurement International Conference (ADMInC), 2019, pp. 53-57.
- C59 A. Quddious, P. Vryonides, Marco A. Antoniadis and **S. Nikolaou**, "Uniplanar Rectenna Designs Matched with either Active or Passive DC-to-DC Converter", in 2019 IEEE International Symposium on Antennas and Propagation & USNC/URSI National Radio Science Meeting, Atlanta, GA, USA, 2019.
- C58 A. Saghir, S. Arain, A. Quddious, P. Vryonides and **S. Nikolaou**, " Wideband BPF for 5G mm-wave Applications with Detailed Extraction of Poles and Zeros", in 2019 IEEE International Symposium on Antennas and Propagation & USNC/URSI National Radio Science Meeting, Atlanta, GA, USA, 2019.
- C57 S. Arain, A. Quddious, A. Saghir, **S. Nikolaou** and P. Vryonides, " Reconfigurable BPF with Wide Tuning Bandwidth Range Using Open- and Short-ended Stubs", in 2019 8th International Conference on Modern Circuits and Systems Technologies (MOCASST),

- C56 S. Zahid, A. Quddious, Farooq A. Tahir, Marco A. Antoniadis, P. Vryonides and **S. Nikolaou**, "Dual-Band Compact Antenna for UHF and ISM WPT systems" in 2019 13th European Conference on Antennas and Propagation (EuCAP), Krakow, 2019.
- C55 S. Arain, A. Quddious, Marco A. Antoniadis, P. Vryonides, and **S. Nikolaou**, "A Novel S-Band Bandpass Filter with Extremely Broad Stopband", in 2018 48th European Microwave Conference (EuMC), Madrid, pp. 954-957, 2018.
- C54 A. Quddious, M. Ali Babar Abbasi, Marco A. Antonides, P. Vryonides and **S. Nikolaou** "Reconfigurable Notch-Band UWB Antenna with RF-to-DC Rectifier for Dynamic Reconfigurability", in 2018 IEEE AP-S Symposium on Antennas and Propagation and USNC-URSI, Boston MA, 2018.
- C53 M. Ali Babar Abbasi, A. Quddious, Marco A. Antonides, P. Vryonides and **S. Nikolaou**, "Wearable sensor for communication with implantable devices", in 12th European Conference on Antennas and Propagation (EUCAP), London, 2018.
- C52 Marco Antoniadis, M. Ali Babar Abbasi, **S. Nikolaou**, M. N. Stevanovic, P. Vryonides, "Conformal Wearable Monopole Antenna Backed by a Compact EBG Structure for Body Area Networks," 2017 11th European Conference on Antennas and Propagation (EUCAP), Paris, 2017, pp. 164-166.
- C51 Abdul Quddious, **S. Nikolaou**, Marco Antoniadis, "Arbitrary Length Zero-Phase Substrate Integrated Coaxial Lines Using NRI-TL Metamaterials", 2017 International Workshop on Antenna Technology: Small Antennas, Innovative Structures, and Applications (iWAT), Athens, 2017, pp. 271-273.
- C50 M. A. B. Abbasi, **S. Nikolaou** and M. A. Antoniadis, "A high gain EBG backed monopole for MBAN off-body communication," 2016 IEEE International Symposium on Antennas and Propagation (APSURSI), Fajardo, PR, USA, pp. 1907-1908, 2016.
- C49 S. Arain, M. A. B. Abassi, **S. Nikolaou** and P. Vryonides, "A square ring resonator bandpass filter with asymmetrically loaded open circuited stubs," 5th International Conference on Modern Circuits and Systems Technologies (MOCASST), Thessaloniki, 2016, pp. 1-4
- C48 M. Ali Babar Abbasi, P. Vryonides, **S. Nikolaou**, "Humidity Sensor Devices using EDOT:PSS", Published in IEEE APS Symposium (APSURSI), Vancouver, Canada, 2015
- C47 M. A. B. Abassi, D. Philippou, and **S. Nikolaou**, "Comparison Study of Layered Homogeneous Models with Detailed Human Tissue Models for Through-body Communications", Progress in Electromagnetic Research Symposium, Prague, Czech Republic, 2015
- C46 M. A. B. Abassi, S. Arain, P. Vryonides, and **S. Nikolaou**, "Design and optimization of miniaturized dual-band implantable antenna for MICS and ISM bands" Progress in Electromagnetic Research Symposium, Prague, Czech Republic, 2015
- C45 S. Arain, M. A. B. Abassi, **S. Nikolaou**, and P. Vryonides, "A Reconfigurable Bandpass to Bandstop Filter Using PIN Diodes Based on the Square Ring Resonator", Progress in Electromagnetic Research Symposium, Prague, Czech Republic, 2015
- C44 J. Kimionis, M.M. Tentzeris, and **S. Nikolaou**, "Inkjet-printed UHF RFID folded dipole antennas for remote sensing applications", Proc. of IEEE APS, Memphis, TN, USA, July 2014
- C43 J. Bitto, Sangkil Kim, M.M. Tentzeris, and **S. Nikolaou**, "Ambient energy harvesting from 2-way talk-radio signals for "smart" meter and display applications", Proc. of IEEE APS, Memphis, TN, USA, July 2014
- C42 S. Palacios, N. Ramesh, A. Rida, M.M. Tentzeris, and **S. Nikolaou**, "Towards an implantable wireless module with a bandwidth-enhanced antenna manufactured using inkjet-printing technology", Proc. of IEEE APS Conference, Orlando, FL, USA, July 2013

- C41 **S. Nikolaou**, C. Heracleous, M. Milis and C.G. Panayiotou, "*Bidirectional Slot Antenna with LP and CP Radiation Capabilities Intended for Foliage Obstacle Detection*", Proc. of IEEE APS Conference, Orlando, FL, USA, July 2013
- C40 S. Kim, M. Riccardo, M. Bozi, **S. Nikolaou**, and M.M. Tentzeris, "*Inkjet-printed wearable microwave components for biomedical applications*", Proc. of EuCAP 2013, Gothenburg, Sweeden, April 2013
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