NIKOLAOS A. STATHOPOULOS

Professor at University of West Attica
Department of Electrical and Electronics Engineering
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Education

1995 PhD, DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING
National Technical University of Athens (NTUA)

1984 DIPLOMA IN ELECTRICAL ENGINEERING
National Technical University of Athens (NTUA)

Research topics

- Propagation modes in nonlinear optical waveguides and fibers
- Simulation of microcavity effects in OLED devices.
- Outcoupling efficiency of organic photovoltaic devices OPVs.
- Microwave pulse compression systems
- Analysis and applications of fiber Bragg gratings

Professional Experience

2018 – today **University of West Attica (UNIWA) – Faculty of Engineering - Department of Electrical and Electronics Engineering**

Professor (2018 - today)

1999 – 2018 **Piraeus University of Applied Sciences – PUAS (Technological Education Institute - TEI of Piraeus) Department of Electronics Engineering**

Professor (2008 – 2018)
Associate Professor (2003-2008)
Assistant Professor (1999-2002)

1995 – 1999 **OPT Hellas SA**
RF Filter Design Engineer (1987-90, 1995-99).
Head of design and development department (1997-1999)

1993 – 1994 **INTRACOM S.A**
Telecommunication Software Design Engineer

1990 – 1992 **Marine Technology Development Company SA**
Sensor Electronics Engineer

Teaching in Undergraduate Programs

2018 – **UNIWA**
Department of Electrical and Electronics Engineering

Teaching courses:

- Electromagnetic Fields
- Optical Communications
- Electromagnetic Compatibility
- Measurement Systems and Sensors
- Microwaves I

1999 – 2018 **PUAS**
Department of Electronics Engineering

Courses taught:

- Transmission Lines and Antennas
- Optical Communications
- Measurements
- Electronic Measurement Systems and Sensors
- Linear Circuits I

1989 – 1992 **National Technical University of Athens**
Department of Electrical Engineering
Microwaves and Antennas Lab

Teaching in Graduate Programs

2019 – **Msc in Communications and Data Networks (UNIWA – Dpt of Electrical & Electronics Eng)**

- Measurements and Electromagnetic Compatibility in Communication Systems

2015 – 2018 **Msc in Internetworked Electronic Systems (PUAS – Dpt of Electronics Eng)**

- Electromagnetic Compatibility, Safety and Quality
- Sensors and Micro-nets (BAN,PAN,LAN)

Teaching in Military Schools

2015 – today **STHAD (military school of telecommunication electronics)**

- Analog Electronics I
- Analog Electronics II

Positions at UNIWA

2019 – Director of the Research Laboratory: Wireless – Optical Devices and Communication Networks (WaveComm)

Positions at PUAS

2015 – 2018 Director of the "Communication and Networks" Research Lab
2009 – 2015 Director of the "Communications and Networks" Division of the Electronics Eng. Dpt
2015 – 2018 Deputy Head of Electronics Engineering Department
2003 – 2018 Participation in committees for the election of faculty members in the department of Electronics Engineering in PUAS and other Institutes in Greece.

Selected Research Projects

Scientific Coordinator of the following projects:

2012 – 2015 "Novel low power consumption Hybrid OLEDs with improved operational characteristics. Acronym: NHyOLED" funding: Min. of Education and E.E./ESF, O.P. "Education and Life Long Learning", "Archimedes – III".
2010 "Electromagnetic simulation of microcavity effects in multilayer light sensing devices" TEI of Piraeus 40014
2005 – 2007 "Technology development for the control of the emission spectrum of organic light emitting diodes (OLEDs). Applications in advanced optoelectronic devices', funding: Min. of Education, "Archimedes – II".

Member of the main research group of the following projects:

2017 – 2018 "Development and Applications of Experimental High Power Microwave Pulse Compression Device". National Fund. (9-2017 until 12-2018)
2012 – 2016 "Safe control of non-cooperative vehicles through electromagnetic means", FP7- SEC-2011. Grant Agreement Number 285202 (SAVELEC).
2011 – 2013 "Strengthening sensor research links between the Georgian Technical University and the European Research Area (SENS-ERA)", FP7, Grant agreement No: 294299.
2012 – 2015 "Novel and highly efficient Hybrid organic photovoltaic cells. Acronym: NHyOPV". Funding: Min. of Education and E.E./ESF, O.P. "Education and Life Long Learning", "Archimedes – III"
2012 – 2015 "Analytical and Numerical Electromagnetism with Applications in Photonics and Nanodevices. Acronym: ANEMOS", funding: Min. of Education and E.E./ESF, O.P. "Education and Life Long Learning", "THALES".
2012 – 2015 "Polymer photonic systems for application in information technology (PHOTOPOLIS)". Funding: Min. of Education and E.E./ESF, O.P. "Education and Life Long Learning", "THALES".
2011 – 2014 "Textile Applications Using Smart Materials for Measurement, Display and Control of Normal parameters (PIMACTex)" Synergasia 2011 - Cooperation between companies and research institutions in targeted areas of research and technology".

Publications

The published work includes:

- **45** papers published in international journals.
- **33** presentations in international scientific conferences.
- **2** papers in national and technology conferences.
- **1** PhD thesis
- **1** book chapter
- **1** book
- **6** textbooks

Publications in journals

J1. **N.A.Stathopoulos**, S.P.Savaidis, H.Simos, E.Rigas, R.G.Correia, S.W.James, R.P.Tatam "Transmission line method for the simulation of Fiber Bragg Gratings", *Applied Optics*, Vol. 58, Issue 2, 353-360, (2019)

J2. S.K.Bahadir, S.A.Mitilineos, S.Symeonidis, U.K.Sahin, S.Vassiliadis, F.Kalaoglu, D.Goustouridis, **N.Stathopoulos** and S.P.Savvaidis "Electromagnetic Shielding and Reflection Loss of Conductive Yarn Incorporated Woven Fabrics at the S and X Radar Bands" Journal of Electronic Materials (2019)

J3. D.Matsouka, S.Vassiliadis, S.Mitilineos, **N.Stathopoulos**, E.Siores "Three-dimensional weft-knitted textile fabrics based capacitors" *The Journal of The Textile Institute* 109-1, 98-105 (2018)

J4. N.Moshonas, **N.A.Stathopoulos**, B.T.O'Connor, A.C.Bedeloglu, S.P. Savaidis, S.Vasiliadis "Optical modeling of fiber organic photovoltaic structures, using a transmission line method" *Applied Optics*, Vol. 56, No 34, 9351-9358, (2017)

J5. A.Soultati, I.Kostis, G.Papadimitropoulos, A.Zeniou, E.Gogolides, D.Alexandropoulos, N.A.Vainos, D.Davazoglou, A.Speliotis, **N.Stathopoulos**, P.Argitis, M.Vasilopoulou " Microwave Exposure as a Fast and Cost-Effective Alternative of Oxygen Plasma Treatment of Indium-Tin Oxide Electrode for Application in Organic Solar Cells" *Journal of Physics D: Applied Physics* 50 (50), 505105 (2017)

J6. M.Vasilopoulou, D.G.Georgiadou, D.Davazoglou, S.P.Savaidis and **N.A.Stathopoulos** "Outcoupling efficiency optimization of phosphorescent and fluorescent based hybrid red, green and blue emitting OLED devices" *Phys. Stat. Sol. (c)* Vol. 14, Issue 1-2, 1600123 (2017)

J7. **N.A.Stathopoulos**, S.P.Savaidis, A.Botsialas, Z.C.Ioannidis, D.G.Georgiadou, M. Vasilopoulou, G. Pagiatakis "Reflection and transmission calculations in a multilayer structure with coherent, incoherent, and partially coherent interference, using the transmission line method" *Applied Optics*, Vol. 54, No 6, 1492-1504, (2015)

J8. M.Vasilopoulou, D.G.Georgiadou, A.Soultati, A.M.Douvas, G.Papadimitropoulos, D.Davazoglou, G.Pistolis, **N.A.Stathopoulos**, T.Kamalakis, D.Alexandropoulos, N.Vainos, C.T.Politi, L.C.Palilis, S.Couris, A.G.Coutsolelos, P.Argitis "Solution processed multi-color organic light emitting diodes for application in telecommunications", *Microelectronic Engineering* (2015)

J9. S.P.Savaidis, Z.C.Ioannidis, S.A.Mitilineos, **N.A.Stathopoulos** "Design of waveguide microwave pulse compressors using equivalent circuits" *IEEE-MTT* Vol.63, Issue 1. 125-134, (2015)

J10. M.Vasilopoulou, **N.A.Stathopoulos**, S.P.Savaidis, I.Kostis, G.Papadimitropoulos, D.Davazoglou, "Engineering of the energetic structure of the anode of organicphotovoltaic devices utilizing hot-wire deposited transition metaloxide layers" *Applied Surface Science* (2014)

J11. M.Vasilopoulou, N.Konofaos, D.Davazoglou, Panagiotis Argitis, **N.A.Stathopoulos**, S.P.Savaidis, A.A.Iliadis "Organic photovoltaic performance improvement using atomic layer deposited ZnO electron-collecting layers" *Solid-State Electronics* 101 (2014) 50–56

J12. N.Moshonas, G.K.Pagiatakis, P.Papagiannis, S.P.Savaidis and **N.A.Stathopoulos** "Application of the transmission line method for the study of highly nonlinear multilayer optical structure" *Optical Engineering* 53(11), 115106 (2014)

J13. A.Soultati, D.G.Georgiadou, A.Douvas, P.Argitis, D.Alexandropoulos, N.A.Vainos, **N.A.Stathopoulos**, G.Papadimitropoulos, D.Davazoglou, M.Vasilopoulou "The role of metal/metal oxide/organic anode interfaces in efficiency and stability of bulk heterojunction organic photodetectors" *Microelectronic Engineering*, 117, 13-17 (2014)

J14. M.Vasilopoulou, A.Soultati, D.G.Georgiadou, T.Stergiopoulos, L.C.Palilis, S.Kennou, **N.A.Stathopoulos**, D.Davazoglou, P.Argitis "Hydrogenated under-stoichiometric tungsten oxide anode interlayers for efficient and stable organic photovoltaics" *Journal of Materials Chemistry A*,2,6,1738-1749 (2014)

J15. A.Soultati, A.M.Douvas, D.G.Georgiadou, L.C.Palilis, T.Bein, J.M.Feckl, S.Gardelis, M.Fakis, S.Kennou, P.Falaras, T.Stergiopoulos, **N.A.Stathopoulos,** D.Davazoglou, P.Argitis, M.Vasilopoulou, "Solution-processed hydrogen molybdenum bronzes as highly conductive anode interlayers in efficient organic photovoltaic" *Advanced Energy Materials*, Vol. 4, Issue 3, 1300896 (2014)

J16. L.C.Palilis, M.Vasilopoulou, A.M.Douvas, D.G.Georgiadou, S.Kennou, **N.A.Stathopoulos**, V.Constantoudis, P.Argitis "Solution processable tungsten polyoxometalate as highly effective cathode interlayer for improved efficiency and stability polymer solar cells" *Solar Energy Materials and Solar Cells,* 114, 205-213, (2013)

J17. **N.A.Stathopoulos**, S.P.Savaidis, H.Simos, M.Rangoussi, P.Kervalishvili "Simulation and properties of Erbium-doped Distributed Bragg Reflectors (ED-DBR) and Fiber Bragg Gratings (ED-FBG)" *Optical Fiber Technology,* Vol. 19, Issue 5, 369-377, (2013)

J18. I.Kostis, M.Vasilopoulou, G.Papadimitropoulos, **N.Stathopoulos**, S.Savaidis, D.Davazoglou "Deposition of undoped and H doped WO_x ($x \leq 3$) films in a hot-wire atomic layer deposition system without the use of tungsten precursors" *Surface & Coatings Technology* 230, 51–58 (2013)

J19. M.Vasilopoulou, I.Kostis, A.M.Douvas, D.G.Georgiadou, A.Soultati, G.Papadimitropoulos, **N.A.Stathopoulos**, S.Savaidis, P.Argitis, D.Davazoglou "Vapor-deposited hydrogenated and oxygen-deficient molybdenum oxide thin films for application in organic optoelectronics" *Surface & Coatings Technology* 230, 202–207 (2013)

J20. L.C.Palilis, M.Vasilopoulou, A.M.Douvas, D.G.Georgiadou, S.Kennou, **N.A.Stathopoulos**, V.Constantoudis, P.Argitis "Solution processable tungsten polyoxometalate as highly effective cathode interlayer for improved efficiency and stability polymer solar cells" *Solar Energy Materials & Solar Cells* 114, 205–213, (2013)

J21. M.Vasilopoulou, S.Kennou, S.Ladas, S.N.Georga, M.Botzakaki, D.Skarlatos, C.A.Krontiras, **N.A.Stathopoulos**, P.Argitis, L.C.Palilis "Atomic layer deposited zirconium oxide electron injection layer for efficient organic light emitting diodes" *Organic Electronics* 14, 312-319, (2013)

J22. S.P.Savaidis, Z.C.Ioannidis, **N.A.Stathopoulos** "Hybrid Field/Transmission-Line Model for the study of coaxial corrugated waveguides" *IEEE-MTT*, Vol. 60, No 10 (2012)

J23. M. Vasilopoulou, G. Papadimitropoulos, L.C.Palilis, D.G.Georgiadou, P. Argitis, S. Kennou, I. Kostis, N. Vourdas, **N.A.Stathopoulos**, D. Davazoglou "High performance organic light emitting diodes using substoichiometric tungsten oxide as efficient hole injection layer" *Organic Electronics* 13, 796–806 (2012)

J24. **N.A.Stathopoulos**, L.C.Palilis, S.R.Yesayan, S.P.Savaidis, M.Vasilopoulou, and P.Argitis, "A transmission line model for the optical simulation of multilayer structures and its application for oblique illumination of an organic solar cell with anisotropic extinction coefficient" *J. Appl. Phys*. 110, 114506 (2011)

J25. M.Vasilopoulou, L.C.Palilis, D.G.Georgiadou, A.M.Douvas, P.Argitis, S.Kennou, L.Syggelou, G.Papadimitropoulos, I.Kostis, **N.A.Stathopoulos**, D.Davazoglou, "Reduction of tungsten oxide: a path towards dual functionality utilization as efficient anode and cathode interfacial layers in Organic Light Emitting Diodes", *Advanced Functional Materials* Volume 21, Issue 8, pp 1489–1497 (2011)

J26. M.Vasilopoulou , L.C.Palilis, D.G.Georgiadou, P.Argitis, S.Kennou, I.Kostis, G.Papadimitropoulos, **N.A.Stathopoulos**, A.A.Iliadis, N.Konofaos, D.Davazoglou, L.Sygellou 'Tungsten oxides as interfacial layers for improved performance in hybrid optoelectronic devices' *Thin Solid Films*, 519 (17), 5748-5753 (2011)

J27. E.D.Kyriakis-Bitzaros, **N.A.Stathopoulos**, S.Pavlos, D. Goustouridis, S.Chatzandroulis 'A reconfigurable, multi-channel capacitive sensor interface' *IEEE-Transactions on Instrumentation and Measurement*, Vol. 60, No 9, 3214-3221 (2011)

J28. **N.A.Stathopoulos**, L.C.Palilis, S.P.Savaidis, S.R.Yesayan, M.Vasilopoulou, G.Papadimitropoulos, D.Davazoglou and P.Argitis 'Optical modeling of hybrid polymer solar cells using a transmission line model and comparison with experimental results' *IEEE – JSTQE* 16 (6), art. no. 5466225, pp. 1784-1791 (2010)

J29. S.P.Savaidis, **N.A.Stathopoulos** 'Simulation of light emission from planar multilayered OLEDs, using a transmission-line model' *IEEE – JQE* Vol.45, No 9, pp 1089-1099 (2009)

J30. M.Vasilopoulou, A.M.Douvas, L.C.Palilis, P.Bayati, D.Alexandropoulos, **N.A.Stathopoulos** and P.Argitis 'Highly transparent partially fluorinated methacrylate polymers for optical waveguides' *Microelectronic Engineering* 86, 1142–1145 (2009)

J31. **N.A.Stathopoulos,** M.Vasilopoulou, L.C.Palilis, D.G.Georgiadou and P.Argitis "A combined experimental and simulation study on thickness dependence of the emission characteristics in multicolor single layer organic light-emitting diodes" *Appl. Phys. Lett.* 93, 083310 (2008)

J32. M.Vasilopoulou, **,** L.C.Palilis, A.Botsialas, D.G.Georgiadou, P.Bayiati, N.Vourdas, P.S.Petrou, G.Pistolis, **N.A.Stathopoulos** and P.Argitis 'Flexible organic light emitting diodes (OLEDs) based on a blue emitting polyfluorene' *Phys. Stat. Sol. (c)* 5, No. 12, 3658-3662 (2008)

J33. **N.A.Stathopoulos,** L.C.Palilis, M.Vasilopoulou, A.Botsialas, P.Falaras and P.Argitis 'All-organic optocouplers based on polymer light-emitting diodes and photodetectors' *Phys. Stat. Sol. (a)* 205, No 11, 2522-2525 (2008)

J34. **N.A.Stathopoulos**, S.P.Savaidis, "Gain calculation and propagation characteristics in Erbium-Doped devices with nonlinear host materials" *Optics Communications*, 281,1, pp80-89, (2008)

J35. S.P.Savaidis, **N.A.Stathopoulos** "Optical confinement in nonlinear low-index nanostructures" *Journal of Modern Optics* Vol. 54, 18, pp2699-2722, (2007)

J36. S.P.Savaidis, **N.A.Stathopoulos** 'Propagation characteristics of nonlinear optical fibers with complex refractive index. A transmission line model approach', *Optics Communications*, 260, pp427-433, (2006)

J37. **N.A.Stathopoulos,** S.P.Savaidis, M.Rangoussi "Propagation characteristics of nonlinear waveguides with complex refractive index using a transmission line model" *Optical and Quantum Electronics*, Vol. 38, pp683-699, (2006)

J38. **N.A.Stathopoulos** "Calculation of nonlinear modes guided by step – index fibers with finite cladding thickness" *Optical and Quantum Electronics*, Vol. 36, pp367-381, (2004)

J39. **N.A.Stathopoulos**, J.D.Kanellopoulos "Calculation of nonlinear waves guided by optical fibers with an inhomogeneous nonlinear core", *Optical and Quantum Electronics*, Vol. 34, pp915-929 (2002)

J40. **N.A.Stathopoulos**, J.D.Kanellopoulos "TE and TM interactive waves in successive non-Kerr nonlinear dielectric planar layer structures", *Optical and Quantum Electronics*, Vol. 31, Issue 8, pp 615-623, (1999)

J41. **N.A.Stathopoulos**, J.D.Kanellopoulos "Calculation of nonlinear waves guided by optical fibers with saturable nonlinear core and cladding. A resonance technique approach", *Journal of Opt. Soc. Am. B (JOSA B)*, Vol. 14, No 5 pp 1219-1227, (1997)

J42. J.D.Kanellopoulos, **N.A.Stathopoulos** "A model for the analysis of nonlinear interactive problems between TE and TM waves based on the resonance technique" *Optical and Quantum Electronics*, 27 pp 577-594, (1995)

J43. J.D.Kanellopoulos, **N.A.Stathopoulos** "Calculation of nonlinear waves guided by optical fibers using the resonance technique" *Journal of Modern Optics* Vol. 42, No 1 pp 141-155, (1995)

J44. J.D.Kanellopoulos, **N.A.Stathopoulos** "Application of the resonance technique for the evaluation of the TE and TM modes guided by successive nonKerr nonlinear dielectric planar layer structures" *Journal of Modern Optics.* Vol. 40 No 5 pp 743-760, (1993)

J45. J.D.Kanellopoulos, **N.A.Stathopoulos** "Calculation of nonlinear modes guided by multilayer dielectric structures using the resonance technique" *Optical and Quantum Electronics*, Vol. 24 pp 755-773 (1992)

Publications in conferences

C1. I.Zafeirakis, M.–K. Filippidou, S.Chatzandroulis, E.Kyriakis-Bitzaros, **N.Stathopoulos**, S. Vassiliadis "Design and implementation of a re-configurable embedded system for capacitive sensor array interface" , 7th International Conference on Modern Circuits and Systems Technologies (MOCAST - sponsored by IEEE), Thessaloniki 2018.

C2. **N.A.Stathopoulos**, S.Vassiliadis, E.D.Kyriakis-Bitzaros, D.Matsouka "Multiaxial Tensile Testing of Textiles, Using Inductive Type Position Sensors" XIVth International Izmir Textile and Apparel Symposium October 26-28, 2017

C3. S.P.Savaidis, **N.A.Stathopoulos**, S.A.Mitilineos, Z.C.Ioannidis, "Microwave pulse compression experiments using RF breakdown triggered switch under repetitive operational conditions" Plasma Science (ICOPS), 2017 IEEE International Conference

C4. S.P.Savaidis, S.A.Mitilineos, Z.C.Ioannidis, **N.A.Stathopoulos** "Microwave pulse compression experiments in a waveguide cavity with RF breakdown triggered switch" Plasma Science (ICOPS), 2016 IEEE International Conference

C5. S.P.Savaidis, S.A.Mitilineos, **N.A.Stathopoulos**, Z.C.Ioannidis, "Modeling of a waveguide microwave pulse compression system using transmission line theory and equivalent circuits" Plasma Science (ICOPS), 2015 IEEE International Conference

C6. S.P.Savaidis, Z.C.Ioannidis, S.A.Mitilineos, C.Tsitouri, **N.A.Stathopoulos** "Equivalent circuit/transmission line model of microwave pulse-compression cavities" (EMC Europe), 2014 International Symposium on Electromagnetic Compatibility

C7. E.Rigas, R.Correia, **N.A.Stathopoulos**, S.P.Savaidis, S.W.James, D.Bhattacharyya, P.B.Kirby, R.P.Tatam "Evaluation of the optical switching characteristics of erbium-doped fibres for the development of a fibre Bragg grating sensor interrogator" SPIE Photonics Europe, 2014

C8. N.Moshonas, G.K.Pagiatakis, P.Papagiannis, S.P.Savaidis, **N.A.Stathopoulos** "Simulation and properties of highly nonlinear multilayer optical structures using the transmission line method" SPIE Photonics Europe, 2014

C9. **N.A.Stathopoulos**, S.P.Savaidis, S.Vasiliadis, E.Voglis "Thickness optimization of a single heterojunction fibre organic photovoltaic using a simulation technique" 47th IFKT Congress, Izmir/TURKEY, September 25 – 26, 2014

C10. S.P.Savaidis, Z.C.Ioannidis, **N.A.Stathopoulos**, S.A.Mitilineos, C.Tsitouri "Transmission line modeling of active microwave pulse compression systems" Microwaves, Communications, Antennas and Electronics Systems (COMCAS), 2013 IEEE International Conference

C11. S.P.Savaidis, **N.A.Stathopoulos**, M.Vasilopoulou "A Transmission Line Model (TLM) for the calculation of the external quantum efficiency of an Organic Photovoltaic (OPV) with partial coherent interference" 39th MNE, London 16-19 September, 2013

C12. **N.A.Stathopoulos**, S.P.Savaidis, A.Botsialas, M.Vasilopoulou "Thin film thickness measurements based on a transmission line model for application in organic light emitting diodes" 39th MNE, London 16-19 September, 2013

C13. S.M.Potirakis, S.G.Vassiliadis, **N.A.Stathopoulos**, S.A.Mitilineos, C.G.Vossou "Electrical characterization of textiles" International Conference on Technics, Technologies and Education ICTTE, October 30-31 2013, Yambol, Bulgaria, 2013

C14. S. Vassiliadis, K. Prekas, **N. Stathopoulos**, S. Savvaidis "Behavior of the conductive textile yarns in SHF range" SMARTEX, 2011

C15. S. Vassiliadis, **N. Stathopoulos**, K. Prekas and S. Savvaidis "Behavior of the conductive yarns and fabrics in high frequencies" ITMC International Conference, Casablanca, Morocco, 2011

C16. **N.A.Stathopoulos**, S.P.Savaidis, S.Yesayan, L.C.Palilis, M.Vasilopoulou, P.Argitis, "Simulations of the electric field in hybrid organic photovoltaics using a transmission line model – Comparison with experimental results", 1st International Commission for Optics Topical Meeting on Emerging Trends and Novel Materials in Photonics, Delphi, Greece, 2009

C17. **N.A.Stathopoulos**, S.P.Savaidis, S.Yesayan, L.C.Palilis, M.Vasilopoulou and P.Argitis "Electromagnetic simulation of organic photovoltaic devices using a transmission line model" 2nd IS – Flexible Organic Electronics 2009, Chalkidiki 8-10 July, 2009

C18. M.Vasilopoulou, A.M.Douvas, L.C.Palilis, P.Bayiati, D.Alexandropoulos, **N.A.Stathopoulos** and P.Argitis "Partially Fluorinated Methacrylate Polymers as Active and Cladding Components in Optical Waveguides" 34th MNE, Athens 15-18 September, 2008

C19. M.Vasilopoulou, D.Georgiadou, L.Palilis, G.Pistolis, **N.Stathopoulos**, and P.Argitis "Single layer white organic light emitting diodes for lighting applications" 4th European Conference on Organic Electronics and Related Phenomena (ECOER) 1-4 October (2007)

C20. M.Vasilopoulou, L.C.Palilis, A.Botsialas, D.Georgiadou, D.Davazoglou, G.Pistolis, P.Falaras, **N.Stathopoulos**, and P.Argitis "An all-polymeric optocoupler based on dye dispersed polymer light-emitting diodes (PLEDs)" 4th European Conference on Organic Electronics and Related Phenomena (ECOER) 1-4 October (2007) Vavenna.

C21. **N.Stathopoulos** , M.Vasilopoulou and P.Argitis "Optimization of the external efficiency of single layer full color light emitting diodes based on blue emitting polymers" International Conference on Organic Electronics (ICOE) 04-07 June (2007), Eindhoven

C22. M.Vasilopoulou, A.Botsialas, G.Pistolis, P.Bayiati, P.Petrou, **N.Stathopoulos**, M.Rangoussi and P.Argitis "Patterning Scheme Based on Photoacid Induced Spectral Changes for Single Layer, Patterned Full Colour Light Emitting Diodes Based on Blue Emitting Polymers" MRS Symposium S: Organic Electronics – Materials, Devices and Applications (Boston 2006).

C23. M.Vasilopoulou, G.Pistolis, **N.Stathopoulos**, M.Rangoussi, P.Argitis "Photochemically induced emission tuning of conductive polymers used in OLEDs" 2nd International Conference on information technology and quality (Spetses 2005).

C24. **N.A.Stathopoulos** "Equivalent Circuits in Fourier Space for the Calculation of Guided Modes in Cylindrical Dielectric Configurations Based on Measured Index Profile" 6th WSEAS multiconference CSCC, Crete July 2002.

C25. **N.A.Stathopoulos**, J.D.Kanellopoulos "Nonlinear inhomogeneous fibers" Techonline (on line conference through internet www.techonline.com) Nov. 2000

C26. J.D.Kanellopoulos, **N.A.Stathopoulos** "Calculation of nonlinear waves guided by optical fibers of complicated configuration using the resonance technique " PIERS 1996 (Insburg, Austria - July 96)

C27. J.D.Kanellopoulos, **N.A.Stathopoulos** "Calculation of nonlinear waves guided by optical fibers with nonlinear core using the resonance technique" 8th international symposium on theoretical electrical engineering (Θεσσαλονίκη 95).

C28. J.D.Kanellopoulos, **N.A.Stathopoulos** "A model for the analysis of nonlinear waves guided by optical fibers using the resonance technique" PIERS 1994 (Noordwijk January 94).

C29. J.D.Kanellopoulos, **N.A.Stathopoulos** "Analysis of the nonlinear interaction between TE and TM waves based on the equivalent circuits in Fourier space" International Symposium on radio propagation (ISRP'93) (Beijing August '93).
C30. J.D.Kanellopoulos, **N.A.Stathopoulos** "Calculation of TE and TM modes guided by nonKerr dielectric planar layer structures using the resonance technique" 9th National Radio Science Conference URSI (Cairo February '92).
C31. J.D.Kanellopoulos, **N.A.Stathopoulos** "Equivalent circuits in Fourier space for the study of nonlinear TM waves guided by thin films of arbitrary refractive index profile" MELECON '91 (Ljubljana, May '91)
C32. J.D.Kanellopoulos, **N.A.Stathopoulos** "Equivalent circuits in Fourier space for the study of nonlinear waves quided by thin films" MELECON '89 (Lisbon April '89).
C33. J.D.Kanellopoulos, **N.A.Stathopoulos** "Use of the spatial Fourier transformation for the study of waves guided by nonlinear thin films" International Symposium for Electromagnetic Theory URSI (Stocholm August '89).

Books

1. "Measurements – Electronic Measurement Systems and Sensors" N.Stathopoulos, 490 pages – 2017 (in Greek)
2. Electronic book: "Electronics and computing in textiles", Chapter 6: RF Measurements and characterization of conductive textile materials, Bookboon.com (2012)

Textbooks – Notes (in Greek)

3. "Transmission Lines", Lecture notes
4. "Optical Communications", Lecture notes
5. "Laboratory Exercises in Measurements"
6. "Laboratory Exercises in Sensors"
7. "Laboratory Exercises in Transmission Lines"
8. "Laboratory Exercises in Optical Communications,"

Patents

- N.Stathopoulos: 'Double electrode inverted mesa crystals for high frequencies filter applications' Hellenic Industrial Patent Office No: 20050100595 (2005).
- Potirakis S., Jevsnik S., Vassiliadis S., Stathopoulos N., Mitilineos S., “Method of production of textile capacitors by hot welding” (“Metoda izdelave tekstilnih kondenzatorjev s toplim varjenjem”), Slovenian Patent SI 25069 (appl. No.: P-201600317) Pub. Date: 26.04.2017, Slovenian Intellectual Property Office

Other Information

- Reviewer of papers in scientific journals:
- Member of the Technical Chamber of Greece (1984)
- Member of IEEE (2001)
- Award by the Greek Mathematical Institute (1977 contest)