

Dimitrios Zografopoulos

Personal Information

First Name	Dimitrios
Last Name	Zografopoulos
Date of Birth	05 July 1980
Place of Birth	Thessaloniki (Greece)
Address	Via Libero Leonardi, 2, 00173 Rome (Italy)
Nationality	Greek
Telephone	+39 06 4993 4571 (work); +39 342 1870126 (mobile)
E-mail	dimitrios.zografopoulos@artov.imm.cnr.it; dzogra@gmail.com
Tax Code	ZGRDTR80L05Z115Q
Researcher ID	I-6571-2013

Academic & Research Experience

- Sep. 2011 – Today **Researcher**, *Consiglio Nazionale delle Ricerche, Istituto per la Microelettronica e Microsistemi (CNR-IMM), Via del fosso del cavaliere 100, 00133, Rome (Italy).*
The first two years under a Marie-Curie Intra-European Fellowship for Career Development (FP7-PEOPLE-2010-IEF).
- Feb. 2011 – Aug. 2011 **Visiting Professor**, *Universidad Carlos III de Madrid, Departamento de Tecnología Electrónica, Avenida de la Universidad 30, 28911, Leganés, Madrid (Spain).*
Public call for teaching and research personnel in the frame of the program “Talent Human Resources” for young researchers.
- Oct. 2010 – Jan. 2011 **Lab Assistant Professor**, *Informatics and Communications Department, Technological Educational Institute of Central Macedonia, 62124 Serres (Greece).*

Education

- Dec. 2003 – Apr. 2009 **Ph.D. in Electrical and Computer Engineering (with honors)**, *Aristotle University of Thessaloniki (Greece).*
Dissertation Title *Photonic crystal optical fibers with tunable polarization properties*
Supervisor Prof. Theodoros D. Tsiboukis
- Oct. 1998 – Nov. 2003 **Diploma in Electrical and Computer Engineering**, *Aristotle University of Thessaloniki.*
Duration 5-year curriculum (Beng + integrated Meng). Specialization in Telecommunications.
Grade 8.25/10 (among the top 7%)
Distinctions Scholarship of excellence from the Hellenic States Scholarship Foundation for my enrollment.
- Sep. 2006 – Nov. 2010 **BA in History & Archaeology**, *Aristotle University of Thessaloniki.*
Duration 4-year curriculum. Specialization in History.
Grade 8.78/10
Distinctions Scholarship of excellence from the Hellenic States Scholarship Foundation for the first year of my studies.

Fellowships

- Sep. 2011 – Aug. 2013 **Marie-Curie Intra-European Fellowship for Career Development**
Awarding Agency European Commission
Project Title “tunAble Liquid-crystal LOng-range surface PLASMon polariton components”
Supervisor Dr. Romeo Beccherelli
Budget 180.084€
Description EU-funded project (FP7-PEOPLE-2010-IEF-273528) for the development of liquid-crystal tunable plasmonic components.
- Sep. 2011 – Aug. 2014 **Post-doctoral Fellowship for Career Development**
Awarding Agency Ministry of Education and Religious Affairs of Greece
Project Title “Tunable liquid-crystal surface plasmon polariton components”
Supervisor Prof. Emmanouil Kriezis
Budget 150.000€
Description Three-year project in the frame of the program “Supporting Postdoctoral Researchers,” co-financed by the European Commission. Resigned due to overlap with the Marie-Curie project.
- Jul. 2011 – Jan. 2012 **Post-doctoral Fellowship**
Awarding Agency States Scholarship Foundation of Greece
Project Title “Design and analysis of optimized non-linear components in integrated silicon photonics technology”
Supervisor Prof. Emmanouil Kriezis
Budget 7.200€
Description Post-doctoral fellowship for the design of non-linear soliton-based components in silicon photonics.
- Jan. 2010 – Dec. 2010 **Post-doctoral Fellowship of Excellence**
Awarding Agency Research Committee of the Aristotle University of Thessaloniki
Project Title “Design and analysis of optimized photonic crystal fibers for dispersion compensation applications”
Supervisor Prof. Emmanouil Kriezis
Budget 6.000€
Description Post-doctoral fellowship for the design of photonic crystal fiber-based components for dispersion compensation.
- Oct. 2005 – Oct. 2008 **Doctoral Fellowship**
Awarding Agency General Secretariat of Research and Technology, Ministry of Education and Religious Affairs of Greece (PENED’2003)
Project Title “Design and development of novel devices for microwave and optical communications”
Supervisor Prof. Theodoros D. Tsiboukis
Budget 132.790€ (total)
Description Doctorate fellowship for the design of novel microwave and optical components. Three PhD students supported in the frame of the project.

Project Leading

Sep. 2021 – Jan. 2022	Fabrication of anti-reflection coatings
Funding Agency	MBDA S.p.A.
Budget	18.300€
Details	Commercial contract.
Jan. 2019 – Dec. 2021	Transparent electrodes for advanced liquid-crystal tunable devices
Funding Agency	Consiglio Nazionale delle Ricerche
Budget	12.000€
Description	Bilateral project with the Institute of Optical Materials and Technologies, in the frame of the cooperation between the CNR and the Bulgarian Academy of Sciences.
Apr. 2021 – Aug. 2021	Design of anti-reflection coatings
Funding Agency	MBDA S.p.A.
Budget	12.200€
Details	Commercial contract.
Jan. 2019 – Jun. 2021	Ultra-broadband spectroscopy for the detection of emerging contaminants in Boka Kotorska Bay
Funding Agency	Consiglio Nazionale delle Ricerche
Budget	5.000€
Description	Bilateral project with the Institute for Marine Biology, University of Montenegro, in the frame of the cooperation between the CNR and the Ministry of Science of Montenegro.
Jan. 2014 – Dec. 2015	Liquid-crystal tunable nanoplasmonic structures based on periodic metallic films
Funding Agency	Italian Ministry of Foreign Affairs
Budget	27.731€
Description	“Grande Rilevanza” project for scientific collaboration with the Solid State Physics Center, Institute of Physics, Belgrade, Serbia.

Project Participation

2020 – 2022	Graphene-enhanced on-chip nanophotonics for switching and lasing applications
Funding Agency	Hellenic Foundation for Research and Innovation
Scientific Responsible	Prof. Emmanouil Kriezis
Budget	187.928€
Details	Participation as external collaborator to the project.
2017 – 2021	Low profile active scanning antenna array demonstrator
Funding Agency	European Space Agency
Scientific Responsible	Ingegneria dei Sistemi S.p.A.
Budget	256.000€ (for the CNR-IMM)
Details	ESA ITT AO/1-8614/16/UK/ND.
2015 – 2018	AMC/Metamaterial Antennas for Broadband Connectivity
Funding Agency	European Space Agency
Scientific Responsible	Ingegneria dei Sistemi S.p.A.
Budget	101.000€ (for the CNR-IMM)

Details ESA ITT AO/1-7992/14/NL/MH.
 2015 – 2018 **On-chip novel optical modulator**
 Funding Agency Qatar National Research Fund
 Scientific Responsible Prof. Lamees Shahada
 Budget 91.740\$ (for the CNR-IMM)
 Details National Priority Research Program: NPRP 7-456-1-985.

2014 – 2016 **THz lenses with electro-optically tunable focal length**
 Funding Agency Italian Ministry of Foreign Affairs
 Scientific Responsible Dr. Romeo Beccherelli
 Budget 35.000€
 Details "Grande Rilevanza" project for scientific collaboration with the National Institute of Scientific Research - Energy, Materials, and Telecommunications, Québec, Canada.

2013 – 2015 **Functional metamaterials for spatial light modulators at THz spectrum**
 Funding Agency Italian Ministry of Foreign Affairs
 Scientific Responsible Dr. Romeo Beccherelli
 Budget 55.000€
 Details "Grande Rilevanza" project for scientific collaboration with the Military University of Technology, Warsaw, Poland.

2006 – 2009 **Photonic crystals for optical communications based on silicon and liquid crystals**
 Funding Agency Italian Ministry of Foreign Affairs
 Scientific Responsible Dr. Romeo Beccherelli
 Budget 220.000€
 Details "Grande Rilevanza" project for scientific collaboration between the CNR-IMM and the Aristotle University of Thessaloniki, Greece.

2006 – 2008 **Nouveaux Nanomatériaux Cristaux Liquides Cholestériques à gradient de fonction: études expérimentales et théoriques**
 Funding Agency General Secretariat of Research and Technology, Ministry of Education and Religious Affairs (Greece)
 Scientific Responsible Prof. Emmanouil Kriezis
 Budget 11.600€
 Details Bilateral collaboration project between Greece (Aristotle University of Thessaloniki) and France (CNRS-CEMES)

Teaching and Mentoring

University Courses

Feb.–Jun. 2011 *Visiting Professor*
 Courses Optical Communications (BSc) & Advanced Data Transmission Techniques (MSc)
 Institution Universidad Carlos III de Madrid, Departamento de Tecnología Electrónica.

Oct. 2010 – Jan. 2011 *Lab Assistant Professor*
 Courses Communications I (BSc) & Calculus I (BSc)
 Institution Technological Educational Institute of Central Macedonia, Informatics and Communications Department.

Oct. 2004 - Jan. 2009 *Teaching Assistant (part of my Ph.D. program)*
 Courses Electromagnetic Field Theory I, II, III, IV (BSc)

Institution Aristotle University of Thessaloniki, School of Electrical and Computer Engineering
Seminars

2011 “Photonic crystal fibers: Physics and applications”, (6 hrs) at the Universidad Carlos III de Madrid, Departamento de Tecnología Electrónica

Student Mentoring

Jul – Sep. 2018 Tutor for Dr. Mahboubeh Moghadam during her research stay at CNR-IMM-Rome in the frame of her PhD “Analytical investigation of propagation characteristics and confinement of modes in hybrid waveguides”, Arak University, 2018.

Appointments

2019 – 2023 **Management Committee Substitute Member**, *COST Action CA18223: “Future communications with higher-symmetric engineered artificial materials”*.
Appointed by the Italian Ministry of Universities and Research.

2017 – 2021 **Management Committee Substitute Member**, *COST Action CA16220: “European Network for High Performance Integrated Microwave Photonics”*.
Appointed by the Italian Ministry of Universities and Research.

2020 – today **Reference Person**, *CNR-IMM, Rome Unit, for the Application Area AR9 “Opto-electronic, plasmonic, and photonic devices”*.

2018 – 2020 **Reference Person**, *CNR-IMM, Rome Unit, for Work Group GdL10 “Plasmonics and Nanophotonics”*.

Qualifications

May 2021 - May 2030 Qualified as *Associate Professor* in the Sector 09/F1 “Electromagnetic fields” - Abilitazione Scientifica Nazionale (ex art.16, L. 30.12.2010 n.240)

May 2021 Qualified as *Senior Researcher* in the Strategic Area “Systems and Communications Engineering” (CNR Call 315.21 PR).

Scientific Activities

2006 – today **Publications**

- Overview
- Articles in international peer-reviewed journals: **81**
 - Book chapters: **3**
 - Presentations in international conferences: **76**
 - Presentations in national conferences: **16**
 - Other presentations: **6**
 - Impact factor points per published article: **3.51**

- Citations
- Citation number (Scholar Google): **1875**
 - Total/third-author citations (Scopus): **1644/1057**
 - Total/third-author citations (WoS): **1456/1099**
 - Third-author citations (all sources): **1153**
 - h-index/i10-index (Scholar Google): **26/52**
 - h-index (Scopus): **25**
 - h-index (WoS): **22**

Conference organization

Description I have organized the following session at:
○ PIERS19 (Rome, Italy), Special Session: *THz metamaterials, devices, and systems*

Research mobility grants

Winner of two CNR short-term mission grants:

- CNR-STM-2015: Mobility grant for Prof. Emmanouil Kriezis, Aristotile University of Thessaloniki
- CNR-STM-2021: Mobility grant for Dr. Odysseas Tsilipakos, Foundation of Research and Technology - Hellas

Research Interests

- Overview
- All-dielectric metasurfaces with strong Mie resonances for wave manipulation.
 - Design and analysis of tunable metamaterials and metasurfaces using liquid crystals and semiconductors.
 - Terahertz technology: design and characterization of components for THz wave manipulation.
 - Optical/photonic integrated circuits of plasmonic technology: switching elements based on plasmonic waveguides, resonators, and filters.
 - Photonic crystal fibers: fibers with high-birefringence and tunable properties.
 - Computational techniques for photonics: development of computational techniques for the analysis of photonic components. Time-domain modeling of dispersive materials based on the finite-difference time-domain method.
 - Liquid crystal switching and orientation studies.

Refereeing & Editorial Activities

- 2007 – today
- Overview **Reviewer for International Journals** More than 200 reviews for peer-reviewed international journals.
- Distinctions Among the 25 OSA's Outstanding Reviewers for the year 2018.
Among the 20 IoP Outstanding Reviewers for IoP's "Journal of Optics" for the year 2018.
- Publon's profile <https://publons.com/researcher/1450809/dimitrios-zografopoulos/>
- Journal list ACS Applied Nano Materials, ACS Nano, ACS Photonics, Advances in Optoelectronics, Applied Optics, Applied Physics B, Applied Physics Letters, Applied Sciences, Biomedical Optics Express, Chinese Optics Letters, Crystals, Coatings, Current Nanoscience, Electronics, Electronics Letters, IEEE Access, IEEE Electronic Device Letters, IEEE Photonics Journal, IEEE Photonics Technology Letters, IEEE Journal of Selected Topics in Quantum Electronics, IEEE Microwave and Wireless Components Letters, IEEE Transactions on Microwave Theory and Techniques, IEEE Transactions on Terahertz Science and Technology, IEEE Transactions on Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, IEEE/OSA Journal of Lightwave Technology, IET Microwave, Antennas & Propagation, Infrared Physics and Technology, International Journal of Nanomedicine, International Journal of Engineering Science and Technology, Journal of Applied Physics, Journal of Chemical Physics, Journal of Materials Science, Journal of Modern Optics, Journal of Nanophotonics, Journal of Optics, Journal of Optics and Laser Technology, Journal of Physics Communications, Journal of Physics D, Journal of the Optical Society of America B, Journal of Vacuum Science and Technology B, Lab on a Chip, Materials, Materials and Design, Measurements, Microelectronics Engineering, Nano Letters, Nano-Micro Letters, Nanomaterials, Nanotechnology, New Journal of Physics, Optical and Quantum Electronics, Optical Engineering, Optical Materials, Optical Materials Express, Optics and Laser Technology, Optics Communications, Optics Express, Optics Letters

Optik, Opto-electronics Review, OSA Continuum, Photonics, Photonics and Nanostructures: Fundamentals and Applications, Photonics Research, Physica Status Solidi A, Physics Letters A, Plasmonics, Results in Physics, Royal Society Open Science, Sensors, Sensors and Actuators B, Smart Materials and Structures.

Editorial Board Member

2016 – today Scientific Reports, Nature Publishing Group

2019 – today Applied Sciences, MDPI

2020 – today Magnetism, MDPI

Project Expert/Evaluator

2016 – today *European Commission (also by way of the Research Executive Agency)*

Ex ante evaluation of scientific projects: H2020-FETOPEN, Field Emerging Technologies (2016); H2020-MSCA-IF, Marie-Skłodowska Curie Individual Fellowships (2016 – today).

In itinere monitoring of scientific projects funded under the H2020-FETOPEN scheme (2018 – today).

2021 *The Polish National Center for Research and Development (Narodowe Centrum Badań i Rozwoju)*

Ex-ante evaluation of scientific projects in the frame of the GS Call of the Programme “Applied Research”, Norway Grants 2014-2021.

2020 *Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI) of Romania*

Ex-ante evaluation of scientific projects in the frame of the call “PNCDI III - Competitiveness by research, development and innovation Experimental – Demonstration project (PED 2019)”.

2019 *The Research Agency of the Slovak Republic (Výskumná Agentúra)*

Ex ante evaluation of Research Strategies submitted in the frame of the Operational Programme Research and Innovation (OPRI) 2014 – 2020.

2019 – 2020 *The Central Finance and Contracting Agency of the Republic of Latvia (Centrālā finanšu un līgumu aģentūra)*

Mid-term and final project implementation evaluation for “Industry Driven Research” in the frame of “Research, development of technologies and innovation” of operational programme “Growth and Employment” of the EU Structural and Cohesion Fund 2014-2020.

2019 *European Commission - EUREKA*

Ex-ante evaluation of INNOWWIDE “Viability Assessment Projects in International Markets”.

2019 *Science Fund of the Republic of Serbia*

Ex-ante evaluation of scientific projects in the frame of the call PROMIS “Program for excellent projects of young researchers” and IDEAS.

2015 – 2017 *The Polish National Science Center (Narodowe Centrum Nauki)*

Ex ante evaluation of scientific projects: OPUS (2015 – 2016), SONATA (2016), POLONEZ (2017).

PhD Examination Committees

Sep. 2021 Dr. Eleni Perivolari: “Liquid crystal nano-photonics devices for efficient light manipulation from visible to THz regime,” University of Southampton.

Jun. 2015 Dr. Francisco Algorri: "Adaptive micro-optical phase modulators based on liquid crystal technology," Carlos III Universidad de Madrid.

Professional Activities

- May 2009 – Jan. 2010 **Operator of digital terminal devices**, *Signal Corps of the Hellenic Army*.
Serving my compulsory military service as corporal.
- Oct. 2003 – May 2004 **Technical Assistant**, *LCF International, Wholesale Security Systems, Ioustinianou 4, 55134, Thessaloniki (Greece)*.
Technical assistance and sales.
- Oct. 2002 – May 2003 **Language Teacher**, *Young Women Christian Association (YWCA), Mitropoleos 18, 54624, Thessaloniki (Greece)*.
Oct. 2000 – May 2001 Spanish language teaching in foreign language courses for adults.
- Jul. 2000 – Aug. 2000 **Intern Engineer**, *LG New Vision Factory, Sahab, Amman (Jordan)*.
Internship in the frame of the student exchange program I.A.E.S.T.E.

Courses & Workshops

- 25-27 Sep. 2017 "Meeting Electromagnetic Engineering Technology," organized by Ingegneria dei Sistemi, Rome, Italy.
- 23-25 Jul. 2014 "Fields and waves in metamaterials and metasurfaces," PhD course given by Prof. N. Engheta, University of Siena, Italy.
- 04-19 Jul. 2013 "Nano-structures for optics and photonics - Optical strategies for enhancing sensing, imaging, communication, and energy conversion," International School of Atomic and Molecular Spectroscopy, Erice, Italy.
- 06 Mar. 2013 "3D Raman Imaging Meets AFM, SNOM and Profilometry," WITec GmbH, Area di Ricerca di Roma Tor Vergata, Roma, Italy.
- 13-14 Dec. 2012 "Tecniche di microscopia innovative a risoluzione atomica," Dipartimento di Scienze Fisiche e Tecnologie della Materia, CNR, Istituto SPIN, Genova (GE), Italy.
- 17-29 Jul. 2012 "Advances on Nanophotonics IV," International School of Quantum Electronics, Erice, Italy.
- 11-15 Jul. 2012 Euroscience Open Forum 2012, Dublin, Ireland.

Languages

Greek	Mother tongue	
English	C2 Level	<i>Certificate of Proficiency in English, University of Cambridge</i>
Italian	C2 Level	<i>Certificato di Conoscenza della Lingua Italiana (CELI 5), Università di Perugia</i>
Spanish	C2 Level	<i>Diploma Superior de Español, Universidad de Salamanca</i>
Portuguese	B2 Level	<i>Diploma Intermédio de Português Língua Estrangeira, Universidade de Lisboa</i>
French	B2 Level	<i>Diplôme d'Études en Langue Française, Ministère de l'Éducation Nationale, République Française</i>
Serbian	B2 Level	<i>Ispit srpskog kao stranog jezika, Filološki Fakultet u Beogradu</i>
Russian	B2 Level	Русский язык повседневного общения. Постпороговый уровень, Государственный институт русского языка им. А. С. Пушкина
German	B1 Level	<i>Zertifikat Deutsch, Goethe Institut Inter Nationes</i>
Bulgarian	B1 Level	

Computer skills

Operating Systems Windows, MacOS

Scientific Software MATLAB, COMSOL Multiphysics, CST Microwave Studio, FlexPDE
CAD Tools Fusion 360
Other Software Microsoft Office, LaTeX
Web development Joomla

Other Skills

2005 Diploma in Paleography, issued by the Center for Hagiological Studies of the Holy Metropolis of Thessaloniki

Memberships

2019 - today The Optical Society of America (as part of the Reviewer reward program)
2005 - today Technical Chamber of Greece

Driving Licenses

Category B Vehicle

List of publications

Book Chapters

- [b.03] **D. C. Zografopoulos** and A. Ferraro, "Anapole states and toroidal multipole excitations in photonic metastructures," Chapter 4 in *Hybrid Flatland Metastructures*, edited by R. Caputo and G. E. Lio, American Institute of Physics Publishing (USA), Melville, New York, pp. 4.1-4.22, ISBN 978-0-7354-2287-2, 2021.
- [b.02] **D. C. Zografopoulos** and R. Beccherelli, "Tunability of plasmonic devices," Chapter 7 in *NATO Science for Peace and Security Series B: Physics and Biophysics 2015*, edited by B. di Bartollo, J. Collins, and L. Silvestri, pp. 187-207, Springer, ISBN 978-94-024-0848-5, 2015.
- [b.01] **D. C. Zografopoulos**, A. K. Ptilakis, and E. E. Kriezis, "Liquid crystal infiltrated photonic crystal fibers for switching applications," Chapter 3 in *Optofluidics, Sensors and Actuators in Microstructured Optical Fibers*, edited by S. Pissidakis and S. Selleri, Woodhead Publishing, Cambridge (UK), Elsevier Ltd., ISBN:978-1-78242-329-4, June 2015.

Journals

- [a.81] **D. C. Zografopoulos** and V. Dmitriev, "Quasi-dark resonances in silicon metasurface for refractometric sensing and tunable notch filtering," *Journal of Lightwave Technology*, doi: 10.1109/JLT.2021.3107953, in-press, 2021.
- [a.80] S. De Simone, A. Perošević-Bajčeta, D. Joksimović, R. Beccherelli, **D. C. Zografopoulos**, and V. Mussi, "Study of microplastics and inorganic contaminants in mussels from the Montenegrin coast, Adriatic Sea," *Journal of Marine Science and Engineering*, vol. 9, art. no. 544, 2021.
- [a.79] K. P. Prokopidis and **D. C. Zografopoulos**, "Time-domain studies of general dispersive anisotropic media by the complex-conjugate pole-residue pairs model," *Applied Sciences*, vol. 11, art. no. 3844, 2021.
- [a.78] J. F. Algorri, F. Dell'Olio, P. Roldán-Varona, L. Rodríguez-Cobo, J. M. López-Higuera, J. M. Sánchez-Pena, and **D. C. Zografopoulos**, "Strongly resonant silicon slot metasurfaces with symmetry-protected bound states in the continuum," *Optics Express*, vol. 7, pp. 10374-10385, 2021.
- [a.77] **D. C. Zografopoulos**, J. F. Algorri, W. Fuscaldo, J. M. López-Higuera, R. Vergaz, J. M. Sánchez-Pena, I.-A. Karolos, R. Beccherelli, V. E. Tsioukas, T. V. Yioultis, and E. E. Kriezis, "All-dielectric toroidal metasurfaces for angular-dependent resonant polarization beam steering," *Advanced Optical Materials*, vol. 9, art. no. 202002143, 2021.
- [a.76] G. Isić, **D. C. Zografopoulos**, D. B. Stojanović, B. Vasić, and M. Belić, "Beam steering efficiency in resonant reflective metasurfaces," *IEEE Journal of Selected Topics in Quantum Electronics*, vol. 27, art. no. 4700208, 2021.
- [a.75] J. F. Algorri, **D. C. Zografopoulos**, L. Rodríguez-Cobo, J. M. Sánchez-Pena, and J. M. López-Higuera, "Engineering aspheric liquid crystal lenses by using the transmission electrode technique," *Crystals*, vol. 10, art. no. 835, 2020.
- [a.74] J. F. Algorri, P. Morawiak, **D. C. Zografopoulos**, N. Bennis, A. Spadlo, L. Rodríguez-Cobo, L. R. Jaroszewicz, J. M. Sánchez-Pena, and J. M. López-Higuera, "Multifunctional light beam control device by stimuli-responsive liquid crystal micro-grating structures," *Scientific Reports*, vol. 10, art. no. 13806, 2020.
- [a.73] J. F. Algorri, P. Morawiak, **D. C. Zografopoulos**, N. Bennis, A. Spadlo, L. Rodríguez-Cobo, L. R. Jaroszewicz, J. M. Sánchez-Pena, and J. M. López-Higuera, "Cylindrical and Powell liquid crystal lenses with positive-negative optical power," *IEEE Photonics Technology Letters*, vol. 32, pp. 1057-1060, 2020.

- [a.72] A. D'Arco, V. Mussi, S. Petrov, S. Tofani, R. Beccherelli, M. Petrarca, D. Dimitrov, V. Marinova, S. Lupi, and **D. C. Zografopoulos**, "Fabrication and spectroscopic characterization of graphene transparent electrodes on flexible cyclo-olefin substrates for terahertz electro-optic applications," *Nanotechnology*, vol. 31, art. no. 364006, 2020.
- [a.71] J. F. Algorri, P. Morawiak, N. Bennis, **D. C. Zografopoulos**, L. R. Jaroszewicz, V. Urruchi, and J. M. Sánchez-Pena, "Positive-negative tunable liquid crystal lenses based on a microstructured transmission line," *Scientific Reports*, vol. 10, art. no. 10153, 2020.
- [a.70] K. P. Prokopidis and **D. C. Zografopoulos**, "Fourth-order Jameson-Schmidt-Turkel FDTD scheme for nonmagnetised cold plasma," *Electronics Letters*, vol. 56, pp. 275-378, 2020.
- [a.69] B. Vasić, G. Isić, R. Beccherelli, and **D. C. Zografopoulos**, "Tunable beam steering at terahertz frequencies using reconfigurable metasurfaces coupled with liquid crystals," *IEEE Journal of Selected Topics in Quantum Electronics*, vol. 26, art. no. 7701609, 2020.
- [a.68] L. Maiolo, A. Ferraro, F. Maita, R. Beccherelli, E. E. Kriezis, T. V. Yioultis, and **D. C. Zografopoulos**, "Metasurface quarter-wave plates on electromagnetically thin polyimide substrates," *Applied Physics Letters*, vol. 115, art. no. 241602, 2019.
- [a.67] A. Ferraro, A. Tanga, **D. C. Zografopoulos**, M. Ortolani, R. Beccherelli, "Guided-mode resonance flat-top bandpass filter for terahertz telecom applications," *Optics Letters*, vol. 44, pp. 4239-4242, 2019.
- [a.66] **D. C. Zografopoulos**, A. Ferraro, J. F. Algorri, P. Martín-Mateos, B. García-Cámara, A. Moreno-Oyervides, V. Krozer, P. Acedo, R. Vergaz, J. M. Sánchez-Pena, and R. Beccherelli, "All-dielectric silicon metasurface with strong subterahertz toroidal dipole resonances," *Advanced Optical Materials*, vol. 7, art. no. 1900777, 2019.
- [a.65] J. F. Algorri, **D. C. Zografopoulos**, V. Urruchi, and J. M. Sánchez-Pena, "Recent advances in adaptive liquid crystal lenses," *Crystals*, vol. 9, art. no. 272, 2019.
- [a.64] **D. C. Zografopoulos**, J. F. Algorri, A. Ferraro, B. García-Cámara, J. M. Sánchez-Pena, and R. Beccherelli, "Toroidal metasurface resonances in microwave waveguides", *Scientific Reports*, vol. 9, art. no. 7544, 2019.
- [a.63] S. Tofani, **D. C. Zografopoulos**, R. Fastampa, M. Missori, and R. Beccherelli, "Terahertz focusing properties of polymeric zone plates characterized by a modified knife-edge technique," *Journal of the Optical Society of America B*, vol. 36, pp. D88-D96, 2019.
- [a.62] G. Isić, G. Sinatkas, **D. C. Zografopoulos**, B. Vasić, A. Ferraro, R. Beccherelli, E. E. Kriezis, and M. Belić, "Electrically tunable metal-semiconductor-metal terahertz metasurface modulators", *IEEE Journal of Selected Topics in Quantum Electronics*, vol. 25, art. no. 8500108, 2019.
- [a.61] J. F. Algorri, **D. C. Zografopoulos**, A. Ferraro, B. García-Cámara, R. Beccherelli, and J. M. Sánchez-Pena, "Ultrahigh-quality factor resonant dielectric metasurfaces based on hollow nanocuboids," *Optics Express*, vol. 27, pp. 6320-6330, 2019.
- [a.60] S. Tofani, **D. C. Zografopoulos**, R. Fastampa, M. Missori, and R. Beccherelli, "High resolution binary zone plate in double-sided configuration for terahertz radiation focusing," *IEEE Photonics Technology Letters*, vol. 31, pp. 117-120, 2019.
- [a.59] J. F. Algorri, **D. C. Zografopoulos**, A. Ferraro, B. García-Cámara, R. Vergaz, R. Beccherelli, and J. M. Sánchez-Pena, "Anapole mode in hollow-core dielectric nanocuboid metasurfaces for sensing applications," *Nanomaterials*, vol. 30, art. no. 30, 2019.
- [a.58] **D. C. Zografopoulos**, A. Ferraro, and R. Beccherelli, "Liquid-crystal high-frequency microwave technology: materials and applications," *Advanced Materials Technologies*, vol. 2019, vol. 4, art. no. 1800447, 2019.
- [a.57] K. P. Prokopidis and **D. C. Zografopoulos**, "One-step leapfrog ADI-FDTD method using the complex-conjugate pole-residue pairs dispersion model," *IEEE Microwave and Wireless Components Letters*, vol. 28, pp. 1068-1071, 2018.

- [a.56] J. F. Algorri, **D. C. Zografopoulos**, A. Tapetado, D. Poudereux, and J. M. Sánchez-Pena, "Infiltrated photonic crystal fiber sensors," *Sensors*, vol. 18, art. no. 4263, 2018.
- [a.55] A. Ferraro, **D. C. Zografopoulos**, R. Caputo, and R. Beccherelli, "Guided-mode resonant narrowband terahertz filtering by periodic metallic stripe and patch arrays on cyclo-olefin substrates," *Scientific Reports*, vol. 8, art. no. 17272, 2018.
- [a.54] **D. C. Zografopoulos**, K. P. Prokopidis, A. Ferraro, L. Peters, M. Peccianti, and R. Beccherelli, "Numerical and experimental time-domain studies of terahertz conductive polymers based on the Drude-Smith model," *IEEE Photonics Technology Letters*, vol. 30, pp. 1579-1582, 2018.
- [a.53] A. Ferraro, **D. C. Zografopoulos**, M. A. Verschuuren, D. K. G. de Boer, F. Kong, H. P. Urbach, R. Beccherelli, and R. Caputo, "Directional emission of fluorescent dye-doped dielectric nanogratings for lighting applications," *ACS Materials and Interfaces*, vol. 10, pp. 24750-24757, 2018.
- [a.52] **D. C. Zografopoulos**, G. Sinatkas, E. Lotfi, L. Shahada, M. A. Swillam, E. E. Kriezis, and R. Beccherelli, "Amplitude modulation in infrared metamaterial absorbers based on electro-optically tunable conducting oxides," *Applied Physics A*, vol. 124, art. no. 105, 2018.
- [a.51] W. Fuscaldo, S. Tofani, **D. C. Zografopoulos**, P. Baccarelli, P. Burghignoli, R. Beccherelli, and A. Galli, "Systematic design of directive, efficient THz leaky-wave antennas based on homogenized metasurfaces," *IEEE Transactions on Antennas and Propagation*, vol. 66, pp. 1169-1178, 2018.
- [a.50] K. P. Prokopidis and **D. C. Zografopoulos**, "Generalized 3-D ADI-FDTD algorithm for the modelling of wave propagation in dispersive media," *Electronics Letters*, vol. 53, pp. 1242-1244, 2017.
- [a.49] **D. C. Zografopoulos**, E. E. Kriezis, and R. Beccherelli, "Design of tunable guided-mode resonance infrared filters in bistable liquid-crystal gratings," *IEEE Photonics Technology Letters*, vol. 29, pp. 1367-1370, 2017.
- [a.48] A. Ferraro, **D. C. Zografopoulos**, R. Caputo, and R. Beccherelli, "Angle-resolved and polarization-dependent investigation of cross-shaped frequency-selective surface terahertz filters," *Applied Physics Letters*, vol. 110, art. no. 141107, 2017.
- [a.47] W. Fuscaldo, S. Tofani, **D. C. Zografopoulos**, P. Baccarelli, P. Burghignoli, R. Beccherelli, and A. Galli, "Tunable Fabry-Perot cavity THz antenna based on leaky-wave propagation in nematic liquid crystals," *IEEE Antennas and Wireless Propagation Letters*, vol. 16, pp. 2046-2049, 2017.
- [a.46] A. Ferraro, **D. C. Zografopoulos**, R. Caputo, and R. Beccherelli, "Broad- and narrow-line terahertz filtering in frequency-selective surfaces patterned on thin polymer substrates," *IEEE Journal of Selected Topics on Quantum Electronics*, vol. 23, art. no. 8501308, 2017.
- [a.45] B. Vasić, **D. C. Zografopoulos**, G. Isić, R. Beccherelli, and R. Gajić, "Electrically tunable terahertz polarization converter based on metal-insulator-metal metamaterials infiltrated with liquid crystals," *Nanotechnology*, vol. 28, art. no. 124002, 2017. [Featured in the Highlights 2017 of the journal]
- [a.44] N. H. Fouad, A. O. Zaki, **D. C. Zografopoulos**, L. A. Shahada, R. Beccherelli, and M. Swillam, "Low power consumption hybrid plasmonic double microring and microring-on-disks electro-optical modulators," *Journal of Nanophotonics*, vol. 11, art. no. 016014, 2017.
- [a.43] S. M. Sherif, **D. C. Zografopoulos**, L. A. Shahada, R. Beccherelli, and M. Swillam, "Integrated plasmonic refractometric sensor using Fano resonance," *Journal of Physics D*, vol. 50, art. no. 055104, 2017.
- [a.42] G. Sinatkas, A. K. Pitolakis, **D. C. Zografopoulos**, R. Beccherelli, and E. E. Kriezis, "Transparent conducting oxide electro-optic modulators: A comprehensive study based on the drift-diffusion semiconductor model," *Journal of Applied Physics*, vol. 121, art. no. 023109, 2017.
- [a.41] K. P. Prokopidis and **D. C. Zografopoulos**, "Modeling plasmonic structures using LOD-FDTD methods with accurate dispersion models of metals at optical wavelengths," *Journal of Lightwave Technology*, vol. 35, pp. 193-200, 2017.

- [a.40] **D. C. Zografopoulos**, M. Swillam, and R. Beccherelli, "Electro-optic modulators based on hybrid plasmonic micro-ring-disk resonators with femtojoule switching energy," *Applied Physics A*, vol. 122, art. no. 1039, 2016.
- [a.39] A. Ferraro, **D. C. Zografopoulos**, R. Caputo, and R. Beccherelli, "Periodical elements as low-cost building blocks for tunable terahertz filters," *IEEE Photonics Technology Letters*, vol. 28, pp. 2459-2461, 2016.
- [a.38] A. Ferraro, **D. C. Zografopoulos**, M. Missori, M. Peccianti, R. Caputo, and R. Beccherelli, "Flexible terahertz wire grid polarizer with high extinction ratio and low loss," *Optics Letters*, vol. 41, pp. 2009-2012, 2016.
- [a.37] **D. C. Zografopoulos**, G. Isić, E. E. Kriezis, and R. Beccherelli, "A switchable circular polarizer based on zenithal bistable liquid crystal gratings," *Journal of Physics D*, vol. 49, art. no. 195104, 2016.
- [a.36] K. P. Prokopidis and **D. C. Zografopoulos**, "Time-domain numerical scheme based on low-order partial-fraction models for the broadband study of frequency-dispersive liquid crystals," *Journal of the Optical Society of America B*, vol. 33, pp. 622-629, 2016.
- [a.35] **D. C. Zografopoulos**, M. A. Swillam, L. A. Shahada, and R. Beccherelli, "Hybrid electro-optic plasmonic modulators based on directional coupler switches," *Applied Physics A*, vol. 122, art. no. 344, 2016.
- [a.34] **D. C. Zografopoulos**, M. A. Swillam, and R. Beccherelli, "Hybrid plasmonic modulators and filters based on electromagnetically-induced transparency," *IEEE Photonics Technology Letters*, Vol. 28, pp. 818-821, 2016.
- [a.33] **D. C. Zografopoulos** and R. Beccherelli, "Tunable terahertz fishnet metamaterials based on thin nematic liquid crystal layers for fast switching," *Scientific Reports*, Vol. 5, art. no. 13137, 2015.
- [a.32] **D. C. Zografopoulos**, K. P. Prokopidis, S. Tofani, O. Chojnowska, R. Dąbrowski, E. E. Kriezis, and R. Beccherelli, "An ADE-FDTD formulation for the study of liquid-crystal components in the terahertz spectrum," *Molecular Crystals and Liquid Crystals*, Vol. 619, pp. 49-60, 2015.
- [a.31] G. Isić, B. Vasić, **D. C. Zografopoulos**, R. Beccherelli, and R. Gajić, "Electrically tunable critically coupled terahertz metamaterial absorber based on nematic liquid crystals," *Physical Review Applied*, Vol. 3, art. no. 064007, 2015.
- [a.30] **D. C. Zografopoulos** and K. P. Prokopidis, "Transparent nanoprobe in integrated plasmonic circuitry based on plasmonic cloaking," *Physical Review Applied*, Vol. 2, art. no. 064009, 2014.
- [a.29] **D. C. Zografopoulos**, R. Beccherelli, and E. E. Kriezis, "Beam splitter switches based on zenithal bistable liquid-crystal gratings," *Physical Review E*, Vol. 90, art. no. 042503, 2014.
- [a.28] **D. C. Zografopoulos** and E. E. Kriezis, "Switchable beam steering with zenithal bistable liquid-crystal blazed gratings," *Optics Letters*, Vol. 39, No. 20, pp. 5842-5845, 2014.
- [a.27] K. P. Prokopidis and **D. C. Zografopoulos**, "An ADI-FDTD formulation with modified Lorentz dispersion for the study of plasmonic structures," *IEEE Photonics Technology Letters*, Vol. 26, No. 22, pp. 2267-2270, 2014.
- [a.26] K. P. Prokopidis and **D. C. Zografopoulos**, "Investigation of the stability of ADE-FDTD methods for modified Lorentz media," *IEEE Microwave and Wireless Components Letters*, Vol. 24, No. 10, pp. 659-661, 2014.
- [a.25] **D. C. Zografopoulos**, K. P. Prokopidis, R. Dąbrowski, and R. Beccherelli, "Time-domain modeling of dispersive and lossy liquid-crystals for terahertz applications," *Optical Materials Express*, Vol. 2, No. 3, pp. 449-457, 2014.
- [a.24] K. P. Prokopidis, **D. C. Zografopoulos**, and E. E. Kriezis, "Rigorous broadband investigation of liquid-crystal plasmonic structures using FDTD dispersive-anisotropic models," *Journal of the Optical Society of America B*, Vol. 30, No. 10, pp. 2722-2730, 2013.
- [a.23] **D. C. Zografopoulos**, A. K. Ptilakis, and E. E. Kriezis, "Dual-band electro-optic polarization switch based on dual-core liquid-crystal photonic crystal fibers," *Applied Optics*, Vol. 52, No. 26, pp. 6439-6444, 2013.

- [a.22] K. P. Prokopidis and **D. C. Zografopoulos**, "A Unified FDTD/PML scheme based on critical points for accurate studies of plasmonic structures," *Journal of Lightwave Technology*, Vol. 31, No. 15, pp. 2467-2476, 2013.
- [a.21] K. P. Prokopidis and **D. C. Zografopoulos**, "Efficient FDTD algorithms for dispersive Drude-critical points media based on bilinear z-transform," *Electronics Letters*, Vol. 49, No. 8, pp. 534-536, 2013.
- [a.20] **D. C. Zografopoulos** and R. Beccherelli, "Plasmonic variable optical attenuator based on liquid-crystal tunable stripe waveguide," *Plasmonics*, Vol. 8, No. 2, pp. 599-604, 2013.
- [a.19] **D. C. Zografopoulos** and R. Beccherelli, "Liquid-crystal tunable metal-insulator-metal plasmonic waveguides and Bragg resonators," *Journal of Optics*, Vol. 15, No. 5, art. no. 055009, 2013.
- [a.18] **D. C. Zografopoulos** and R. Beccherelli, "Liquid-crystal tunable long-range surface plasmon polariton directional coupler," *Molecular Crystals and Liquid Crystals*, Vol. 573, No. 1, pp. 70-76, 2013.
- [a.17] **D. C. Zografopoulos** and R. Beccherelli, "Long-range plasmonic directional coupler switches controlled by nematic liquid crystals," *Optics Express*, Vol. 21, No. 7, pp. 8240-8250, 2013.
- [a.16] O. Tsilipakos, **D. C. Zografopoulos**, and E. E. Kriezis, "Quasi-soliton pulse-train propagation in dispersion-managed silicon rib waveguides," *IEEE Photonics Technology Letters*, Vol. 25, No. 8, pp. 724-727, 2013.
- [a.15] **D. C. Zografopoulos** and R. Beccherelli, "Design of a vertically coupled liquid-crystal long-range plasmonic optical switch," *Applied Physics Letters*, Vol. 102, No. 10, art. no. 101103, 2013.
- [a.14] **D. C. Zografopoulos**, R. Beccherelli, A. C. Tasolamprou, and E. E. Kriezis, "Liquid-crystal tunable waveguides for integrated plasmonic components," *Photonics and Nanostructures – Fundamentals and Applications*, Vol. 11, No. 1, pp. 73-84, 2013.
- [a.13] **D. C. Zografopoulos**, R. Asquini, E. E. Kriezis, A. d'Alessandro, and R. Beccherelli, "Guided-wave liquid-crystal photonics," *Lab on a Chip*, Vol. 12, No. 19, pp. 3598-3610, 2012.
- [a.12] **D. C. Zografopoulos**, R. Beccherelli, and E. E. Kriezis, "Quasi-soliton propagation in dispersion-engineered silicon nanowires," *Optics Communications*, Vol. 285, pp. 3306-3311, 2012.
- [a.11] A. C. Tasolamprou, **D. C. Zografopoulos**, and E. E. Kriezis, "Liquid crystal-based dielectric loaded surface plasmon polariton optical switches," *Journal of Applied Physics*, Vol. 110, No. 9, art. no. 093102, 2011.
- [a.10] **D. C. Zografopoulos**, C. Vázquez, E. E. Kriezis, and T. V. Yioultsis, "Dual-core photonic crystal fibers for tunable polarization mode dispersion compensation," *Optics Express*, Vol. 19, No. 22, pp. 21680-21691, 2011.
- [a.09] A. K. Pitilakis, **D. C. Zografopoulos**, and E. E. Kriezis, "In-line polarization controller based on liquid-crystal photonic crystal fibers," *Journal of Lightwave Technology*, Vol. 29, No. 17, pp. 2560-2569, 2011.
- [a.08] A. C. Tasolamprou, B. Bellini, **D. C. Zografopoulos**, E. E. Kriezis, and R. Beccherelli, "Tunable optical properties of silicon-on-insulator photonic crystal slab structures," *Journal of the European Optical Society - Rapid publications*, Vol. 4, art. no. 09017, 2009.
- [a.07] **D. C. Zografopoulos** and E. E. Kriezis, "Tunable polarization properties of hybrid-guiding liquid-crystal photonic crystal fibers," *Journal of Lightwave Technology*, Vol. 27, No. 6, pp. 773-779, 2009.
- [a.06] A. C. Tasolamprou, M. Mitov, **D. C. Zografopoulos**, and E. E. Kriezis, "Theoretical and experimental studies of hyperreflective polymer-network cholesteric liquid crystal structures with helicity inversion," *Optics Communications*, Vol. 282, pp. 903-907, 2009.
- [a.05] **D. C. Zografopoulos** and E. E. Kriezis, "Tunable optical fiber polarization elements based on long-period gratings inscribed in birefringent microstructured fibers," *Journal of the Optical Society of America B*, Vol. 25, No. 1, pp. 111-118, 2008.
- [a.04] **D. C. Zografopoulos**, E. E. Kriezis, B. Bellini, and R. Beccherelli, "Tunable one-dimensional photonic crystal slabs based on preferential etching of silicon-on-insulator," *Optics Express*, Vol. 15, pp. 1832-1844, 2007.

- [a.03] **D. C. Zografopoulos**, E. E. Kriezis, and T. D. Tsiboukis, "[Tunable highly birefringent bandgap-guiding liquid-crystal microstructured fibers](#)," *Journal of Lightwave Technology*, Vol. 24, No. 9, pp. 3427-3432, 2006.
- [a.02] **D. C. Zografopoulos**, E. E. Kriezis, M. Mitov, and C. Binet, "[Theoretical and experimental optical studies of cholesteric liquid crystal films with thermally induced pitch gradients](#)," *Physical Review E*, Vol. 73, art. no. 061701, 2006.
- [a.01] **D. C. Zografopoulos**, E. E. Kriezis, and T. D. Tsiboukis, "[Photonic crystal-liquid crystal fibers for single-polarization or high-birefringence guidance](#)," *Optics Express*, Vol. 14, No. 2, pp. 914-925, 2006.

International Conferences

- [c.77] A. D'Arco, V. Mussi, S. Petrov, S. Tofani, M. Petrarca, R. Beccherelli, D. Dimitrov, V. Marinova, S. Lupi, and **D. C. Zografopoulos**, "Terahertz-transparent graphene electrodes on flexible cyclo-olefin substrates," International Conference on Materials, Imaging Methods and Applications (MIMA 2021), (Bansko, Bulgaria), 2022. [invited]
- [c.76] J. F. Algorri, F. Dell'Olio, P. Roldán-Varona, Luis Rodríguez-Cobo, J. M. López-Higuera, J. M. Sánchez-Pena, and **D. C. Zografopoulos**, "Electromagnetically induced transparency in square slotted dielectric metasurfaces supporting bound states in the continuum," IPC Annual Conference of the IEEE Photonics Society, Virtual Conference, 2021.
- [c.75] J. F. Algorri, F. Dell'Olio, P. Roldán-Varona, Luis Rodríguez-Cobo, J. M. López-Higuera, J. M. Sánchez-Pena, and **D. C. Zografopoulos**, "All-dielectric slot metasurfaces with ultra-high-Q resonances," CLEO Laser Science to Photonic Applications, JW1A.131, (San José, USA), 2021.
- [c.74] G. Isić, **D. C. Zografopoulos**, D. B. Stojanović, B. Vasić, and M. Belić, "Efficient beam steering with gradient metasurfaces," 13th Photonics Workshop, (Kopaonik, Serbia), 2020.
- [c.73] S. Tofani, **D. C. Zografopoulos**, and R. Beccherelli, "Diffractive lenses for high-resolution radiation focusing at 1 THz," Workshop on Spectroscopy and Imaging with THz Radiation Using Ultimate Radiation Sources, (Rome, Italy), 2019. [invited]
- [c.72] **D. C. Zografopoulos**, A. Ferraro, and R. Beccherelli, "Frequency selective surface and guided mode resonant filters for sub-terahertz applications," Workshop on Spectroscopy and Imaging with THz Radiation Using Ultimate Radiation Sources, (Rome, Italy), 2019. [invited]
- [c.71] **D. C. Zografopoulos**, A. Ferraro, and R. Beccherelli, "Narrowband transmission filters for sub-terahertz wireless communications," International Conference on Multifunctional materials and devices for photonics and optoelectronics, (Bansko, Bulgaria), 2019. [invited]
- [c.70] A. Ferraro, A. Tanga, **D. C. Zografopoulos**, G. Messina, M. Ortolani, and R. Beccherelli, "[Terahertz filter with flat-top transmission response](#)," 44th International Conference on Infrared, Millimeter, and Terahertz waves (IRMMW-THz), (Paris, France), ISBN: 978-1-5386-8285-2, 2019.
- [c.69] J. F. Algorri, **D. C. Zografopoulos**, A. Ferraro, R. Beccherelli, J. M. Sánchez-Pena, R. Vergaz, and B. García-Cámara, "Anapole modes in dielectric metasurfaces," International Conference on Electromagnetics in Advanced Applications, IEEE APWC 2019, (Granada, Spain), 2019.
- [c.68] J. F. Algorri, N. Bennis, **D. C. Zografopoulos**, V. Urruchi, P. Morawiak, L. Jaroszewicz, and J. M. Sánchez-Pena, "[Liquid crystal tunable beam steering for free-space optical communications](#)," OSA Advanced Photonics Congress (AP) 2019 (IPR, Networks, NOMA, SPPCom, PVLED) (San Francisco, USA), NeM2D.3, ISBN: 978-1-943580-64-4, 2019.
- [c.67] J. F. Algorri, **D. C. Zografopoulos**, A. Ferraro, V. Urruchi, R. Beccherelli, J. M. Sánchez-Pena, "[Liquid crystal active metasurface for ultra-selective wavelength switching](#)," OSA Advanced Photonics Congress (AP) 2019 (IPR, Networks, NOMA, SPPCom, PVLED), (San Francisco, USA), NoW3B.5, ISBN: 978-1-943580-64-4, 2019.
- [c.66] J. F. Algorri, N. Bennis, **D. C. Zografopoulos**, V. Urruchi, P. Morawiak, L. Jaroszewicz, and J. M. Sánchez-Pena, "2D tunable diffraction grating based on liquid crystal materials," International Conference on Advanced Materials Science and Engineering (Honolulu, USA), 2019.

- [c.65] B. Vasić, G. Isić, R. Gajić, R. Beccherelli, and **D. C. Zografopoulos**, "Liquid crystal based tunable metasurfaces for beam steering at terahertz frequencies," VII International School and Conference on Photonics, (Belgrade, Serbia), ISBN: 978-86-7306-153-5, OMP.2, p. 165, 2019.
- [c.64] J. F. Algorri, **D. C. Zografopoulos**, A. Ferraro, P. Martín-Mateos, B. García-Cámara, A. Moreno-Oyervides, V. Krozer, P. Acedo, R. Beccherelli, J. M. Sánchez-Pena, and R. Vergaz, "All-dielectric metasurfaces with toroidal mode resonances at sub-THz," 13th International Congress on Artificial Materials for Novel Wave Phenomena – Metamaterials 2019, (Rome, Italy), ISBN: 978-1-7281-0477-5, 2019.
- [c.63] **D. C. Zografopoulos**, J. F. Algorri, A. Ferraro, B. García-Cámara, J. M. Sánchez-Pena, and R. Beccherelli, "Microwave waveguides loaded with dielectric metasurfaces," 13th International Congress on Artificial Materials for Novel Wave Phenomena – Metamaterials 2019, (Rome, Italy), ISBN: 978-1-7281-0477-5, 2019.
- [c.62] J. F. Algorri, **D. C. Zografopoulos**, A. Ferraro, B. García-Cámara, R. Vergaz, R. Beccherelli, and J. M. Sánchez-Pena, "Ultrahigh-Q dielectric metasurface for polarization conversion," SPIE Metamaterials, Metadevices, and Metasystems 2019, (San Diego, USA), art. no. 11080-2O, 2019.
- [c.61] S. Tofani, W. Fuscaldo, **D. C. Zografopoulos**, P. Burghignoli, P. Baccarelli, R. Beccherelli, and A. Galli, "Terahertz modal analysis of a grounded liquid-crystal cell and its application as a tunable cavity antenna," 41st Progress In Electromagnetics Research Symposium, (Rome, Italy), pp. 2460-2464, 2019.
- [c.60] G. Ducournau, A. Ferraro, **D. C. Zografopoulos**, R. Beccherelli, "Frequency selective surfaces for terahertz filtering," 41st Progress In Electromagnetics Research Symposium, (Rome, Italy), 2019.
- [c.59] G. Isić, G. Sinatkas, **D. C. Zografopoulos**, B. Vasić, A. Ferraro, R. Beccherelli, E. E. Kriezis, and M. Belić, "Terahertz modulation by Schottky junction in metal-semiconductor-metal microcavities," 21st International Conference on Transparent Optical Networks ICTON 2019, (Angers, France), ISBN: 978-1-7281-2779-8, Fr.D1.4, 2019.
- [c.58] S. Tofani, W. Fuscaldo, **D. C. Zografopoulos**, P. Burghignoli, P. Baccarelli, R. Beccherelli, and A. Galli, "Design-flow of Fabry-Perot cavity leaky-wave antennas based on homogenized metasurfaces," 13th European Conference on Antennas and Propagation, (Krakow, Poland), ISBN: 978-88-907018-8-7, 2019.
- [c.57] V. Martorelli, M. Bandinelli, E. Martini, G. Minatti, F. Caminita, S. Maci, G. Giordanengo, V. Sozio, G. Vecchi, A. Ferraro, **D. C. Zografopoulos**, R. Beccherelli, and G. Toso, "Low profile phased array with hybrid digital/liquid crystal phase shifters for mobile Ka-band satcom," 39th ESA Antenna Workshop on Innovative Antenna Systems and Technologies for Future Space Missions (Noordwijk, The Netherlands), 2-5 October 2018.
- [c.56] J. F. Algorri, **D. C. Zografopoulos**, N. Bennis, J. M. Sánchez-Pena, and R. Beccherelli, "Active metasurface at THz based on liquid crystals," 12th Conference on Liquid Crystals, (Jastrzębia Góra, Poland), 2018.
- [c.55] J. F. Algorri, B. García-Cámara, **D. C. Zografopoulos**, R. Vergaz, J. M. Sánchez-Pena, and R. Beccherelli, "All-dielectric anapole metasurface based on cubic nanoparticles," 40th Progress In Electromagnetics Research Symposium, (Toyama, Japan), 2018.
- [c.54] J. F. Algorri, B. García-Cámara, **D. C. Zografopoulos**, V. Urruchi, J. M. Sánchez-Pena, and R. Beccherelli, "All-dielectric active metasurface based on liquid crystals," 40th Progress In Electromagnetics Research Symposium, (Toyama, Japan), 2018.
- [c.53] **D. C. Zografopoulos**, G. Isić, B. Vasić, A. Ferraro, G. Sinatkas, E. E. Kriezis, R. Gajić, and R. Beccherelli, "Electrically tunable solid-state terahertz metamaterial absorbers," 12th International Congress on Artificial Materials for Novel Wave Phenomena – Metamaterials 2018, (Espoo, Finland), ISBN: 978-1-5386-4702-8, pp. 471-473, 2018.
- [c.52] S. Tofani, W. Fuscaldo, **D. C. Zografopoulos**, P. Baccarelli, P. Burghignoli, R. Beccherelli, and A. Galli, "Spatial dispersion analysis of homogenized metasurfaces for terahertz leaky-wave antennas," 12th European Conference on Antennas and Propagation, (London, UK), 2018.

- [c.51] A. Ferraro, **D. C. Zografopoulos**, R. Caputo, and R. Beccherelli, "Narrow and broad band terahertz transmission filters," 3rd European Optical Society Topical Meeting on Optics at the Nanoscale (Capri, Italy), 2017.
- [c.50] A. Ferraro, **D. C. Zografopoulos**, R. Caputo, and R. Beccherelli, "Terahertz narrowband transmission filters based on guided mode resonant metallic gratings," VI International School and Conference on Photonics, (Belgrade, Serbia), ISBN: 978-86-82441-46-5, D.C.10, 2017.
- [c.49] **D. C. Zografopoulos**, E. E. Kriezis, and R. Beccherelli, "Switchable photonic components based on zenithal-bistable nematic liquid crystal gratings," IEEE Photonics Conference (Florida, USA), ISBN: 978-1-5090-6578-3, 2017.
- [c.48] A. Ferraro, R. Caputo, **D. C. Zografopoulos**, and R. Beccherelli, "Terahertz frequency-selective surface and guided-mode resonance filters," IEEE Photonics Conference (Florida, USA), ISBN: 978-1-5090-6578-3, 2017.
- [c.47] N. H. Fouad, A. O. Zaki, **D. C. Zografopoulos**, L. A. Shahada, R. Beccherelli, and M. Swillam, "Hybrid plasmonic conductor-gap-silicon microring-on-disks electro-optic modulator," 2017 International Applied Computational Electromagnetics Society Symposium - Italy (ACES), ISBN: 978-0-9960078-3-2, 2017.
- [c.46] A. Ferraro, **D. C. Zografopoulos**, R. Caputo, and R. Beccherelli, "Terahertz polarizing component on cyclo-olefin polymer," Photonics Letters of Poland, Vol. 9, pp. 2-4, 2017 (Special Issue on the Proceedings of the COST IC1208 Action).
- [c.45] **D. C. Zografopoulos**, G. Sinatkas, E. Lotfi, L. A. Shahada, M. A. Swillam, E. E. Kriezis, and R. Beccherelli, "Infrared tunable absorbers based on electro-optically controlled conducting oxides," 8th International Conference on Metamaterials, Photonic Crystals, and Plasmonics, (Seoul, South Korea), 2017.
- [c.44] W. Fuscaldo, S. Tofani, **D. C. Zografopoulos**, P. Baccarelli, P. Burghignoli, R. Beccherelli, and A. Galli, "A reconfigurable multilayered THz leaky-wave antenna employing liquid crystals," 11th European Conference on Antennas and Propagation, (Paris, France), ISBN: 978-8-8907-0187-0, ISBN: 978-1-4673-8485-8, 2017.
- [c.43] S. Tofani, **D. C. Zografopoulos**, M. Missori, and R. Beccherelli, "Polymeric zone plates for THz focusing," 41st International Conference on Infrared, Millimeter, and Terahertz waves (IRMMW-THz), (Copenhagen, Denmark), ISBN: 978-1-4673-8485-8, 2016.
- [c.42] **D. C. Zografopoulos**, A. Ferraro, G. Isić, B. Vasić, R. Gajić, and R. Beccherelli, "Tunable terahertz metamaterials based on nematic liquid crystals," 41st International Conference on Infrared, Millimeter, and Terahertz waves (IRMMW-THz), (Copenhagen, Denmark), ISBN: 978-1-4673-8485-8, 2016.
- [c.41] A. Ferraro, **D. C. Zografopoulos**, M. Missori, M. Peccianti, R. Caputo, and R. Beccherelli, "Terahertz polarizer on flexible and conformal substrate," 41st International Conference on Infrared, Millimeter, and Terahertz waves (IRMMW-THz), (Copenhagen, Denmark), ISBN: 978-1-4673-8485-8, 2016.
- [c.40] A. Ferraro, **D. C. Zografopoulos**, R. Caputo, and R. Beccherelli, "Mechanically tunable Bragg filters for terahertz applications," 41st International Conference on Infrared, Millimeter, and Terahertz waves (IRMMW-THz), (Copenhagen, Denmark), 2016.
- [c.39] K. P. Prokopidis, **D. C. Zografopoulos**, C. Kalialakis, and A. Georgiadis, "Improved propagation modeling in ultra-wideband indoor communication systems utilizing vector fitting technique of the dielectric properties of building materials," 27th Annual IEEE International Symposium on Personal, Indoor, and Mobile Radio Communications – PIMRC: Fundamentals and Physics, (Valencia, Spain), 2016.
- [c.38] **D. C. Zografopoulos**, M. A. Swillam, L. A. Shahada, and R. Beccherelli, "Hybrid plasmonic directional coupler switches and modulators," 7th International Conference on Metamaterials, Photonic Crystals and Plasmonics, (Malaga, Spain), 2016. [invited]
- [c.37] **D. C. Zografopoulos**, M. A. Swillam, and R. Beccherelli, "Hybrid plasmonic add-drop filter based on novel micro-ring-disk resonators with fJ switching energy," 7th International Conference on Metamaterials, Photonic Crystals and Plasmonics, (Malaga, Spain), 2016. [invited]

- [c.36] **D. C. Zografopoulos**, G. Isić, B. Vasić, R. Gajić, and R. Beccherelli, "Reconfigurable THz metamaterials based on nematic liquid crystals," 7th International Conference on Metamaterials, Photonic Crystals and Plasmonics, (Malaga, Spain), 2016. [invited]
- [c.35] G. Sinatkas, **D. C. Zografopoulos**, A. K. Pitiakis, R. Beccherelli, and E. E. Kriezis, "Transparent conducting oxide electro-optic modulators: a study based on the Drift-Diffusion semiconductor model," 18th European Conference on Integrated Optics (Warsaw, Poland), art. no. o-27 2016.
- [c.34] A. O. Zaki, N. H. Fouad, **D. C. Zografopoulos**, R. Beccherelli, and M. A. Swillam, "Low-power compact hybrid plasmonic double-microring electro-optical modulator," SPIE Photonics West, Integrated Optical Components and Materials XIII (San Francisco, USA), art. no. 97441K 2016.
- [c.33] S. Sherif, **D. C. Zografopoulos**, L. Shahada, R. Beccherelli, and M. A. Swillam, "Near infrared plasmonic sensor based on Fano resonance," SPIE Photonics West, Integrated Optics: Devices, Materials, and Technologies XX (San Francisco, USA), art. no. 97500F, 2016.
- [c.32] **D. C. Zografopoulos**, M. A. Swillam, and R. Beccherelli, "Hybrid plasmonic modulators based on electro-optic polymers," 6th European Optical Society Topical Meeting on Optical Microsystems (Capri, Italy), 2015.
- [c.31] **D. C. Zografopoulos**, A. Ferraro, G. Isić, B. Vasić, R. Gajić, and R. Beccherelli, "Liquid-crystal tunable terahertz metamaterials and absorbers," 6th European Optical Society Topical Meeting on Optical Microsystems (Capri, Italy), 2015.
- [c.30] G. Isić, **D. C. Zografopoulos**, R. Beccherelli, V. Milošević, B. Jokanović, and R. Gajić, "Liquid crystal reflection modulators based on coupled terahertz resonant cavities," V International School and Conference on Photonics, (Belgrade, Serbia), art. no. P.DC.10, p. 123, 2015.
- [c.29] **D. C. Zografopoulos**, M. A. Swillam, L. Shahada, and R. Beccherelli, "Hybrid electro-optical plasmonic modulators and switches for integrated optical signal processing," 6th International Conference on Metamaterials, Photonic Crystals and Plasmonics, (New York, USA), 2015. [invited]
- [c.28] **D. C. Zografopoulos**, K. P. Prokopidis, E. E. Kriezis, and R. Beccherelli, "Time-domain modeling of dispersive and lossy liquid-crystals," 5th International Workshop on Liquid Crystals for Photonics, (Erice, Italy), 2014.
- [c.27] **D. C. Zografopoulos**, R. Beccherelli, and E. E. Kriezis, "Zenithal bistable liquid-crystal gratings as tunable beam splitters," 5th International Workshop on Liquid Crystals for Photonics, (Erice, Italy), 2014.
- [c.26] **D. C. Zografopoulos** and R. Beccherelli, "Tunable metamaterials based on nematic liquid crystals," 5th International Workshop on Liquid Crystals for Photonics, (Erice, Italy), 2014. [invited]
- [c.25] G. Isić, B. Vasić, C., **D. C. Zografopoulos**, R. Beccherelli, and R. Gajić, "Liquid-crystal tunable critically-coupled terahertz metamaterial absorbers," 5th International Workshop on Liquid Crystals for Photonics, (Erice, Italy), 2014.
- [c.24] **D. C. Zografopoulos**, A. Pitiakis, E. E. Kriezis, "Liquid-crystal tunable photonic crystal fiber polarization switch," 12th European Conference on Liquid Crystals ECLC 2013 (Rhodes, Greece), 2013.
- [c.23] **D. C. Zografopoulos** and R. Beccherelli, "Liquid-crystal long-range plasmonic switches," 12th European Conference on Liquid Crystals ECLC 2013 (Rhodes, Greece), 2013.
- [c.22] **D. C. Zografopoulos** and R. Beccherelli, "Long-range plasmonic electro-optic directional coupler switches," 5th European Optical Society Topical Meeting on Optical Microsystems (Capri, Italy), 2013.
- [c.21] **D. C. Zografopoulos** and R. Beccherelli, "Long-range plasmonic electro-optic switches," 20th Conference on Liquid Crystals, (Mikołajki, Poland), 2013. [invited]
- [c.20] **D. C. Zografopoulos** and R. Beccherelli, "Liquid-crystal tunable long-range surface plasmon polariton waveguides and directional couplers," 11th Mediterranean Workshop and Topical Meeting "Novel optical materials and applications", June 10-15, Cetraro, Italy, 2013. [invited]
- [c.19] O. Tsilipakos, **D. C. Zografopoulos**, and E. E. Kriezis, "Soliton-Like Propagation in Dispersion-Managed Silicon Nanowaveguides," European Conference on Lasers and Electro-Optics and XIIIth International Quantum Electronics Conference CLEO/EUROPE - IQEC, (Munich, Germany), 2013.

- [c.18] **D. C. Zografopoulos** and R. Beccherelli, "[Liquid-crystal tunable plasmonic stripe directional coupler switches](#),"SPIE Europe 2013, Microtechnologies for the New Millenium, (Grenoble, France), art. no. 876712, 2013.
- [c.17] **D. C. Zografopoulos** and R. Beccherelli, "Liquid-crystal tunable long-range surface plasmon polariton waveguides and directional couplers,"4th International Conference on Metamaterials, Photonic Crystals and Plasmonics, (Dubai, UAE), 2013. [invited]
- [c.16] **D. C. Zografopoulos**, R. Asquini, E. E. Kriezis, A. d'Alessandro, and R. Beccherelli, "Guided-Wave Liquid-Crystal Photonics,"4th Workshop on Liquid Crystals for Photonics (Hong Kong), 2012. [invited]
- [c.15] R. Beccherelli and **D. C. Zografopoulos**, "[Long-range plasmonic waveguides controlled by nematic liquid crystals](#),"2012 IEEE Photonics Conference, (San Francisco, CA, USA), pp. 684-685, ISBN: 978-1-4577-0733-9, 2012.
- [c.14] **D. C. Zografopoulos**, R. Beccherelli, and E. E. Kriezis, "Quasi-soliton formation in silicon nanowires with engineered dispersion profile,"EOS Annual Meeting 2012 (Aberdeen, Scotland, UK), ISBN 978-3-9815022-4-4, 2012.
- [c.13] R. Beccherelli and **D. C. Zografopoulos**, "Tunable liquid-crystal long-range plasmonic stripe waveguides,"EOS Annual Meeting, (Aberdeen, Scotland, UK), ISBN 978-3-9815022-4-4, 2012.
- [c.12] **D. C. Zografopoulos** and C. Vázquez, "Microstructured polymer optical fiber Bragg grating sensors for fuel quality control,"20th International Conference on Plastic Optical Fibers, (Bilbao, Spain), pp. 257-262, 2011.
- [c.11] A. C. Tasolamprou, M. Mitov, **D. C. Zografopoulos**, and E. E. Kriezis, "Hyperreflective polymer-stabilized cholesteric LCs,"13th Topical Meeting on the Optics of Liquid Crystals OLC 2009 (Erice, Italy), 2009.
- [c.10] M. Mitov, N. Dessaud, A. C. Tasolamprou, **D. C. Zografopoulos**, and E. E. Kriezis, "Going beyond the reflectance limit of cholesteric liquid crystals: experimental and theoretical investigations,"ESF Workshop on Frontiers in European Research on Liquid Crystalline Soft Matter, (Bandol, France), 2009.
- [c.09] R. Beccherelli, B. Bellini, A. C. Tasolamprou, **D. C. Zografopoulos**, and E. E. Kriezis, "Tunable optical properties of three-dimensional silicon-on-insulator photonic crystal slab structures,"2nd International Workshop on Liquid Crystals for Photonics, (Cambridge, UK), PA 4, pp. 83-84, 2008.
- [c.08] A. C. Tasolamprou, B. Bellini, **D. C. Zografopoulos**, E. E. Kriezis, and R. Beccherelli, "Tunable optical properties of three-dimensional silicon-on-insulator photonic crystal slab structures,"First Mediterranean Photonics Conference MedPhoton 2008 (Ischia, Italy), pp. 110-112, 2008.
- [c.07] **D. C. Zografopoulos** and E. E. Kriezis, "[Polarization properties of liquid-crystal infiltrated photonic crystal fibers](#),"IEEE International Conference on Transparent Optical Networks ICTON 2008 (Athens, Greece), art. no. Mo.B2.5, pp. 12-16 (vol II), 2008. [invited]
- [c.06] **D. C. Zografopoulos**, E. E. Kriezis, and T. D. Tsiboukis, "Polarization properties of hybrid-guiding liquid-crystal microstructured fibers,"IEEE Conference on Electromagnetic Field Computation CEFC 2008 (Athens, Greece), PA4-13, pp. 66, 2008.
- [c.05] **D. C. Zografopoulos**, E. E. Kriezis, B. Bellini, and R. Beccherelli, "[Tunable one-dimensional photonic crystal slabs](#),"SPIE Microtechnologies for the New Millennium 2007 (Gran Canaria, Spain), 2007. Proceedings of SPIE Vol. 6593 Photonic Materials, Devices, and Applications II, (Edited by A. Serpengüzel, G. Badenes, G. Righini) 659314 2007 [invited]
- [c.04] **D. C. Zografopoulos**, E. E. Kriezis, and T. D. Tsiboukis, "Optical Fiber Polarization Elements based on Long-Period-Gratings in Photonic Crystal Fibers,"15th International Workshop on Optical Waveguide Theory and Numerical Modelling OWTNM 2007 (Copenhagen, Denmark), pp. 24, 2007.
- [c.03] M. Mitov, **D. C. Zografopoulos**, E. E. Kriezis, and C. Binet, "Theoretical and experimental analysis of cholesteric broadband reflectors with thermally induced pitch gradients,"21st International Liquid Crystal Conference ILCC'2006 (Colorado, USA), OPTIP-4, 2006.

- [c.02] **D. C. Zografopoulos** and E. E. Kriezis, "Polarisation-maintaining and highly-birefringent liquid-crystal photonic crystal fibers," International Conference on Transparent Optical Networks (Nottingham, UK), We.P.13, Vol. IV, p. 255, 2006.
- [c.01] **D. C. Zografopoulos**, E. E. Kriezis, and T. D. Tsiboukis, "Single-polarization and controllable birefringence guidance in liquid-crystal microstructured fibers," 14th International Workshop on Optical Waveguide Theory and Numerical Modelling OWTNM 2006 (Varese, Italy), p. 58, 2006.

■ National Conferences

- [n.16] A. Ferraro, A. Tanga, **D. C. Zografopoulos**, G. Messina, M. Ortolani, and R. Beccherelli, "Terahertz filter with flat-top transmission response," Plasmonica 2019 - Workshop Nazionale di Plasmonica e Applicazioni, (Rome, Italy), 2019.
- [n.15] A. Ferraro, **D. C. Zografopoulos**, M. A. Verschuuren, D. K. G. de Boer, F. Kong, H. P. Urbach, R. Beccherelli, and R. Caputo "Photoluminescent nanograting for lighting application," Plasmonica 2019 – Workshop Nazionale di Plasmonica e Applicazioni, (Rome, Italy), p. XX, 2019.
- [n.14] A. Ferraro, **D. C. Zografopoulos**, R. Caputo, and R. Beccherelli, "Terahertz guided-mode resonant filtering components," Fotonica – 20o Convegno Italiano delle Tecnologie Fotoniche, (Lecce, Italy) 2018.
- [n.13] W. Fuscaldo, S. Tofani, P. Burghignoli, P. Baccarelli, **D. C. Zografopoulos**, R. Beccherelli, and A. Galli, "Reconfigurable Fabry-Perot cavity leaky-wave antennas based on nematic liquid crystals for THz applications," XXI Riunione Nazionale di Elettromagnetismo, (Parma, Italy), 2016.
- [n.12] A. Ferraro, **D. C. Zografopoulos**, M. Missori, M. Peccianti, R. Caputo, and R. Beccherelli, "Flexible terahertz wire grid polarizers with high extinction ratio and low loss," Fotonica – 18o Convegno Italiano delle Tecnologie Fotoniche, (Rome, Italy) 2016.
- [n.11] **D. C. Zografopoulos**, G. Isić, B. Vasić, R. Gajić, and R. Beccherelli, "Tunable terahertz metamaterials based on nematic liquid crystals," Fotonica – 18o Convegno Italiano delle Tecnologie Fotoniche, (Rome, Italy) 2016.
- [n.10] S. M. Sherif, L. Shahada, **D. C. Zografopoulos**, R. Beccherelli, and M. Swillam, "On-chip novel optical modulator," Qatar University Annual Research Forum, 2015.
- [n.09] **D. C. Zografopoulos** and R. Beccherelli, "Liquid-crystal tuneable plasmonic devices," SICL 2014 – 11o Congresso Nazionale Società Italiana Cristalli Liquidi, (Ravena, Italy), 2014.
- [n.08] **D. C. Zografopoulos** and R. Beccherelli, "Gap plasmon waveguides and filters tuned by nematic liquid crystals," Plasmonica 2014 – Workshop Nazionale di Plasmonica e Applicazioni, (Rome, Italy), p. XX, 2014.
- [n.07] **D. C. Zografopoulos** and R. Beccherelli, "Liquid-crystal tunable plasmonic switches," Plasmonica 2014 – Workshop nazionale di Plasmonica e Applicazioni, (Rome, Italy), 2014.
- [n.06] **D. C. Zografopoulos** and R. Beccherelli, "Liquid-crystal tunable fishnet terahertz metamaterials," Fotonica – 16o Convegno Italiano delle Tecnologie Fotoniche, (Napoli, Italy), 2014.
- [n.05] **D. C. Zografopoulos** and R. Beccherelli, "Liquid-crystal tunable plasmonic switches," Fotonica – 16o Convegno Italiano delle Tecnologie Fotoniche, (Napoli, Italy), p. XX, 2014.
- [n.04] **D. C. Zografopoulos** and R. Beccherelli, "Liquid-crystal tunable long-range surface plasmon polariton components," SICL 2012 – 10o Congresso Nazionale Società Italiana Cristalli Liquidi, (Rome, Italy), p. 29, 2012.
- [n.03] **D. C. Zografopoulos** and C. Vázquez, "Dual-core photonic crystal fibers for tunable polarization mode dispersion compensation," OPTOEL11 – VII Reunión Española de Optoelectrónica, (Santander, Spain), S1-5, 2011.
- [n.02] R. Beccherelli, B. Bellini, **D. C. Zografopoulos**, A. C. Tasolamprou, and E. E. Kriezis, "Sensore fotonico ultracompatto basato su cristallo fotonico di silicio," Elettroottica 2008 – 10o Convegno Nazionale Strumentazione e metodi di misura elettroottici, (Milan, Italy), 2008.

- [n.01] R. Beccherelli, B. Bellini, **D. C. Zografopoulos**, A. C. Tasolamprou, and E. E. Kriezis, "Lamina a band gap fotonico unidimensionale sintonizzabile basata su microlavorazione del silicio," Fotonica – 10o Convegno Nazionale sulle Tecniche Fotoniche nelle Telecomunicazioni, (Mantova, Italy), pp. 437–441, 2007.

Other talks and presentations

- [t.06] Ferraro, **D. C. Zografopoulos**, R. Caputo, and R. Beccherelli, "Narrowband terahertz transmission filters based on guided mode resonant gratings," COST Action IC1208, 9th Management Committee Meeting, University of Luxembourg, 17th March 2017.
- [t.05] **D. C. Zografopoulos**, B. Vasić, G. Isić, R. Gajić, and R. Beccherelli, "Design of liquid-crystal tunable metamaterial polarization rotators for terahertz applications," COST Action IC1208, 8th Management Committee Meeting, Warsaw Military University, 9th September 2016.
- [t.04] A. Ferraro, **D. C. Zografopoulos**, M. Missori, M. Peccianti, R. Caputo, and R. Beccherelli, "Low-loss flexible terahertz polarizers with high extinction ratio," COST Action IC1208, 7th Management Committee Meeting, Vilnius University, 15th April 2016.
- [t.03] **D. C. Zografopoulos**, "Liquid-crystal tunable devices: from fiber optics to terahertz metamaterials," Institute of Electronic Structure and Lasers, Foundation for Research and Technology - Hellas, February 2016. [invited]
- [t.02] **D. C. Zografopoulos**, R. Beccherelli, and E. E. Kriezis, "Zenithal bistable liquid-crystal gratings as tunable beam splitters," COST Action IC1208, 5th Management Committee Meeting, Bilkent Universtiy, 27th March 2015.
- [t.01] **D. C. Zografopoulos**, "Liquid-crystal tunable photonic components," University of Belgrade, Institute for Physics, June 2014. [invited]