

## List of Publications – Aldo De Sabata

### 2021

[2021\_01\_M] A-M. Silaghi, A. De Sabata and L. Matekovits, "Single-Layered Frequency Selective Surface for Polarization Processing by Transmission Through Elementary Simple Structure Unit Cell Array," in IEEE Access, vol. 9, pp. 30615-30625, 2021, doi: 10.1109/ACCESS.2021.3060155.

### 2020

[20\_01\_M] Andrei Silaghi, Aldo De Sabata, Adrian Graur, Radu Fechet, "Simulation of Surge Pulse Generator and Applications in Automotive Immunity Testing", 15<sup>th</sup> International Conference on Development and Application Systems (DAS), May 21-23 2020, Suceava, Romania, pp. 117-120, 2020 DOI: 10.1109/DAS49615.2020.9108951 WOS:000589776100021 ISBN:978-1-7281-6870-8

[20\_02\_M] Octavian Pacurar, Andrei Silaghi, Cornel Balint, Aldo De Sabata, Adrian Graur, "Experiments Concerning the Spectrum Structure Inside an Automotive EMC Laboratory", 15<sup>th</sup> International Conference on Development and Application Systems (DAS), May 21-23 2020, Suceava, Romania, DOI: 10.1109/DAS49615.2020.9108909, pp. 133-136, 2020 (IEEE Xplore), WOS:000589776100024 ISBN:978-1-7281-6870-8

[20\_03\_M] Octavian Pacurar, Andrei Silaghi, Aldo De Sabata "Measurement and Simulation of Electrostatic Discharge in the Automotive Industry ", 13th International Conference on Communications (COMM), 18-20 June 2020, Bucharest, Romania, pp. 443-446, 2020, DOI: 10.1109/COMM48946.2020.9142012 (IEEE Xplore)

[20\_04\_M] Adrian Buta, Andrei Silaghi, Aldo De Sabata, Ladislau Matekovits "Multiple-Notch Frequency Selective Surface for Automotive Applications ", 13th International Conference on Communications (COMM), 18-20 June 2020, Bucharest, Romania, pp. 439-442, 2020, DOI: 10.1109/COMM48946.2020.9142001 (IEEE Xplore),

[20\_05\_M] A. -M. Silaghi, A. De Sabata and L. Matekovits, "Multi Wide-Band Frequency Selective Surface for Automotive Applications," 2020 IEEE International Symposium on Antennas and Propagation and North American Radio Science Meeting, Montreal, QC, Canada, 2020, pp. 1-2, doi: 10.1109/IEEECONF35879.2020.9330375.

[20\_06\_M] Andrei Silaghi, Aldo De Sabata, "Analysis of Radiated Immunity of an Automotive Display by means of Simulation and Testing", 43rd International Conference on Telecommunications and Signal Processing (TSP), July 7-9 2020, Milano, Italy, pp. 73-76, 2020, DOI: 10.1109/TSP49548.2020.9163478 (IEEE Xplore) WOS:000577106400017, ISBN:978-1-7281-6376-5,

[20\_07\_M] A. -M. Silaghi, F. Mueller, A. De Sabata, A. -P. Buta and P. -M. Nicolae, "Analysis of Shielding Effectiveness of an Automotive Display through Simulation and Testing," 2020

International Symposium on Electromagnetic Compatibility - EMC EUROPE, Rome, Italy, 2020, pp. 1-4, doi: 10.1109/EMCEUROPE48519.2020.9245677.

[20\_08\_M] Andrei Silaghi, Aldo De Sabata, "EMC Simulation of an Automotive Ethernet Interface", 14<sup>th</sup> International Symposium on Electronics and Telecommunications, ISETC, Nov. 05-06, 2020, Timisoara, Romania, pp. 103-106, 2020, DOI: 10.1109/ISETC50328.2020.9301147 WOS:000612681000027, ISBN:978-1-7281-8921-5, ISSN: 2475-787X

[20\_09\_M] Adrian Buta, Andrei Silaghi, Aldo De Sabata, Ladislau Matekovits, "LTE Band Filtering Applications of a Fractal based Frequency Selective Surface", 14<sup>th</sup> International Symposium on Electronics and Telecommunications, ISETC, Nov. 05-06, 2020, Timisoara, Romania, pp. 99-102, 2020, DOI: 10.1109/ISETC50328.2020.9301038 WOS:000612681000026, ISBN:978-1-7281-8921-5, ISSN: 2475-787X

[20\_10\_M] A. -O. Neiconi, O. -T. Pacurar and A. De Sabata, "EMC Characteristics of Helical Antennas used in Automotive Testing," 2020 International Symposium on Electronics and Telecommunications (ISETC), Timisoara, Romania, 2020, pp. 1-4, doi: 10.1109/ISETC50328.2020.9301089., WOS:000612681000035 ISBN:978-1-7281-8921-5 ISSN: 2475-787X.

[20\_11\_M] Octavian Pacurar, Cornel Balint, Cora Iftode, Andrei Silaghi, Aldo De Sabata, "Spectrum Occupancy Measurements in the Wi-Fi Band with a PCB Antenna", 14<sup>th</sup> International Symposium on Electronics and Telecommunications, ISETC Nov. 05-06, 2020, Timisoara, Romania, pp. 143-146, 2020, DOI: 10.1109/ISETC50328.2020.9301063 WOS:000612681000036, ISBN:978-1-7281-8921-5 ISSN: 2475-787X .

[20\_12\_M] A. -M. Silaghi, F. Berinde, C. Bleoju and A. De Sabata, "EMC Simulation of Conducted Emissions Produced by a DC- DC converter," 2020 IEEE 26<sup>th</sup> International Symposium for Design and Technology in Electronic Packaging (SIITME), Pitesti, Romania, 2020, pp. 440-443, doi: 10.1109/SIITME50350.2020.9292237.

[20\_13\_M] Cornel Balint, Aldo De Sabata, Teodor-Octavian Păcurar, Paul Bechet, "Markov model for HF joint spectrum occupancy at two distant locations", International Conference KNOWLEDGE-BASED ORGANIZATION, 11-13 June, Sibiu, Romania Vol. XXVI, No. 3, pp. 33-38, 2020 DOI: 10.2478/kbo-2020-0000

## **2019**

[19\_01\_M] Ladislau Matekovits, Aldo De Sabata, Andrei-Marius Silaghi, "Frequency Selective Surface With Two Quasi-Independent Notch Frequencies", IEEE ACCESS, vol. 7, pp. 77261-77267, 2019, WOS:000473635600001, ISSN: 2169-3536, DOI: [10.1109/ACCESS.2019.2921525](https://doi.org/10.1109/ACCESS.2019.2921525)

[19\_02\_E] Ioan Luminosu, Aldo De Sabata, Dumitru Toader, Dan Mărgineanu, Simona Ilie, "Conception of a Master Degree Program in Solar Energy: Infrastructure, Structure and Results", Environmental Engineering and Management Journal, Vol. 18, Issue: 2, pp. 291-300, Feb. 2019, WOS:000463655200003, ISSN: 1582-9596, eISSN: 1843-3707

[19\_03\_M] Cornel Balint, Aldo De Sabata, "Markov Model for HF Spectrum Occupancy", 14th International Symposium on Signals, Circuits and Systems (ISSCS), Iasi, Romania, pp. 1-4, Jul. 11-12, 2019, WOS:000503459500047, ISBN:978-1-7281-3896-1, **DOI:** [10.1109/ISSCS.2019.8801775](https://doi.org/10.1109/ISSCS.2019.8801775)

[19\_04\_M] Adrian-Petru Buta, Andrei-Marius Silaghi, Aldo De Sabata, Ladislau Matekovits, "Fractal Based Frequency Selective Surface with Broadband Characteristics", 14th International Symposium on Signals, Circuits and Systems (ISSCS), Iasi, Romania, pp. 1-4, Jul. 11-12, 2019, WOS:000503459500056, ISBN:978-1-7281-3896-1, **DOI:** [10.1109/ISSCS.2019.8801784](https://doi.org/10.1109/ISSCS.2019.8801784)

[19\_05\_M] Andrei-Marius Silaghi, Octavian Păcurar, Aldo De Sabata, "Investigations on Repeatability of Radiated Emissions Testing for Frequencies below 30 MHz", 14th International Symposium on Signals, Circuits and Systems (ISSCS), Iasi, Romania, pp. 1-4, Jul. 11-12, 2019, WOS:000503459500075, ISBN:978-1-7281-3896-1, **DOI:** [10.1109/ISSCS.2019.8801804](https://doi.org/10.1109/ISSCS.2019.8801804)

[19\_06\_M] Cornel Balint, Aldo De Sabata, Andrei-Marius Silaghi, "Application of a Probabilistic Model to High Frequency Spectrum Occupancy", 15th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, pp. 1-4, WOS:000503434500041, ISBN:978-1-7281-0773-8, **DOI:** [10.1109/EMES.2019.8795190](https://doi.org/10.1109/EMES.2019.8795190)

[19\_07\_M] Octavian Pacurar, Andrei-Marius Silaghi, Aldo De Sabata, "Aspects Regarding Radiated Emissions Produced by a Head Up Display", 2019 IEEE 25th International Symposium for Design and Technology in Electronic Packaging (SIITME), 23-26 Oct., Cluj-Napoca, Romania, pp. 1-4, 2019, WOS:000564733700003 **DOI:** [10.1109/SIITME47687.2019.8990882](https://doi.org/10.1109/SIITME47687.2019.8990882)

[19\_08\_M] Adrian-Petru Buta, Andrei - Marius Silaghi, Aldo De Sabata, "Interlaboratory Comparison of Conducted Emissions in Automotive EMC", 2019 IEEE 25th International Symposium for Design and Technology in Electronic Packaging (SIITME), 23-26 Oct., Cluj-Napoca, Romania, pp. 1-4, 2019, WOS:000564733700065 **DOI:** [10.1109/SIITME47687.2019.8990772](https://doi.org/10.1109/SIITME47687.2019.8990772)

[19\_09\_M] Andrei-Marius Silaghi, Aldo De Sabata, Ladislau Matekovits, "Parametric Analysis of a Dual Band Polarized Frequency Selective Surface", 2019 IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting, 7-12 July, Atlanta, GA, USA, pp. 1-2, 2019, **DOI:** [10.1109/APUSNCURSINRSM.2019.8889112](https://doi.org/10.1109/APUSNCURSINRSM.2019.8889112)

[19\_10\_M] Andrei-Marius Silaghi, Aldo de Sabata, Ladislau Matekovits, "Application of a Near Field Method to Reducing Conducted Emissions", 2019 International Conference on

Electromagnetics in Advanced Applications (ICEAA), 9-13 Sept., Granada, Spain, pp. 1-4, 2019, WOS:000551337100321 **DOI:** [10.1109/ICEAA.2019.8879320](https://doi.org/10.1109/ICEAA.2019.8879320)

[19\_11\_M], Andrei-Marius Silaghi, Relu-Adrian Aipu, Aldo De Sabata, Catalin-Iulian Balan, Petre-Marian Nicolae, "Interlaboratory Comparison of Radiated Immunity in Automotive EMC", 2019 International Symposium on Electromagnetic Compatibility - EMC EUROPE, 2-6 Sept., Barcelona, Spain, pp. 972-975, 2019, **DOI:** [10.1109/EMCEurope.2019.8871526](https://doi.org/10.1109/EMCEurope.2019.8871526)

[19\_12\_M] Cornel Balint, Aldo De Sabata, "HF noise measurement in the Western part of Romania", International Conference KNOWLEDGE-BASED ORGANIZATION Vol. XXV No 3 2019, pp. 7-12, 13-15 June, Sibiu, Romania, **DOI:** [10.2478/kbo-2019-0109](https://doi.org/10.2478/kbo-2019-0109)

## 2018

[18\_01\_M] Andrei-Marius Silaghi, Aldo De Sabata, *Emissions and Immunity EMC Testing at Continental Automotive Timisoara*, *Journal of Electrical and Electronic Engineering*, vol.11, nr.1, pp. 33-38, May, 2018, (Scopus), ISSN: 1844-6035.

[18\_02\_M] Relu Aipu, Andrei-Marius Silaghi, Adrian Buta, Petre Marian-Nicolae, Aldo De Sabata, „Interlaboratory comparison of Radiated Emissions in Automotive EMC”, 2018 Int. Symp. on Electromag. Compat, EMC Europe, 27-30 august 2018 – Amsterdam, pp. 994-997, DOI: [10.1109/EMCEurope.2018.8485018](https://doi.org/10.1109/EMCEurope.2018.8485018), IEEE Xplore, WOS:000454901100184, ISBN:978-1-4673-9698-1  
ISSN: 2158-110X

[18\_03\_M] Andrei-Marius Silaghi, Relu Aipu-Adrian, Aldo De Sabata, Florin Alexa "Absorber Lined Shielded Enclosure Chamber Validation", 13<sup>th</sup> International Symposium on Electronics and Telecommunications, Nov. 8-9, Timișoara, pp. 147-152, 2018, WOS:000463031500033  
**DOI:** [10.1109/ISETC.2018.8583918](https://doi.org/10.1109/ISETC.2018.8583918) ISBN:978-1-5386-5925-0  
ISSN: 2475-787X

[18\_04\_M] Adrian Buta, Cristian Pîrvu, Cătălin Bălan, Relu Aipu, Aldo De Sabata, "Stripline measurements in Automotive EMC: A case study", 13<sup>th</sup> International Symposium on Electronics and Telecommunications, Nov. 8-9, Timișoara, pp. 172-175, 2018.  
**DOI:** [10.1109/ISETC.2018.8583992](https://doi.org/10.1109/ISETC.2018.8583992) WOS:000463031500038, ISBN:978-1-5386-5925-0  
ISSN: 2475-787X

[18\_05\_M] Andrei-Marius Silaghi, Alexandru Moțățeanu, Relu Aipu, Aldo De Sabata, "Far field versus near field in automotive environment", **Conference:** 24th IEEE International Symposium on Design and Technology in Electronic Packaging (SIITME), pp. 173-176 Iasi, ROMANIA, OCT 25-28, 2018, **DOI:** [10.1109/SIITME.2018.8599267](https://doi.org/10.1109/SIITME.2018.8599267), WOS:000466960400035, ISBN:978-1-5386-5577-1  
ISSN: 2641-287X

[18\_06\_M] Andrei-Marius Silaghi, Relu Aipu, Aldo De Sabata, Petre Marian-Nicolae, „Near-field scan technique for reducing Radiated Emissions in Automotive EMC: A Case Study”, 2018 IEEE Int. Symp. on Electromag. Compat. and 2018 IEEE Asia-Pacific Symp, on Electromag. Compat. (EMC/APEMC), 14-18 May 2018, pp.831-836, Singapore, DOI: [10.1109/ISEMC.2018.8393897](https://doi.org/10.1109/ISEMC.2018.8393897) WOS:000439259800259 (ISI) ISBN:978-1-5090-5997-3

[18\_07\_M] Adrian Buta, Aldo De Sabata, Andrei-Marius Silaghi, Cora Iftode, Ladislau Matekovits, „Applications of a Frequency Selective Surface based on a Combination of the Jerusalem cross and circular ring”, 2018 International Conference on Communications (COMM), 14-16 June 2018, Bucharest, Romania, pp. 239-242, 2018, DOI: [10.1109/ICComm.2018.848478](https://doi.org/10.1109/ICComm.2018.848478), IEEE Xplore WOS: 000449526000044 ISBN:978-1-5386-2350-3  
ISSN: 1550-3607

[18\_08\_M] Aldo De Sabata, Ladislau Matekovits, Andrei Silaghi, „Frequency Selective Surface with two Notch Frequencies and Good Incidence Angle Stability for Screening Applications”, 2018 International Conference on Electromagnetics in Advanced Applications (ICEAA) 10-14 septembrie, Cartagena, Columbia (publicată la ICEEA 2018), DOI: [10.1109/ICEAA.2018.8520369](https://doi.org/10.1109/ICEAA.2018.8520369), IEEEExplore ISBN 978-1-5386-6761-3

[18\_09\_M] Cornel Balint, Aldo De Sabata, "Directional Measurement of HF Spectrum Occupancy", 13<sup>th</sup> International Symposium on Electronics and Telecommunications, Nov. 8-9, Timișoara, pp. 168-171, 2018, DOI: [10.1109/ISETC.2018.8583898](https://doi.org/10.1109/ISETC.2018.8583898) WOS:000463031500037 ISBN:978-1-5386-5925-0  
ISSN: 2475-787X

[18\_10\_E] Adrian Magheți, Simona Ilie, Ioan Luminosu, Aldo De Sabata, Dumitru Toader, "Experimental model of thermoelectric power plant with gamma Stirling engine", 2018 International Symposium on Fundamentals of Electrical Engineering (ISFEE), 1-3 Nov. 2018, Bucharest, Romania, DOI: [10.1109/ISFEE.2018.8742425](https://doi.org/10.1109/ISFEE.2018.8742425), **Electronic** ISBN: 978-1-5386-7212-9, **USB ISBN:** 978-1-5386-7211-2, WOS:000480396400019

## 2017

[17\_01\_M] Aldo De Sabata, Ladislau Matekovits, Ovidiu Lipan, "Band pattern of commensurate modulated periodic structures", IET Microwaves, Antennas and Propagation, vol. 11, no. 9, pp. 1303-1307, 2017, ISSN 1751-8725 eISSN: 1751-8733 doi: [10.1049/iet-map.2017.0053](https://doi.org/10.1049/iet-map.2017.0053) WOS:000406749600018 IF=1.187

[17\_02\_E] Ioan Luminosu, Aldo De Sabata, Traian Jurca, "Thermal solar experimental model equipped with Fresnel lenses", Buletinul AGIR, nr. 1, pp. 104-110, 2017.

[17\_03\_M] Andrei Silaghi, Cătălin Bălan, Emanuela Tolan, Aldo De Sabata, "The influence of measurement setups in radiated emissions testing", DOI: [10.1109/EMES.2017.7980419](https://doi.org/10.1109/EMES.2017.7980419), Conference: 2017 14th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, June 01-02, 2017, WOS: 000427085200052, ISBN:978-1-5090-6073-3

[17\_04\_M] Aldo De Sabata, Cornel Balint, Paul Bechet, Simona Miclăuș, "USRP based HF spectrum occupancy measurements at two locations in central and Western Romania", DOI: 10.1109/ISSCS.2017.8034876, Conference: 2017 International Symposium on Signals, Circuits and Systems (ISSCS), Iași, Romania, Jul. 13-14, 2017, WOS: 000425211500014 ISBN:978-1-5386-0674-2

[17\_05\_M] Cornel Balint, Aldo De Sabata, Paul Bechet, Simona Miclăuș, "Joint Spectrum Availability measurement in the 4.5–10.5 MHz HF band", DOI: 10.1109/EMES.2017.7980422  
Conference: 2017 14th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, June 01-02, 2017, WOS: 000427085200055 ISBN:978-1-5090-6073-3

[17\_06\_M] Cornel Balint, Aldo De Sabata, "Measurements of short-time spectrum occupancy for ionospheric propagation", 22nd IMEKO TC4 International Symposium & 20th International Workshop on ADC Modelling and Testing SUPPORTING WORLD DEVELOPMENT THROUGH ELECTRICAL&ELECTRONIC MEASUREMENTS, IASI, ROMANIA, September 14-15, pp. 1-4, 2017

[17\_07\_M] . A. SILAGHI, A. Buta, S. Baderca, A. De Sabata, "Methods for reducing Conducted Emissions levels", 22nd IMEKO TC4 International Symposium and 20th International Workshop on ADC Modelling and Testing 2017, 14-15 September 2017, Iasi, Romania, pp. 352-355, 2017 (Scopus).

## 2016

[16\_01\_M] A. De Sabata, L. Matekovits, A. Silaghi, I. Peter, "Anizotropic dielectric devised by metamaterials-related technique", 2016 International Conference on Communications (COMM 2016), Book Series: International Conference on Communications (ICC), Pages: 133-136  
IEEE 11th International Conference on Communications (COMM), Bucharest, Romania, Jun 09-11, 2016, WOS:000383221900029, **Electronic ISBN:** 978-1-4673-8197-0, **DVD ISBN:** 978-1-4673-8196-3,  
10.1109/ICComm.2016.7528316**DOI:** 10.1109/ICComm.2016.7528316

[16\_03\_M] A.M. Silaghi, A. De Sabata, F. Alexa, A. Buta, S. Baderca, " Measurement of radiated immunity in the automotive industry: Key concepts ", Electronics and Telecommunications (ISETC), 2016 12th IEEE International Symposium on, 27-28 Oct. 2016, **DOI:** 10.1109/ISETC.2016.7781048, IEEEXplore, WOS:000390717800006, **ISBN:**978-1-5090-3748-3

[16\_04\_M] A.M. Silaghi, E. Tolan, A. De Sabata, A. Buta, "Measurement of radiated emissions from an automotive cluster", Electronics and Telecommunications (ISETC), 2016 12th IEEE International Symposium on, 27-28 Oct. 2016, DOI: 10.1109/ISETC.2016.7781047, IEEE Xplore, WOS:000390717800005, **ISBN:**978-1-5090-3748-3

[16\_05\_M] A. De Sabata, C. Balint, "Structure of signal received by passive ionospheric sounding in the HF band at the location of Timisoara, Romania", *Electronics and Telecommunications (ISETC)*, 2016 12th IEEE International Symposium on, 27-28 Oct. 2016, DOI: 10.1109/ISETC.2016.7781056, IEEE Xplore, WOS:000390717800013, **ISBN:978-1-5090-3748-3**

[16\_06\_M] A.M. Silaghi, A. De Sabata, M.A. Silaghi, "Testing immunity to portable transmitters with helical antennas: Key concepts", *Design and Technology in Electronic Packaging (SIITME)*, 2016 IEEE 22nd International Symposium for, 0-23 Oct. 2016, DOI: 10.1109/SIITME.2016.7777293, IEEE Xplore, WOS:000390557400058, **ISBN:978-1-5090-4446-7**

[16\_07\_M] L. Matekovits, A.M. Silaghi, A. De Sabata, M.S. Baderca, O. Lipan, P.A. Buta, "Effect of geometry modulation on the full dispersion diagram of a 2D periodic structure built in stripline technology", *Antennas and Propagation (APSURSI)*, 2016 IEEE International Symposium on, 26 June-1 July 2016, DOI: 10.1109/APS.2016.7696687, *Electronic ISSN: 1947-1491, IEEE Xplore, WOS:000388377100953, ISBN:978-1-5090-2886-3, ISSN: 1522-3965 DOI: [10.1109/APS.2016.7696687](https://doi.org/10.1109/APS.2016.7696687)*

## 2015

[15\_01\_M] Ladislau Matekovits, Aldo De Sabata, "Signal Integrity Applications of an EBG Surface", *Advances in Electrical and Computer Engineering*, vol. 15, no. 2, pp. 3-8, 2015, DOI: 10.4316/AECE.2015.0200, WOS:000356808900001, ISSN: 1582-7445, eISSN: 1844-7600, IF2015=0.459 (Q4)

[15\_02\_M] Aldo De Sabata, Ladislau Matekovits, Andrei Silaghi, "Metamaterial Based Screening Box Working from DC up to the GHz Range", *Int. Symp. on Signals, Circuits & Systems*, July 9-10 2015, Iași, Romania, pp. 1-4 (USB Stick), 2015, WOS:000380451600059, **ISBN: DOI: [10.1109/ISSCS.2015.7203979](https://doi.org/10.1109/ISSCS.2015.7203979)**

[15\_03\_M] Ladislau Matekovits, Aldo De Sabata, Ovidiu Lipan, "Band Splitting in 2D EBG Structure by Geometry Modulation", *IEEE Int. Symp. on Antennas and Propag.*, 19-24 July, 2015, Vancouver, BC, Canada, pp. 1950-1951, 2015, WOS:000371401401345, ISBN:978-1-4799-7815-1, ISSN: **DOI: [10.1109/APS.2015.7305184](https://doi.org/10.1109/APS.2015.7305184)**

[15\_04\_M] Ladislau Matekovits, Aldo De Sabata, Ildiko Peter, Joseph Füzi, "On the EBGs of Shielded 2D Periodic Structures with Metal Inclusions in the Dielectric Layer", *International Conference on Electromagnetics in Advanced Applications (ICEAA)*, 7-9 September, 2015, Turin, Italy, pp. 1576-1679, 2015, WOS:000378428800312, ISBN:978-1-4799-7806-9 **DOI: [10.1109/ICEAA.2015.7297391](https://doi.org/10.1109/ICEAA.2015.7297391)**

[15\_05\_M] Aldo De Sabata, Ladislau Matekovits, Ovidiu Lipan, "Enrichment of EBG Contents of Periodic Structures by Geometry Modulation", *International Conference on Electromagnetics in Advanced Applications (ICEAA)*, 7-9 September, 2015, Turin, Italy, pp. 1613-1616, 2015, WOS:000378428800320, ISBN:978-1-4799-7806-9 **DOI: [10.1109/ICEAA.2015.7297401](https://doi.org/10.1109/ICEAA.2015.7297401)**

[15\_06\_M] Aldo De Sabata, Ladislau Matekovits, Andrei Silaghi, Ulrich L. Rhode, Marius A. Silaghi, "2D Periodic Structure Featuring Negative Group Velocity of Bloch Waves", *International Conference on Electromagnetics in Advanced Applications (ICEAA)*, 7-9 September, 2015, Turin, Italy, pp. 1617-1620, 2015, WOS:000378428800321, ISBN:978-1-4799-7806-9 **DOI:** [10.1109/ICEAA.2015.7297402](https://doi.org/10.1109/ICEAA.2015.7297402)

[15\_07\_M] Abdul Aziz, Ladislau Matekovits, Aldo De Sabata, "A Simple and Robust Technique to Retrieve Effective Refractive Index of Heterogeneous Dielectrics for Millimeter-Wave Applications", *CEM '15, Computational Electromagnetics International Workshop*, 1-4 July 2015, Izmir, Turkey, pp. 20-21, 2015, WOS:000380400600009, **ISBN:**978-1-4673-7197-1 **DOI:** [10.1109/CEM.2015.7237420](https://doi.org/10.1109/CEM.2015.7237420)

[15\_09\_M] C. Sinescu, M.L. Negruțiu, M. Manole, A. De Sabata, L.C. Rusu, S. Stratul, D. Duda, C. Dughir, V.F. Duma, "Retraction of the gingival margins evaluated by holographic methods", *Holography: Advances and Modern Trends IV*, Book Series: Proceedings of SPIE, Volume: 9508, Article Number: 95080V, Conference on Holography - Advances and Modern Trends IV, Prague, Czech Republic, Apr 15-16, 2015, DOI: [10.1117/12.2179010](https://doi.org/10.1117/12.2179010), WOS:000357642900028, ISBN:978-1-62841-629-9, ISSN: 0277-786X

[15\_10\_S] I. Luminosu, A. De Sabata, D. Mărgineanu, V. Ciupe, "Solar thermal systems developed in the western part of Romania: an LCoE analysis", 2015 IEEE 10th Jubilee International Symposium on Applied Computational Intelligence and Informatics (SACI), Pages: 177-180, Published: 2015, 10th Jubilee IEEE International Symposium on Applied Computational Intelligence and Informatics, Timisoara, Romania, May 21-23, 2015, WOS:000380397800034, ISBN:978-1-4799-9911-8 **DOI:** [10.1109/SACI.2015.7208194](https://doi.org/10.1109/SACI.2015.7208194)

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Note: The letter in the reference identifies the domain as follows:

"M" – Applied Electromagnetics

"S" – Signal Processing

"E" – Solar Energy