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<b>314.7: DESIGN OF A HIGH GAIN HYBRID DIELECTRIC RESONATOR ANTENNA FOR MILLIMETER-WAVES UNDERGROUND APPLICATIONS</b>	<b>1688</b>
<i>Abderrahmane Agouzoul, Mourad Nedil, Yacouba Coulibaly, University of Quebec (UQAT), Canada; Tayeb Ahmed Denidni, Institut National de la Recherche Scientifique, Canada; Ismail Ben Mabrouk, Larbi Talbi, University of Quebec (UQO), Canada</i>	
<b>314.8: DESIGN OF A SINGLE CIRCULAR SOFT SURFACE APPLIED TO AN APERTURE FED DIELECTRIC RESONATOR ANTENNA FOR GAIN AND BANDWIDTH IMPROVEMENT</b>	<b>1692</b>
<i>Yacouba Coulibaly, uqat, Canada; Mourad Nedil, university of Quebec, Canada; Tayeb Ahmed Denidni, NRS Énergie / Matériaux et Télécommunications, Canada; Larbi Talbi, Université du quebec en outaouais, Canada</i>	
<b>314.9: CPW-FED CHIP-SCALE DIELECTRIC RESONATOR ANTENNA FOR MILLIMETER WAVE APPLICATIONS</b>	<b>1696</b>
<i>Alireza Zandieh, Saman Jafarlou, Behzad Biglarbegian, Safieddin Safavi-Naeini, University of Waterloo, Canada</i>	
 <b>IF318: ANTENNA NEAR FIELDS AND MUTUAL COUPLING</b>	
<b>IF318.1: RADIATION PATTERN DECOUPLING FOR COMPACT TRANSMITTING ANTENNA ARRAYS</b>	<b>1704</b>
<i>Choon Hock Niow, Yantao Yu, Hon Tat Hui, National University of Singapore, Singapore</i>	
<b>IF318.2: STUDIES ON TWO CLOSELY-PACKED L-SHAPED SLOT ANTENNAS</b>	<b>1704</b>
<i>Sichao Song, Chi-Yuk Chiu, Ross D. Murch, The Hong Kong University of Science and Technology, Hong Kong SAR of China</i>	
<b>IF318.3: EFFICIENCY IMPROVEMENT OF WIRELESS POWER TRANSFER VIA MAGNETIC RESONANCE USING TRANSMISSION COIL ARRAY</b>	<b>1707</b>
<i>Noriaki Oodachi, Kenichiro Ogawa, Hiroki Kudo, Hiroki Shoki, Shuichi Obayashi, Toshiba Corporation, Japan; Tasuku Morooka, Toshiba Research Consulting Corporation, Japan</i>	
<b>IF318.4: DESIGN OF A “BIRDCAGE-LIKE” ANTENNA FOR COLLINEAR ARRAYS</b>	<b>1711</b>
<i>Anda Raluca Guraliuc, Andrea Antonio Serra, Paolo Nepa, Giuliano Manara, University of Pisa, Italy</i>	
<b>IF318.5: INFLUENCE OF LOOP ARRAY GEOMETRY ON NEAR FIELD TRANSMIT PROPERTIES AT 300 MHZ</b>	<b>1715</b>
<i>Mikhail Kozlov, Robert Turner, Max Planck Institute for Human Cognitive and Brain Sciences, Germany</i>	
<b>IF318.6: RF COIL ARRAYS FOR MRI APPLICATIONS</b>	<b>1719</b>
<i>Chi-Lun Mak, Wan-Ming Lau, Corbett Rowell, Hong Kong Applied Science and Technology Research Institute Company Limited, China</i>	
<b>IF318.7: SYNTHESIS OF MICROSTRIP ANTENNA ARRAYS FOR OPTIMUM NEAR-FIELD PATTERNS VIA STEEPEST DESCENT METHOD</b>	<b>1723</b>
<i>Hsi-Tseng Chou, Kuo-Lung Hung, Hsi-Hsir Chou, Yuan-Ze University, Taiwan</i>	
<b>IF318.8: NEAR-ZONE FOCUSED RADIATIONS OF REFLECTARRAY ANTENNAS FOR RFID APPLICATIONS AT 0.9 AND 2.4 GHZ</b>	<b>1727</b>
<i>Hsi-Tseng Chou, Pai-Han Hsueh, Tso-Ming Hung, Yuan-Ze University, Taiwan; Li-Ruei Kuo, Communication Research Center / Yuan-Ze University, Taiwan</i>	
<b>IF318.9: NUMERICAL SYNTHESIS OF REFLECTARRAY ANTENNA FOR OPTIMUM NEAR-FIELD RADIATION AT 2.4GHZ</b>	<b>1731</b>
<i>Hsi-Tseng Chou, Yuan-Ze University, Taiwan; Yu-Xi Liu, Xiao-Ying Dong, B. Q. You, Xiamen University, China; Nan-Nan Wang, Harbin Institute of Technology, China</i>	
<b>IF318.10: ISOLATION IMPROVEMENT BETWEEN LOOP ANTENNAS WITH ABSORBER CELLS</b>	<b>1735</b>
<i>H. S. Lee, H. M. Lee, Kyonggi University, Republic of Korea</i>	

<b>IF318.11: INVESTIGATION OF A PLANAR BOW-TIE ANTENNA FED BY A FLANGED RECTANGULAR WAVEGUIDE</b>	<b>1739</b>
<i>B.M. Kim, Gyeongbuk Provincial College, Republic of Korea; K.- P. Hwang, Samsung Electro-Mechanics, Republic of Korea; Y.K. Cho, Kyungpook National University, Republic of Korea</i>	
<b>IF318.12: GENERALIZED METHOD FOR FAST FIELD ASSESSMENT IN THE RADIATING NEAR FIELD REGION</b>	<b>1743</b>
<i>Alessandra Carta, Daniele Trincherio, iXem Labs - Politecnico di Torino, Italy</i>	
<b>IF318.13: ON THE INTERPOLATION OF RADIATION PATTERNS IN THE CALIBRATION OF ANTENNA ARRAYS</b>	<b>1747</b>
<i>Simon Henault, Yahia M. M. Antar, Royal Military College of Canada, Canada</i>	
<b>IF318.14: A HYBRID APPROACH FOR ANTENNA ARRAY CALIBRATION</b>	<b>1751</b>
<i>Simon Henault, Yahia M. M. Antar, Royal Military College of Canada, Canada</i>	
<b>IF318.15: HIGHER ORDER LOOP CORRECTIONS FOR SHORT RANGE MAGNETOQUASISTATIC POSITION TRACKING</b>	<b>1755</b>
<i>Darindra Arumugam, Carnegie Mellon University, United States; Joshua Griffin, Disney Research, United States; Daniel Stancil, North Carolina State University, United States; David Ricketts, Carnegie Mellon University, United States</i>	
<b>IF318.16: BANDWIDTH ENHANCEMENT OF MICROSTRIP DIPOLE USING PROXIMITY COUPLING METHOD</b>	<b>1758</b>
<i>Krishnendu Chattopadhyay, Soumava Mukherjee, Santanu Das, Shekhar Ranjan Bhadra Chaudhuri, Bengal Engineering and Science University, India</i>	
<b>IF318.17: NON-PERIODIC ARRAYS FOR RADIO-ASTRONOMY APPLICATIONS</b>	<b>1762</b>
<i>David Gonzalez-Ovejero, Université catholique de Louvain, Belgium; Eloy de Lera Acedo, Nima Razavi-Ghods, University of Cambridge, United Kingdom; Christophe Craeye, Université catholique de Louvain, Belgium; Luis Enrique García-Muñoz, Universidad Carlos III de Madrid, Spain</i>	
<b>IF319: MOBILE, BROADBAND, AND ULTRA WIDEBAND ANTENNAS</b>	
<b>IF319.1: STAIR-MONOPOLE ANTENNA AND IRREGULAR PENTAGON ANTENNA IN ULTRA-WIDEBAND APPLICATIONS: DETAILED STUDY</b>	<b>1766</b>
<i>Mohamed Issa, German University in Cairo, Egypt; Mohammad Sharaf, National Telecommunication Institute, Egypt; Shoukry Shams, Abdelmegid Allam, German University in Cairo, Egypt</i>	
<b>IF319.2: DESIGN OF A NEW DUAL-POLARIZED ULTRA-WIDEBAND PLANAR CPW FED ANTENNA</b>	<b>1770</b>
<i>Rabia Yhaya, INRS-EMT, Canada; Tayeb Ahmed Denidni, Institut National de la Recherche Scientifique, Canada</i>	
<b>IF319.3: TWO DIMENSIONAL LUNEBURG LENS IMPLEMENTED WITH A LOADED WIRE GRID</b>	<b>1773</b>
<i>Ali Mirkamali, Jean-Jacques Laurin, École Polytechnique de Montréal, Canada</i>	
<b>IF319.4: A NOVEL BROADBAND OMNI-DIRECTIONAL CIRCULARLY POLARIZED ANTENNA FOR MOBILE COMMUNICATIONS</b>	<b>1777</b>
<i>Xulin Quan, Ronglin Li, South China University of Technology, China; Manos M. Tentzeris, Georgia Institute of Technology, United States</i>	
<b>IF319.5: DESIGN AND OPTIMIZATION OF A GSM PRINTED DIPOLE ANTENNA FOR ENERGY HARVESTING APPLICATIONS</b>	<b>1780</b>
<i>Ali Alaeldine, Mohamed Latrach, Hedi Raggad, Zaher Sayegh, ESEO Graduate Engineering School, France</i>	
<b>IF319.6: DESIGN OF A DOUBLE-FACED GLASS-INTEGRATED ANTENNA FOR MILITARY AIRCRAFT FM RADIO COMMUNICATION</b>	<b>1784</b>
<i>Gangil Byun, Hongik University, Republic of Korea; Byung-Jun Jang, Kookmin University, Republic of Korea; Chulhun Seo, Soongsil University, Republic of Korea; Hosung Choo, Hongik University, Republic of Korea</i>	

<b>IF319.7: DUAL-BAND AND DUAL POLARIZED TRANSCIEIVING DOUBLE QUADRAFILAR HELIX ANTENNA</b>	<b>1788</b>
<i>Kaiming Xu, Zaiping Nie, Xianzheng Zong, Lei Lei, University of Electronic Science and Technology of China, China</i>	
<b>IF319.8: DESIGN OF A NEW DUAL-BAND DIELECTRIC RESONATOR ANTENNA FOR WIRELESS APPLICATIONS</b>	<b>1792</b>
<i>Amjad Omar, King Faisal University, Saudi Arabia; Mu'ath Al-Hasan, INRS / University of Quebec, Canada; Tayeb Ahmed Denidni, Institut National de la Recherche Scientifique / University of Quebec, Canada</i>	
 <b>IF320: ELECTROMAGNETIC BAND GAP DEVICES</b>	
<b>IF320.1: AN INVESTIGATION ON THE EFFECT OF BENDING ON UCPBG STRUCTURES</b>	<b>1796</b>
<i>Haider R. Khaleel, Hussain M. Al-Rizzo, Yasir Rahmatallah, Daniel Rucker, Seshadri Mohan, University of Arkansas at Little Rock, United States</i>	
<b>IF320.2: LOW PROFILE DUAL-BAND REFLECTOR ANTENNA WITH DUAL RESONANT AMC</b>	<b>1800</b>
<i>Eun Young Kim, Ji Hwan Yoon, Young Joong Yoon, Yonsei University, Republic of Korea; Chang Gu Kim, Agency for Defense Development, Republic of Korea</i>	
<b>IF320.3: A NEW TECHNIQUE TO DESIGN 1-D DUAL-BAND EBG RESONATOR ANTENNAS</b>	<b>1804</b>
<i>Basit Ali Zeb, Yuehe Ge, Karu P. Esselle, Macquarie University, Australia</i>	
<b>IF320.4: EFFECT OF ACTIVE DEVICE INSERTION LOSSES ON THE ELECTROMAGNETIC BANDGAP CHARACTERISTICS OF A TUNABLE 1D PERIODIC STRUCTURE IN THE S BAND</b>	<b>1808</b>
<i>Dushmantha Thalakatuna, Macquarie University, Australia; Ladislau Matekovits, Politecnico di Torino, Italy; Karu P. Esselle, Michael Heimlich, Macquarie University, Australia</i>	
<b>IF320.5: EXPERIMENTAL DEMONSTRATION OF A CONFORMAL OPTICAL METAMATERIAL ABSORBER</b>	<b>1812</b>
<i>Zhi Hao Jiang, Seokho Yun, Fatima Toor, Douglas H. Werner, Theresa Mayer, The Pennsylvania State University, United States</i>	
<b>IF320.6: ON-CHIP IMPLEMENTATION OF COMPACT ELECTROMAGNETIC BANDGAP STRUCTURES FOR 60GHZ APPLICATIONS</b>	<b>1816</b>
<i>Kasra Payandehjoo, Ramesh Abhari, McGill University, Canada</i>	
<b>IF320.7: A WIDEBAND AND HIGH GAIN V-BAND EBG PATCH ANTENNA ON LIQUID CRYSTAL POLYMER</b>	<b>1820</b>
<i>Yiren Wang, Jia-Chi Chieh, Anh-Vu Pham, University of California Davis, United States</i>	
<b>IF320.8: EBG STRUCTURES FOR ANTENNA DESIGN AT THZ FREQUENCIES</b>	<b>1824</b>
<i>Daniel Sánchez-Escuderos, Miguel Ferrando-Bataller, Mariano Baquero-Escudero, Jose I. Herranz, Universidad Politecnica de Valencia, Spain</i>	
<b>IF320.9: A DUAL-LAYER EBG-BASED MINIATURIZED PATCH MULTI-ANTENNA STRUCTURE</b>	<b>1828</b>
<i>Soham Ghosh, Thanh-Ngon Tran, Tho Le-Ngoc, McGill University, Canada</i>	
<b>IF320.10: A COMPACT LOW-PROFILE HIGH-IMPEDANCE SURFACE FOR USE AS AN ANTENNA GROUND PLANE</b>	<b>1832</b>
<i>Shahzad Raza, Marco Antoniadis, George V. Eleftheriades, University of Toronto, Canada</i>	

**IF320.11: VARIATION OF CHARACTERISTICS OF A MICROWAVE PHOTONIC BAND GAP STRUCTURE VERSUS THE DIELECTRIC CONSTANT IN INHOMOGENEOUS PARALLEL PLATE WAVEGUIDE ..... 1836**

*Ladislau Matekovits, Politecnico di Torino, Italy; Aldo De Sabata, "Politehnica" University of Timisoara, Romania; Ildiko Peter, Politecnico di Torino, Italy*

**IF320.12: REACTIVE POWER RADIATED FROM THE PLANAR ELECTROMAGNETIC BANDGAP STRUCTURES, A SOURCE OF EMI IN HIGH SPEED PACKAGES ..... 1840**

*Baharak Mohajer-Iravani, EMWaveDev, United States; Omar Ramahi, University of Waterloo, Canada*

**IF320.13: PHYSICAL REALIZATION AND REFLECTION PHASE CHARACTERISTICS OF A FLEXIBLE HIGH IMPEDANCE SURFACE ..... 1844**

*Ahmet Durgun, Constantine Balanis, Craig Birtcher, Arizona State University, United States*

**IF320.14: ANALYSIS OF OBLIQUELY LAUNCHED PLANE WAVE STEERING USING ELECTROMAGNETIC BAND GAP (EBG) ..... 1848**

*Young Sub Kim, Yohan Lim, Young Joong Yoon, Yonsei University, Republic of Korea*

**IF321: ELECTROMAGNETIC PROPERTIES OF MATERIALS**

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*Logan Loeb, Keith Whites, South Dakota School of Mines and Technology, United States*

**IF321.2: WIRELESS RESONANT FREQUENCY DETECTION OF SICN CERAMIC RESONATOR FOR SENSOR APPLICATIONS ..... 1856**

*Xinhua Ren, Siamak Ebadi, Haitao Cheng, Yaohan Chen, Linan An, Xun Gong, University of Central Florida, United States*

**IF321.3: PHANTOM MODELS FOR IN-VITRO MEASUREMENTS OF BLOOD GLUCOSE ..... 1860**

*Kelly Beam, Jayanti Venkataraman, Rochester Institute of Technology, United States*

**IF321.4: EXTRACTION OF RF PERMEABILITY OF FERRITE MATERIALS USING DIRECT MEASUREMENT OF INDUCTORS ON FERRITE CORES ..... 1863**

*Krishna Naishadham, Georgia Institute of Technology, United States*

**IF321.5: FLEXIBLE DESIGN OF DOUBLY PERIODIC FREQUENCY SELECTIVE SURFACES WITH A PRISMATIC MESH BASED FEBI SIMULATION TOOL AND CMA-ES ..... 1867**

*Micah Gregory, Xiande Wang, Douglas H. Werner, The Pennsylvania State University, United States*

**IF321.6: ELECTROMAGNETIC WAVE SCATTERING FROM AN OPTICALLY CONTROLLED INFINITE PERIODIC RECTANGULAR CAVITY ARRAY WITH AN ELECTRICALLY SHORT PERIOD ..... 1871**

*Kazuo Nishimura, Ryukoku University, Japan*

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*Dian Wang, Hang Wong, Chi Hou Chan, City University of Hong Kong, Hong Kong SAR of China*

**312: METROLOGY TECHNIQUES IN ELECTROMAGNETIC DESIGN**

**312.1: LEAKY FIELDS FROM DAMAGED SHIELDS ..... 1878**

*Brian Jones, Cynthia Furse, University of Utah, United States*

<b>312.2: AN INDIRECT IMPEDANCE CHARACTERIZATION METHOD FOR MONOLITHIC THZ ANTENNAS</b>	<b>1882</b>
<i>Kagan Topalli, Georgios Trichopoulos, Kubilay Sertel, The Ohio State University, United States</i>	
<b>312.3: SIMPLE CALCULATION OF ERGODIC CAPACITY OF LOSSLESS TWO-PORT ANTENNA SYSTEM USING ONLY S-PARAMETERS – COMPARISON WITH COMMON Z-PARAMETER APPROACH</b>	<b>1885</b>
<i>Xiaoming Chen, Per-Simon Kildal, Chalmers University of Technology, Sweden; Jan Carlsson, SP Technical Research Institute of Sweden, Sweden</i>	
<b>312.4: INVESTIGATION OF ELECTROMAGNETIC INTERFERENCES CAUSED BY THE STACKED I/O CONNECTORS</b>	<b>1889</b>
<i>Hsi-Hsir Chou, Yuan-Ze University, Taiwan; Shih-Chung Tuan, Oriental Institute of Technology, Taiwan; Hsi-Tseng Chou, Y-S Lee, Yuan-Ze University, Taiwan</i>	
 <b>324: ANALYTICAL AND EXPERIMENTAL VALIDATIONS</b>	
<b>324.1: EXPERIMENTAL VALIDATION OF THE “TWO – LEVEL GTD” METHOD FOR DESIGN OF ANECHOIC CHAMBERS</b>	<b>1893</b>
<i>John Aubin, Mark Winebrand, Vadim Vinogradov, ORBIT/FR Inc., United States</i>	
<b>324.2: MEASURED, SIMULATED, AND ANALYTICAL FIELDS RADIATED BY PATCH ANTENNAS CONFORMAL TO SPHERICAL GEOMETRIES</b>	<b>1897</b>
<i>Steven Weiss, Army Research Laboratory, United States; Boliong Amang, Gregory Wilkins, Morgan State University, United States</i>	
<b>324.3: EFFICIENCY OF GTEM CELL FOR MEASURING SMALL ANTENNAS GAIN WITH RESPECT TO POWER LOSSES CALCULATION</b>	<b>1898</b>
<i>Ali Alaeldine, Mohamed Latrach, ESEO Graduate Engineering School, France; Ali Dakdouki, ERICSSON, United Kingdom; Hedi Raggad, Zaher Sayegh, ESEO Graduate Engineering School, France</i>	
<b>324.4: EXPERIMENTAL DETECTION OF BRILLOUIN PRECURSOR THROUGH PLANAR METALLIC SLAB IN MICROWAVE FREQUENCIES</b>	<b>1902</b>
<i>Michael Abravanel, New Mexico State University, United States; Ana Alejos, University of Vigo, Spain; Muhammad Dawood, New Mexico State University, United States</i>	
<b>324.7: EMULATION OF GAIN MEASUREMENTS OF STANDARD GAIN PYRAMIDAL HORNS USING 3D EM SOLVER</b>	<b>1906</b>
<i>Milos Pavlovic, WIPL-D d.o.o., Serbia; Branko Kolundzija, School of Electrical Engineering, Serbia</i>	
 <b>325: ANTENNAS FOR MOBILE APPLICATIONS</b>	
<b>325.1: WIDEBAND ANTENNA FOR MOBILE TERMINALS USING A COUPLED FEEDING STRUCTURE</b>	<b>1910</b>
<i>Minho Kim, Woosung Lee, Young Joong Yoon, Yonsei University, Republic of Korea</i>	
<b>325.2: A DOUBLE MEANDER PIFA WITH A PARASITIC METAL BOX FOR WIDEBAND 4G MOBILE PHONES</b>	<b>1914</b>
<i>Rashed Bhuiyan, Mohammad Ali, University of South Carolina, United States</i>	
<b>325.3: CONCURRENT 2-PORT/3-PORT MIMO ANTENNA SYSTEM FOR UMTS/LTE2500 OPERATION IN THE MOBILE PHONE</b>	<b>1918</b>
<i>Wei-Yu Li, Wei-Ji Chen, Industrial Technology Research Institute, Taiwan</i>	
<b>325.4: A NOVEL ANTENNA ISOLATION METHOD FOR MOBILE PHONE ANTENNAS</b>	<b>1922</b>
<i>Corbett Rowell, University of Hong Kong / Applied Science and Technology Research Institute, Hong Kong SAR of China; Edmund Y. Lam, University of Hong Kong, Hong Kong SAR of China</i>	



<b>325.5: MULTI-FREQUENCY PRINTED LOOP ANTENNA FOR MOBILE PHONE APPLICATION</b>	<b>1926</b>
<i>Wen-Shan Chen, Yi-Ting Liu, Southern Taiwan University, Taiwan; Wen-Hsiu Hsu, Shu-Te University, Taiwan</i>	
<b>325.6: AN INTERNAL QUAD-BAND MONOPOLE WITH ISOLATION AREA FOR CTIA 3.0 TALK MODE</b>	<b>1929</b>
<i>Hao-Chun Tung, Tzung-Fang Huang, Qisda, Taiwan</i>	
<b>325.7: CPW-FED FOLDED SLOT DIPOLE ANTENNA FOR MOBILE HANDSET APPLICATIONS</b>	<b>1932</b>
<i>You-Chieh Chen, Powen Hsu, National Taiwan University, Taiwan</i>	
<b>325.8: FOLDED DUAL-BAND SLOT ANTENNA WITH FURTHER REDUCED SIZE</b>	<b>1936</b>
<i>Jian Zhang, Kaizhi Zhang, Jun Ouyang, Feng Yang, University of Electronic Science and Technology of China, China</i>	
<b>325.9: A DUAL-FREQUENCY BROADBAND ANTENNA FOR MOBILE PHONE APPLICATIONS</b>	<b>1939</b>
<i>Ting Zhang, South China University of Technology, China; Manos M. Tentzeris, Georgia Institute of Technology, Armenia; Ronglin Li, South China University of Technology, China</i>	
 <b>326: NON-FOSTER CIRCUITS FOR METAMATERIALS AND ANTENNAS</b>	
<b>326.1: NON-FOSTER CIRCUITS AND STABILITY THEORY</b>	<b>1942</b>
<i>Stephen Stearns, Northrop Grumman, United States</i>	
<b>326.5: DISPERSIONLESS ENZ AND MNZ METAMATERIALS BASED ON NON-FOSTER ELEMENTS</b>	<b>1946</b>
<i>Silvio Hrabar, Igor Krois, Ivan Bonic, Aleksandar Kiricenko, University of Zagreb, Croatia</i>	
<b>326.9: A WIDEBAND METAMATERIAL-INSPIRED COMPACT ANTENNA USING EMBEDDED NON-FOSTER MATCHING</b>	<b>1950</b>
<i>Hassan Mirzaei, George V. Eleftheriades, University of Toronto, Canada</i>	
<b>326.10: NON FOSTER DESIGN FOR ANTENNAS</b>	<b>1954</b>
<i>Stavros Koulouridis, University of Patras, Greece</i>	
 <b>327: HIGH PERFORMANCE WIDEBAND PHASED ARRAY TECHNOLOGIES FOR MILITARY APPLICATIONS</b>	
<b>327.1: EVOLUTION OF WIDE BAND ARRAY DESIGNS</b>	<b>1957</b>
<i>Stan Livingston, J. J. Lee, Raytheon SAS, United States</i>	
<b>327.3: POLARIZATION CORRECTION IN DUAL-POLARIZED PHASED ARRAYS OF FLARED NOTCHES</b>	<b>1961</b>
<i>Rick Kindt, Douglas Taylor, Naval Research Laboratory, United States</i>	
<b>327.4: WIDE SCAN, INTEGRATED PRINTED CIRCUIT BOARD, FRAGMENTED APERTURE ARRAY ANTENNAS</b>	<b>1965</b>
<i>Jim Maloney, Brad Baker, Todd Lee, Greg Kiesel, Jim Acree, Georgia Tech Research Institute, United States</i>	
<b>327.5: SELF-COMPLEMENTARY RADIATORS FOR ENABLING ULTRA-WIDEBAND PHASED ARRAYS</b>	<b>1969</b>
<i>Norma Riley, Douglas Riley, Northrop Grumman Corporation, United States</i>	
<b>327.7: LOW-PROFILE FERRITE LOADED UWB TIGHTLY COUPLED DIPOLE ARRAY</b>	<b>1973</b>
<i>Justin Kasemodel, Raytheon Space and Airborne Systems, United States</i>	
<b>327.8: DESIGN AND FABRICATION OF LOW-COST PUMA ARRAYS</b>	<b>1976</b>
<i>Steven Holland, Marinos Vouvakis, University of Massachusetts Amherst, United States</i>	

**327.9: AN ULTRA-THIN, DECADE (10:1) BANDWIDTH, MODULAR “BAVA” ARRAY WITH ..... 1980  
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*M. Wajih Elsallal, John Mather, Rockwell Collins, United States*

**327.10: THE FUTURE OF HIGH PERFORMANCE PHASED ARRAYS: OPPORTUNITIES, .....P IC  
CRITIQUES, AND LIMITATIONS**

*M. Wajih Elsallal, Rockwell Collins, United States; Rick Kindt, Naval Research Laboratory, United States*

**328: ADVANCES IN PHASED ARRAY DESIGN**

**328.1: DIRECTIONAL MODULATION AND CODING IN ARRAYS..... 1984**

*Michael Daly, Jennifer Bernhard, University of Illinois at Urbana-Champaign, United States*

**328.2: THICK VIVALDI ANTENNA FOR FOCAL PLANE APPLICATIONS..... 1988**

*Remi Sarkis, Christophe Craeye, Université catholique de Louvain, Belgium; Bruce Veidt, National Research Council, Canada*

**328.3: TRUNCATION EFFECTS IN CONNECTED ARRAYS: ANALYTICAL MODELS TO ..... 1992  
DESCRIBE THE EDGE-INDUCED WAVE PHENOMENA**

*Andrea Neto, Delft University of Technology, Netherlands; Daniele Cavallo, Giampiero Gerini, TNO / Eindhoven University, Netherlands*

**328.4: A CS-BASED STRATEGY FOR THE DESIGN OF SHAPED-BEAM SPARSE ARRAYS ..... 1996**

*Matteo Carlin, Giacomo Oliveri, Andrea Massa, ELEDIA Research Group / University of Trento, Italy*

**328.5: ON THE SYNTHESIS OF LINEAR MULTI-BEAM ARRAYS WITH A RELIABLE ..... 2000  
ANALYTIC METHODOLOGY**

*Lorenzo Poli, Paolo Rocca, ELEDIA Research Group / University of Trento, Italy*

**328.6: LOW SIDELobe ADS-BASED ARRAYS FOR FMCW RADAR..... 2004**

*Paolo Rocca, Massimo Donelli, ELEDIA Research Group / University of Trento, Italy*

**328.7: A COMPARISON OF GEOMETRICALLY BOUND RANDOM ARRAYS IN ..... 2008  
EUCLIDEAN SPACE**

*Kristopher Buchanan, Gregory Huff, Texas A&M University, United States*

**328.8: NARROW BEAMWIDTH SATELLITE ANTENNA POINTING AND TRACKING ..... 2012**

*Robert Dybdal, Keith SooHoo, The Aerospace Corporation, United States*

**328.9: MUSIC DOA ESTIMATION WITH COMPRESSIVE SENSING AND/OR ..... 2016  
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*Ismail Jouny, Lafayette College, United States*

**329: WIDEBAND, FREQUENCY AGILE, AND RECONFIGURABLE ARRAYS**

**329.1: DEVELOPMENT OF AN ADAPTIVE SURFACE CONTROLLED BY ..... 2020  
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*Saeed Latif, Mojtaba Abadi, Cyrus Shafai, Lotfollah Shafai, University of Manitoba, Canada*

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