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Pratigya Mathur, Girish Kumar, Indian Institute of Technology Bombay, India; Prashant Kumar Mishra, Yogesh K. Verma, Research Centre Imarat, Defense Research & Development Organization, India

MOP-A1.1A: WIDEBAND, MULTIBAND AND CIRCULARLY POLARIZED MICROSTRIP ANTENNAS I

MOP-A1.1A.1: A SELF-DIPLEXING DUAL-BAND PLANAR ARRAY FOR GNSS APPLICATIONS ........................... 1874
Elena Abdo-Sánchez, Teresa M. Martín-Guerrero, Universidad de Málaga, Spain; Jaime Esteban, Universidad Politécnica de Madrid, Spain; Carlos Camacho-Peña, Universidad de Málaga, España

MOP-A1.1A.2: LOW PROFILE TRI-BANDS ANTENNA FOR 1.2/2.4/3.5 GHZ WIRELESS APPLICATIONS ............... N/A
Ali Al-Azza, Frances Harackiewicz, Southern Illinois University of Carbondale, United States

MOP-A1.1A.3: MULTI-RESONANT AGNW/PDMS PATCH ANTENNA FOR BIAXIAL STRAIN SENSING .................. 1878
Clifford Muchler, Zheng Cui, Yong Zhu, Jacob Adams, North Carolina State University, United States

MOP-A1.1A.4: JONES MATRIX AND S-PARAMETER ANALYSIS USING AN EQUIVALENT CIRCUIT .................... 1880
MODEL FOR INTRINSICALLY DUAL CIRCULARLY POLARIZED MICROSTRIP ANTENNAS
Zhenchao Yang, Karl F. Warnick, Brigham Young University, United States

MOP-A1.1A.5: UWB L-PROBE PROXIMITY FED V-SLOT PATCH ANTENNA FOR EARLY ......................... 1882
DETECTION OF BREAST CANCER
Mahrukh Khan, Dhivya Ketharnath, Varun Dandu, Deb Chatterjee, University of Missouri at Kansas City, United States

MOP-A1.1A.6: DUAL-BAND CIRCULARLY POLARIZED STACK RING ANTENNA WITH OPEN GAP ................. 1884
Dongcheol Seo, Youngje Sung, Kyonggi University, Republic of Korea

MOP-A1.1A.7: DESIGN OF A DUAL-BAND MICROSTRIP ANTENNA USING SLOTTED ANNULAR-RING ............ 1886
AND CONCENTRIC DISK
Bo-hua Gan, Liang Zhou, Yao-Pin Zhang, Huahua Zhou, Jun-fa Mao, Shanghai Jiao Tong University, China

MOP-A1.1A.8: MINIATURIZED DIFFERENTIAL DUAL-BAND ANTENNA WITH BANDWIDTH ......................... 1888
IMPROVEMENT FOR WLAN APPLICATION
Yanfang Shen, Xinwei Chen, Runbo Ma, Wenmei Zhang, Liping Han, Shanxi University, China

MOP-A1.1A.9: NOVEL DUAL-BAND AND DUAL CIRCULARLY POLARIZED MICROSTRIP ANTENNA .......... 1890
Chunlan Lu, Juhong Shen, Yisen Cao, Fanqiu Meng, Tinghui Yin, College of Communications Engineering, PLA University of Science and Technology, China

MOP-A1.1A.10: CIRCULAR POLARISED ANNULAR RING MICROSTRIP ANTENNA FOR X-BAND ................. N/A
APPLICATION
Anil Kumar Singh, Ravi Kumar Gangwar, Indian School of Mines, India; Binod Kumar Kanaujia, Ambedkar Institute of Advanced Communication Technologies & Research, India

MOP-A1.2A: MICROSTRIP ANTENNA ARRAYS I

MOP-A1.2A.1: LARGE MICROSTRIP ARRAY ANTENNA WITH HYBRID FEED NETWORK OF ......................... 1894
STANDING AND TRAVELING WAVES
Choon Lee, Mohamed Ezzat, Southern Methodist University, United States
MOP-A1.2A.2: A 4X4 CIRCULARLY POLARIZED APERTURE COUPLED ANTENNA ARRAY FOR KA-BAND SATELLITE COMMUNICATION
Hussam Al-saedi, Mohmmad Fereidani, Wael M. Abdel-Wahab, Rafi Ghoulamreza, Safieddin Safavi-Naeini, University of Waterloo, Canada

MOP-A1.2A.3: INDENTED ANTENNA ARRAY FOR FULL-DUPLEX REPEATER
Qiang Xu, Shihan Qin, Yuanxun Wang, University of California, Los Angeles, United States

MOP-A1.2A.4: APERTURE-COUPLED 2X2 MICROSTRIP ANTENNA ARRAY FOR 60 GHZ APPLICATIONS
Issa Mohamed, Abdel-Razik Sebak, Concordia University, Canada

MOP-A1.2A.5: A FEED CIRCUIT-INTEGRATED PLANAR ARRAY ANTENNA USING ANISOTROPIC CONDUCTIVE PASTE
Shimpei Akimoto, Takashi Yanagi, Toru Fukasawa, Hidenori Ishibashi, Yukihiro Tahara, Hiroaki Miyashita, Mitsubishi Electric Corporation, Japan

MOP-A1.2A.6: A BOWTIE-SHAPED GRID ARRAY ANTENNA RADIATING LINEARLY AND CIRCULARLY POLARIZED BEAMS
Toru Kawano, National Defense Academy, Japan; Hisamatsu Nakano, Hosei University, Japan

MOP-A1.2A.7: LOW PROFILE MULTILAYER DUAL CIRCULAR POLARIZED K-BAND ANTENNA ARRAY FOR AEROSPACE APPLICATIONS
Przemyslaw Gorski, Wroclaw University of Technology, Poland; Juan R. Mosig, École Polytechnique Fédérale de Lausanne (EPFL), Switzerland

MOP-A1.2A.8: A HYBRID-FED DUAL-POLARIZED STACKED PATCH ARRAY ANTENNA FOR KU-BAND RADAR SYSTEMS
Lizhong Song, Yuming Nie, Harbin Institute of Technology, China

MOP-A1.2A.9: GAP-COUPLED SERIES-FED ANTENNA ARRAY WITH IMPROVED BANDWIDTH
Prashant Kumar Mishra, Dhananjay Ramchandra Jahagirdar, Defence Research & Development Organization, India; Girish Kumar, Indian Institute of Technology Bombay, India

MOP-A1.2A.10: PULSED ARRAY OF SPIRAL ANTENNAS FOR SCANNED ENERGY PATTERN WITH LOW SIDE LOBES
Alberto Reyna, Marco Antonio Panduro, Autonomous University of Tamaulipas, Mexico

MOP-A1.2A.11: PERFORMANCE ANALYSIS OF UNIFORM META-MATERIAL LENS EMBEDDED PATCH ANTENNAS
Jaypal Baviskar, Afshan Mulla, Amutha Jeyakumar, Veermata Jijabai Technological Institute (VJTI), India

MOP-A1.3A: WIDEBAND, MULTIBAND AND CIRCULARLY POLARIZED MICROSTRIP ANTENNAS II

MOP-A1.3A.1: WIDE-BAND PLANAR FOLDED LOOP MIMO ANTENNA WITH PARALLEL STUBS
DukSoo Kwon, In-June Hwang, Seung-Tae Khang, Jong-Won Yu, Korea Advanced Institute of Science and Technology, Republic of Korea; Wang-Sang Lee, Gyeongsang National University, Republic of Korea

MOP-A1.3A.2: THE CP HALF E-SHAPED PATCH: EVOLVING FROM LINEAR POLARIZATION TO COMPACT SINGLE FEED CIRCULARLY POLARIZED ANTENNAS
Joshua Kovitz, Jean Paul Santos, Yahya Rahmat-Samii, University of California, Los Angeles, United States

MOP-A1.3A.3: A WIDEBAND CIRCULARLY POLARIZED MONOPOLE ANTENNA ARRAY
Changfei Zhou, S.W. Cheung, Yunfei Cao, T.I. Yuk, University of Hong Kong, Hong Kong SAR of China

MOP-A1.3A.4: HIGH-GAIN CIRCULAR POLARIZATION MONOPOLE ANTENNA USING MS FOR GNSS
Yunfei Cao, S.W. Cheung, T.I. Yuk, Hailiang Zhu, University of Hong Kong, Hong Kong SAR of China
MOP-A1.3A.5: A NOVEL PLANAR CIRCULARLY-POLARIZED ANTENNA USING STEPPED-WIDTH CROSS-DIPOLE
Yu Luo, Qing-Xin Chu, South China University of Technology, China; Lei Zhu, University of Macau, Macao SAR of China

MOP-A1.3A.6: A BROADBAND ANGLED-DIPOLE ARRAY ANTENNA WITH RADOM
Min Guo, Xiao-Bo Xuan, Min Wang, Ming-Ming Fan, Science and Technology on Electromagnetic Scattering Laboratory, China; Shun-Shi Zhong, Shanghai University, China

MOP-A1.3A.7: WIDEBAND STACKED PATCH ANTENNA FOR MODERN COMMUNICATION SYSTEMS
Hao Jiang, Zheng-Hui Xue, Weiming Li, Wu Ren, Beijing Institute of Technology, China

MOP-A1.3A.8: A WIDEBAND MICROSTRIP ARRAY ANTENNA WITH THE 2ND HARMONIC SUPPRESSION CHARACTERISTICS
Sen Feng, Mou-ping Jin, Zhouhai Wang, Qinghua Lai, East China Research Institute of Electronic Engineering, China

MOP-A1.3A.9: MULTILAYER SLOTTED MICROSTRIP ANTENNA FOR WI-FI APPLICATION
Khushboo Tiwari, Dhaval Pujara, Nirma University, India

MOP-A1.3A.10: DESIGN OF WIDEBAND MICROSTRIP ANTENNA WITH SPIRAL SLOT ON GROUND PLAN
Simin Masihi, Adiban Institute of Higher Education, Iran; Pejman Rezaei, Semnan University, Iran; Masoud Panahi, Islamic Azad University of Mashhad, Iran

MOP-A1.3A.11: A WIDE-BAND MINIATURIZED LOADED INVERTED L ANTENNA
Abdullah Haskou, Ala Sharaiha, Sylvain Collardey, University of Rennes 1, France

MOP-A1.2P: BROADBAND PRINTED ANTENNAS I

MOP-A1.2P.1: A SELF-COMPLEMENTARY PICA FOR UWB APPLICATIONS
Nueri Quasem, University of British Columbia, Canada; Atiqur Rahman, North South University, Bangladesh; David Michelson, University of British Columbia, Canada

MOP-A1.2P.2: MULTI-OBJECTIVE OPTIMIZATION FOR UWB ANTENNAS IN IMPEDANCE MATCHING, GAIN, AND FIDELITY FACTOR
Yi-Hsiang Chiu, Yen-Sheng Chen, National Taipei University of Technology, Taiwan

MOP-A1.2P.3: BANDWIDTH ENHANCEMENT OF A BENT PLANAR MONOPOLE ANTENNA BY GROUND PLATE EXTENSION
Kyoichi Iigusa, Fumihide Kojima, Hiroyuki Yano, National Institute of Information and Communications Technology, Japan

MOP-A1.2P.4: A WIDEBAND PRINTED BENT MONOPOLE ANTENNA WITH A SMALL GROUND PLATE AND BASIC STUDY
Kyoichi Iigusa, Fumihide Kojima, Hiroyuki Yano, National Institute of Information and Communications Technology, Japan

MOP-A1.2P.5: WIDEBAND CIRCULARLY POLARIZED MODIFIED TRAPEZOIDAL-SHAPED MONOPOLE ANTENNA
Roshini John, Nanyang Technological University, Singapore; Nasimuddin Nasimuddin, Institute for Infocomm Research (I²R), Singapore; Arokiaswami Alphones, Nanyang Technological University, Singapore

MOP-A1.2P.6: A DUAL BAND DUAL POLARIZED BIDIRECTIONAL HORSE SHOE SHAPE ANTENNA
Mahima Arrawatia, Maryam Shojaei Baghini, Girish Kumar, Indian Institute of Technology Bombay, India

MOP-A1.2P.7: UWB ANTENNA WITH QUINTUPLE NOTCH BANDS
Yunnam Jin, Jaehoon Choi, Hanyang University, Republic of Korea

MOP-A1.2P.8: COMPACT ACS-FED ANTENNA FOR UWB APPLICATIONS
Yantao Yu, Lijun Yi, Xiaoaya Liu, Zhaokai Gu, Jinghe Li, Chongqing University, China
MOP-A1.2P.9: UWB ANTENNA WITH ROUND STEPS...................................................................................................... 1954
Noor Awad, University of Jordan, Jordan; Mohamed Abdelazeez, German Jordan University, Jordan

MOP-A1.2P.10: COMPACT TRIANGULAR SHAPED PRINTED MONOPOLE ANTENNAS FOR BLUETOOTH AND UWB APPLICATIONS
Praveen Naidu Vummadisetty, Symbiosis International University, India; Raj Kumar, ARDE, India

MOP-A1.3P: BROADBAND PRINTED ANTENNAS II

MOP-A1.3P.1: CONDUCTIVE INKJET PRINTED ULTRA-WIDEBAND (UWB) PLANAR MONOPOLE .................................. 1958
Daria Lane, Alejandro Castro, Satish Sharma, San Diego State University, United States

MOP-A1.3P.2: WIDEBAND PRINTED INVERTED-F ANTENNA FOR MIMO SYSTEM .................................................... 1960
Takaumi Fujimoto, Junpei Taguri, Nagasaki University, Japan

MOP-A1.3P.3: DOUBLE FOLDED INVERTED-L ANTENNA FOR ACCESS POINTS................................................................. 1962
Jingya Deng, Lixin Guo, Xidian University, China

MOP-A1.3P.4: A NOVEL DUAL-POLARIZED BROADBAND PLANAR ANTENNA FOR BASE STATIONS .................. 1964
Yehui Cui, Fuyun Li, Yan Pan, South China University of Technology, China; Yi Fan, School of South China University of Technology, China; RongLin Li, South China University of Technology, China

MOP-A1.3P.5: UWB RING-SHAPED METAMATERIAL ANTENNA WITH MODIFIED PHI-SHAPED SRR .................. 1966
Sameer Kumar Sharma, Ashish Gupta, Raghvendra Kumar Chaudhary, Indian School of Mines Dhanbad, India

Mohammad Safarpour, Pejman Rezaei, Somayeh Foroughi, Semnan University, Iran

MOP-A1.3P.7: DESIGN OF A NEW FRACTAL ANTENNA WITH CPW-FED FOR UWB APPLICATION.................. 1970
Djelloul Aissaoui, Tlemcen University, Algeria; A. Tayeb Denidni, National Institute of Scientific Research, Canada; Noureddine Boukli Hacen, Tlemcen University, Algeria

MOP-A1.3P.8: A NOVEL CPW-FED COMPACT UWB MICROSTRIP ANTENNA ................................................................. 1972
Xieyong He, Dongya Shen, Qiong Zhou, Xiupu Zhang, Jie Zeng, Yue Lv, Yunnan University, China

MOP-A1.3P.9: BLADE ANTENNA WITH WIDEBAND DIRECTIVITY................................................................. 1974
Mostafa Salehi, Ayaz Ghorbani, Gholamreza Moradi, Amirkabir University of Technology, Iran

MOP-A1.5P: SPIRAL AND SINUOUS ANTENNAS

MOP-A1.5P.1: TWO STACKED ORTHOGONALLY WOUND SPIRALS WITH CONNECTED ARMS.......................... 1976
Israel Hinostroza, Régis Guinvarc’h, SONDRA, France; Randy Haupt, Colorado School of Mines, United States

MOP-A1.5P.2: A UWB CAVITY-BACKED COMPOUND POWER-ARCHIMEDEAN SLOT SPIRAL FOR BODY CENTRIC WIRELESS COMMUNICATIONS APPLICATIONS .......................... 1978
Jayson Maldonado Vargas, Rafael Rodríguez Solís, University of Puerto Rico, Puerto Rico; Mohamed Elmansouri, Dejan Filipovic, University of Colorado Boulder, United States

Nathan Jastram, Mohamed Elmansouri, Dejan Filipovic, University of Colorado Boulder, United States

MOP-A1.5P.4: ENHANCED TECHNIQUE FOR MINIATURIZATION OF WIDEBAND SPIRAL ANTENNA .......... 1982
Jihwan Ahn, Jun-Gi Jeong, Hyeongi Hong, Young Joong Yoon, Yonsei University, Republic of Korea
MOP-A1.5P.5: ARCHIMEDEAN SPIRAL ANTENNA WITH AN INTEGRATED DUAL BANDSTOP RESPONSE
Jae Jeon, John Chang, Lawrence Livermore National Laboratory, United States; Anh-Vu Pham, University of California, Davis, United States

MOP-A1.5P.6: A CONICAL FOUR-ARM SINUOUS ANTENNA
Shufeng Zheng, Zedong Wang, Xueshi Ren, Xidian University, China; Steven Gao, University of Kent, United Kingdom

MOP-A1.5P.7: CONFORMAL, LIGHTWEIGHT TEXTILE SPIRAL ANTENNA ON KEVLAR FABRICS
Jingni Zhong, Asimina Kiourti, John L. Volakis, Ohio State University, United States

MOP-A1.5P.8: INVESTIGATION OF THE EFFECTS OF SHARP-ENDS REMOVAL IN THE SINUOUS ANTENNA ARMS ON THE RADIATION PATTERNS
Yunsu Kang, Kangwook Kim, Gwangju Institute of Science and Technology, Republic of Korea

MOP-A1.5P.9: A LOW PROFILE CP ANTENNA BASED ON NOVEL HEXAGON GRIDS OPTIMIZATION MODEL
Luyang Duan, Junping Geng, Ronghong Jin, Xianling Liang, Liang Liu, Jingfeng Chen, Chong He, Shanghai Jiao Tong University, China

MOP-A1.1P: BROADBAND ANTENNAS AND SYSTEMS I

MOP-A1.1P.1: INVESTIGATION INTO A MINIATURIZED, WIDEBAND YAGI-UDA ANTENNA
Yen B. Le, Sungkyun Lim, Georgia Southern University, United States

MOP-A1.1P.2: WIDEBAND ARRAY FOR C, X, AND KU-BAND APPLICATIONS WITH 5.3:1 BANDWIDTH
Markus Novak, Ohio State University, United States; Félix Miranda, NASA Glenn Research Center, United States; John L. Volakis, Ohio State University, United States

MOP-A1.1P.3: ANTENNA CHARACTERIZATION FOR THE WIDEBAND INSTRUMENT FOR SNOW MEASUREMENTS (WISM)
Kevin Lambert, Vantage Partners, LLC, United States; Félix Miranda, Robert Romanofsky, NASA Glenn Research Center, United States; Timothy Durham, Harris Corporation, United States; Kenneth Vanhille, Nuvotronics, United States

MOP-A1.1P.4: DESIGN OF AN 8-40 GHZ ANTENNA FOR THE WIDEBAND INSTRUMENT FOR SNOW MEASUREMENTS (WISM)
Timothy Durham, Harris GCSD, United States; Kenneth Vanhille, Nuvotronics, United States; Christopher Trent, Harris GCSD, United States; Kevin Lambert, Vantage Partners, LLC, United States; Félix Miranda, NASA Glenn Research Center, United States

MOP-A1.1P.5: A BROADBAND DUAL-POLARIZATION BASE STATION ANTENNA ELEMENT WITH A COUPLING FEED
Yuan He, Yejun He, Shenzhen University, China; Manos Tentzeris, Georgia Institute of Technology, China

MOP-A1.1P.6: RAPID SIMULATION-DRIVEN DESIGN OF UWB ANTENNAS USING SURROGATE-BASED OPTIMIZATION
Adrian Bekasiewicz, Slawomir Koziel, Reykjavik University, Iceland

MOP-A1.1P.7: BROADBAND FRAGMENTED CYLINDRICAL ANTENNAS

MOP-A1.1P.8: BROADBAND SLEEVE ANTENNAS WITH A CHoke
Takashi Oki, Naobumi Michishita, Hisashi Morishita, National Defense Academy, Japan; Masao Sakuma, Sakuma Antenna, Japan
MOP-A1.1P.9: A DUAL-FREQUENCY AND DUAL-POLARIZATION ANTENNA DESIGN FOR LONG TERM EVOLUTION APPLICATIONS
Ting-Jui Huang, Heng-Tung Hsu, Yuan Ze University, Taiwan

MOP-A1.1P.10: TIME-DOMAIN CHARACTERISTICS OF HORIZONTAL ARRAY ANTENNAS USING DIRECTIVE UWB PULSE RADIATORS
Jae Sik Kim, Young Joong Yoon, Yonsei University, Republic of Korea; Jiheon Ryu, Agency for Defense Development, Republic of Korea

MOP-A1.4P: BROADBAND ANTENNAS AND SYSTEMS II

MOP-A1.4P.1: A SMALL MICROSTRIP ANTENNA FOR THE DIGITAL TELEVISION SYSTEM BY BENT TOPOLOGY
Wen-Bin Tsai, Yen-Ting Lin, Yu-Lin Lee, Chien-Jen Wang, National University of Tainan, Taiwan

MOP-A1.4P.2: DESIGN OF CONSTANT GAIN UWB PLANAR ANTENNA USING SINGLE-LAYER FSS
Rabia Yahya, Makoto Itami, Tokyo University of Science, Japan

MOP-A1.4P.3: MINIATURIZED LOW PROFILE ANTENNA ENABLED BY A COMPLEMENTARY SRR LOADED METASURFACE
Taiwei Yue, Zhi Hao Jiang, Douglas H. Werner, Pennsylvania State University, United States

MOP-A1.4P.4: A COMPACT MULTI-RESONANCE ANTENNA FOR WIDEBAND/ULTRA WIDEBAND APPLICATIONS
Reza Rezaiesarlak, Majid Manteghi, Virginia Polytechnic Institute and State University, United States

MOP-A1.4P.5: WIDEBAND DUAL-POLARIZED BASE STATION ANTENNA WITH IMPROVED RADIATION CHARACTERISTICS
Boliang Liu, Wenbin Qiu, Chang Chen, Weidong Chen, University of Science and Technology of China, China

MOP-A1.4P.6: A LOW PROFILE IR-UWB ANTENNA WITH CONICAL RADIATION PATTERN FOR ON-BODY COMMUNICATIONS
Wonhong Jeong, Jaehoon Choi, Hanyang University, Republic of Korea

MOP-A1.4P.7: DESIGN OF A LOW PROFILE UWB ANTENNA FOR WEARABLE APPLICATIONS
Juneseok Lee, Jaehoon Choi, Hanyang University, Republic of Korea

MOP-A1.4P.8: AN ULTRA-WIDEBAND CROSS-DIPOLE ANTENNA WITH WIDE BEAM FOR DUAL-POLARIZATION APPLICATIONS
Yezhen Li, Xianling Liang, Xudong Bai, Liang Liu, Junping Geng, Ronghong Jin, Shanghai Jiao Tong University, China

MOP-A1.4P.9: COMPACT HIGH GAIN ANTENNA WITH UNBALANCED FED INVERTED L ANTENNA AND PARASITIC PLANES
Mitsuo Taguchi, Yusuke Sasaki, Nagasaki University, Japan

MOP-A1.4P.10: A DIELECTRIC EMBEDDED MONOPOLE ANTENNA FOR SUPER WIDEBAND APPLICATIONS
Meng Cao, Zheng-Hui Xue, Wu Ren, Weiming Li, Beijing Institute of Technology, China

TUP-A1.2A: MILLIMETER-WAVE ANTENNAS AND ARRAYS

TUP-A1.2A.1: EXTERNAL MILLIMETER-WAVE ANTENNA USING SPATIAL COUPLING FOR ANTENNA IN IC PACKAGE
Takayoshi Ito, Hideo Kasami, Toshiba Corporation, Japan

TUP-A1.2A.2: MILLIMETER-WAVE ON-CHIP ARTIFICIAL-MAGNETIC-CONDUCTOR SPIRAL-MONOPOLE BANDPASS-FILTERING ANTENNA
C-C Chou, Yi Wu, W-Y. Ruan, H.-R. Chuang, National Cheng Kung University, Taiwan
TUP-A1.2A.3: ULTRA BROADBAND MULTIPLE FEED ANTENNA FOR EFFICIENT ON-CHIP POWER .......... 2037
COMBINING
Benjamin Goettel, Heiko Gulan, Akanksha Bhutani, Mario Pauli, Thomas Zwick, Karlsruhe Institute of Technology, Germany

TUP-A1.2A.4: A 60 GHZ COMPACT HIGH GAIN AND HIGH EFFICIENCY SI-BASED DIELECTRIC .......... 2039
ANTENNA
Mohamed Basha, Zewail City for Science and Technology, Egypt; Enass Usama, Hussein Ghouz, Arab Academy for Science, Technology, and Maritime Transport, Egypt

TUP-A1.2A.5: HIGH GAIN AND STEERABLE BULL’S EYE MILLIMETRE WAVE ANTENNA ......................... 2041
Shaker Alkaraki, Queen Mary University of London, United Kingdom; Zhirun Hu, University of Manchester, United Kingdom; Yue Gao, Queen Mary University of London, United Kingdom

TUP-A1.2A.6: REDUCTION OF GRATING LOBES FOR SLOT ANTENNA ARRAY AT 60 GHZ USING .......... 2043
MULTILAYER SPATIAL ANGULAR FILTER
Hussein Attia, Milad Sharifi Sorkherizi, Ahmed A. Kishk, Concordia University, Canada

TUP-A1.2A.7: TRANSMISSION LINE MODEL OF RGW SLOT ANTENNA COVERED WITH ...................... 2045
SUPERSTRATE AT 60 GHZ
Hussein Attia, Ahmed A. Kishk, Concordia University, Canada

TUP-A1.2A.8: BROADBAND PRINTED MULTI ARMS QUASI-YAGI ANTENNA FOR MILLIMETER-WAVE .... N/A
APPLICATIONS
Dalia Elsheakh, Electronics Research Institute, Egypt; Magdy F. Iskander, Hawaii Center for Advanced Communication (HCAC), United States

TUP-A1.2A.9: OPTICAL BEAM SCANNING ANTENNA BY WAFFLED LEAKY WAVEGUIDE ....................... 2049
Hiroyuki Arai, Yodai Morimoto, Yokohama National University, Japan

TUP-A1.2A.10: RFIC MEASUREMENT AND OFF-CHIP ANTENNA EXCITATION THROUGH ...................... 2051
PROXIMITY COUPLING AT 60GHZ
Shila Shamsadini, Kambiz Moez, Pedram Mousavi, University of Alberta, Canada; Franco De Flaviis, University of California, Irvine, United States

TUP-A1.2A.11: ON THE STUDY OF FABRICATION ERRORS ON MM-WAVE ANTENNA ......................... 2053
Mohammad Zomorrodi, Nemai Chandra Karmakar, Monash University, Australia

TUP-A1.1A: LENS ANTENNAS FOR MM AND SUB-MM WAVES

TUP-A1.1A.1: A LENS-INTEGRATED ON-CHIP CIRCULAR SLOT ANTENNA FOR A 240 GHZ POWER .......... 2055
SOURCE IN SIGE TECHNOLOGY
Janusz Grzyb, Konstantin Statnikov, Neelanjan Sarmah, Ulrich Pfeiffer, Bergische Universität Wuppertal, Germany

TUP-A1.1A.2: 60 GHZ MULTI SIN-CORRUGATIONS ANTIPODAL FERMI TAPERED SLOT ANTENNA .......... 2057
LOADED WITH A SPHERICAL LENS
Zouhair Briqech, Abdel-Razik Sebak, Concordia University, Canada; Tayeb A. Denidni, INRS, Canada

TUP-A1.1A.3: CONSTANT REFRACTIVE INDEX LENS PRINTED YAGI ANTENNA FOR AUTOMOTIVE .......... N/A
RADARS
Faris Alsolamy, Ahmed AlAmoudi, Sultan Almorqi, NCSDST-KACST, Saudi Arabia; Osama Haraz, Saleh Alshebeili, KACST-TIC, Canada; Abdel-Razik Sebak, Concordia University, Canada

TUP-A1.1A.4: WIDEBAND COMPACT VIVALDI ANTENNA LOADED WITH DIELECTRIC LENS FOR .......... 2061
MILLIMETER-WAVE APPLICATIONS
Muhammad Ashraf, Osama Haraz, KACST Technology Innovation Center in Radio Frequency and Photonics for the e-Society, Saudi Arabia; Abdel-Razik Sebak, Concordia University, Canada; Saleh Alshebeili, KACST Technology Innovation Center in Radio Frequency and Photonics for the e-Society, Saudi Arabia
TUP-A1.1A.5: WIDE BAND MM-WAVE, DOUBLE-SIDED PRINTED BOW-TIE ANTENNA FOR PHASED ARRAY APPLICATIONS
Meijiao Li, Calvin Domier, Xiaoguang Liu, Neville Luhmann, University of California, Davis, United States

TUP-A1.1A.6: 60 GHZ PLANAR FRENSEL ZONE LENS
Xiaozhou Wang, Michael Jenning, Dirk Plettemeier, TU Dresden, Germany

TUP-A1.1A.7: DESIGN OF THE MODIFIED CYLINDRICAL LUNEBERG LENS ANTENNA FOR MILLIMETER WAVE IMAGING
Esha Johari, Zubair Akhter, Jaleel Akhtar, IIT-Kanpur, India

TUP-A1.1A.8: MATCHING LAYER DESIGN TO IMPROVE THE PERFORMANCE OF AN INHOMOGENEOUS DIELECTRIC FLAT LENS AT MILLIMETER-WAVE FREQUENCIES
Marc Imbert, Jordi Romeu, Lluis Jofre, Universitat Politècnica de Catalunya, Spain

Enass Usama, Hussein Ghouz, Arab Academy for Science, Technology, and Maritime Transport, Egypt; Mohamed Basha, Zewail City for Science and Technology, Egypt

TUP-A1.1A.10: ULTRA-WIDEBAND, DUAL-MODE MILLIMETER-WAVE MICRO HEMISPHERICAL SHELL ANTENNA
Amir Mirbeik, Stevens Institute of Technology, United States; Vahid Tavassoli, Farrokh Ayazi, Georgia Institute of Technology, United States; Negar Tavassolian, Stevens Institute of Technology, United States

TUP-A1.3A: MILLIMETER-WAVE ANTENNAS AND TECHNIQUES

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