

# Symposium Program

## Keynote Addresses: October 28 9:00~11:40AM

- 9:00AM~9:30AM Prof. Christos Christodoulou
- 9:40AM~10:10AM Prof. George Eleftheriades
- 10:30AM~11:00AM Prof. Altan M. Ferendeci
- 11:10AM~11:40AM Prof. Junhong Wang

## 1PA-EMC: October 28 14:00~17:30PM

- EMC106** *Reduction of Mutual Coupling Between Closely-Packed Antenna Elements Using Defected Ground Structure*  
Zhu,Fuguo Xu, Jiadong Xu, Qian
- EMC110** *Analysis and Modeling on Linearity for Multithrow TX/RX Switches*  
C.-J.Weil, S. Srinivasan, D. Prikhodko, J. Mason, O. Klimashov, G. Zhou, G. Tkachenko, D. Bartle
- EMC113** *A Higher Order ADI-FDTD Method for EM Propagation in Plasma*  
Liu,Song Liu,Shaobin Song,Han
- EMC118** *Convergence Analysis of Runge-Kutta Multiresolution Time-Domain Scheme Based on the Coifman Scaling Function*  
Chen,Xinlei Cao,Qunsheng
- EMC120** *Cylinder Model of Human Body Impedance Based on Proximity Effect*  
Ruan,Fanming Tomasz Dlugosz Shi,Dan Gao,Yougang
- EMC127** *A High-Power Ka-Band Power Amplifier Design Based on GaAs PHEMT Technology for VSAT ODU Applications*  
Li,Dezhong Wang,Cong Huang,Wencheng Ram Krishna Maharjan Cho,SungJin Bhanu Shrestha Gear Inpyo Kyung Kim,NamYoung
- EMC129** *A Novel Model Analysing the Response of Transmission Line Excited by Electromagnetic Field*  
Wang,Yumei Su,Donglin Jia,Yunfeng
- EMC135** *RCS Calculation of Conducting Targets in Strong Random Media for E-Wave Polarization*  
Hosam El-Ocla
- EMC136** *Study of Data-Processing Method in Planar Near-Field Measurements on Phased Array Antennas*  
Yu,Ding Yang,Lin Fu,Demin Liu,Qizhong
- EMC137** *Comparison of SARs Induced in a Heterogeneous Human Brain Model*  
Alina Buleandra Teodor Petrescu
- EMC158** *Three Types of Electromagnetic Noise between Pantograph and Catenary*  
Chen,Song Sha,Fei

- EMC159**      ***Bandwidth Conversion of the APD for Different Kinds of Interference Signals***  
 Shan,Qin      Wen,Yinghong      Zhou,Kesheng
- EMC206**      ***Development of A New Line Impedance Stabilization Network System***  
 Sun,Yi      Zhang,Xiaodong      Wei,Chien      Sun,ChiHsien      Chiu,ChienChing
- EMC207**      ***Voltage-Mode Multifunction Biquad Filter Using FDCCII***  
 Chen,Huapin      Sun,Yi      Zhang,Xiaodong
- EMC209**      ***Impact of Excitation Position and Plane Spacing on Far Field Radiation of Power-Ground Plane Pair***  
 Fan,Hongmei
- EMC210**      ***Investigation of Signal Cable/Ground Plane Resonant Impedance***  
 Liu,Yuedong      Su,Donglin
- EMC213**      ***HFSS Simulation of GTEM Cell and Analysis of Normalized Electric-field Strength in EMI Measurements of GTEM Cell***  
 Li, Ji      Li,Shufang      Xing,Shuguang      Kan,Runtian

**1PB-Antennas:      October 28      14:00~17:30PM**

- AN143**      ***Design of an Aperture-Coupled Microstrip Antenna for Mobile Communication***  
 Khondaker Refai Arafat      Md.Ruhul Amin
- AN153**      ***Modeling of VLF Valley Transmitting Antenna***  
 Liang,Yujun      Zhang,Zhigang
- AN156**      ***Effects of Superstrate with Improved SSRRs on the Radiation of Microstrip Antenna***  
 Zhao,Yuchen      Wan,Guobin      Zhao,Huiling      Zheng,Wenquan
- AN157**      ***BRDF Evaluation From a Two-Dimensional Fractal Rough Surface***  
 Chen,Ming      Tian,Yan      Wu,Yingchun
- AN158**      ***A New Low Profile Antenna with Improved Performance for Satellite On-the-Move Communications***  
 Jiang,Yuanyuan      Stephen J Foti      Alistair Sambell      David Smith
- AN207**      ***Research on Conductive Performance of Inkjet Printing Samples by Conductive Inkjet Ink***  
 Fang,Yi      Li,Luhai      Xin,Zhiqing      Zhao,Wen
- AN208**      ***Printed Quadrifilar Helix Antenna with Integrated Feed Network***  
 Fu,Shiqiang      Fang,Shaojun      Lu,Kai      Wang,Zhongbao
- AN144**      ***Design of Omnidirectional UWB Notch Antennas***  
 Yuji Tanabe      Tomoki Uwano      Takaaki Baba
- AN237**      ***Design New Ultrawide-Band Planar Metal-Plate Monopole Antenna by FDTD Method***  
 Li,Zengrui      Pan,Shengwei      Jiang,Kaibo      Wang,Junhong
- AN241**      ***A Standard Shielded Loop Antenna with Load Resistor***  
 Xia,Yingqing      Luo,Jia      Ye,Huan
- AN243**      ***Cored Circle Patch Antenna for Automotive ETC System***  
 Xia,Yingqing      Li,Aisheng      Huang,Qi
- AN246**      ***Design of a Circularly Polarized 8×8 Patch Antenna Array Using a New Series-Parallel Feed***  
 Zhang,Yanjuan      Chen,Aixin      Cao,Shunfeng      Su,Donglin
- AN247**      ***A Phased Array Antenna System for INMARSAT Mobile Ground***

**Terminal**

- Feng,Kuisheng      Li,Na      Xu, Jiadong
- AN248**      ***A 2.45-GHz Localized Elements Rectenna***  
B.Merabet   F.Costa   H.Takhedmit   C.Vollaire   B.Allard   L.Cirio   O.Picon
- AN253**      ***A Small Couple Slotted Antenna for Ultra Wideband Application***  
Yusnita Rahayu   Tharek Abd.Rahman   Razali Ngah   P.S.Hall
- AN269**      ***An Air-supported Wideband Circularly Polarized Patch Antenna***  
Basit Ali Zeb      Peter Meincke

**1PC-Signal Processing: October 28      14:00~17:30PM**

- SP103**      ***A Design of High-range Resolution Radar Signal Synthesizer***  
Li,Baoxue   Zhang,Bing   Fei,Yuanchun   Zhao,Qi   Li,Baoxue
- SP105**      ***An Integrated Uplink-Signal Detection Method of Railway Balise System Based on Wavelet Ridge***  
Zhao,Linhai   Li,Zhankui   Liu,Weining   Fa,Xuetao
- SP206**      ***FM Interference Suppression for PRC-CW Radar Based on Adaptive STFT***  
Zhao,Zhao   Wang,Zhihua   Shi,Xiangquan
- SP209**      ***Application of Genetic Algorithm on Dielectric Cylinder Microwave Imaging in Freespace***  
Xu,Hui   Zhou,Tingting   Peng,Liang
- SP217**      ***Optimal RS Location and Bandwidth Allocation for Relay System with Decode-amplify-forward Scheme***  
Hu,Chunjing   Peng,Yuexing   Wang,Wenbo   Young il Kim
- SP218**      ***Performance Analysis of Self-calibration Algorithm for Y-shaped Array in the Presence of Mutual Coupling***  
Wu,Biao   Chen,Hui
- SP219**      ***Research on the Scattering Coefficient Measurement Method Based on LFMCW***  
Wang,Lingyan   Chen,Zhuming   Huang,Wei   Wang,Xuegang
- SP102**      ***Simulation Study of Transverse Delay Filtering and IQ Quadrature Filtering***  
Tan,Hui   Song,Wenwu   Ding,Zhiyao
- SP106**      ***The Simulation Analysis of Influence on Jointless Track Circuit Signal Transmission from Compensation Capacitor Based On Transmission-Line Theory***  
Zhao,Linhai   Li,Hong   Liu,Weining
- SP216**      ***Transponder with Undersampling Method***  
Wang,Yiding
- SP238**      ***Configure Cognitive Radio using GNU Radio and USRP***  
Song,wenmiao
- SP245**      ***A Variable Forgetting Factor RLS Adaptive Filtering Algorithm***  
Wang,Junfeng
- SP249**      ***An Ultra-high-speed Comparator for ADC in 90nm CMOS Technology***  
Ye,Song   Wu,Jie
- SP254**      ***Monopulse Characteristic Based on Full Digital Weighting for Phased Array Radar at Subarray Level***  
Hu,Hang   Diao,Hongcui   Xu,Ying

SP255 ***ADBF at Subarray Level Using a Generalized Sidelobe Canceller***  
Hu,Hang      Liu,Enxiao      Xiao,Yong

**1PD-Propagations: October 28      14:00~17:30PM**

- PRO202 ***Characteristic of EM-wave Anomalous Propagation in Marine Evaporation Duct***  
Zhao,Xiaolong      Huang,Jiying
- PRO208 ***Study of ELF Electromagnetic Fields from a Submerged Horizontal Electric Dipole Positioned in a Sea of Finite Depth***  
Liu,Chao      Zheng,Longgen      Li,Yongping
- PRO216 ***Analysis of Scattering by a Deep Open Cavity using the Mixed-Order Finite Element Method***  
Chen,Aihong      Chen,Aixin
- PRO220 ***Modeling of Wideband HF Ionosphere Channel and Research on Its Equivalent Characteristics***  
Zhang,Lanlan      Yan,Zhaowen
- PRO223 ***Maliuzhinets Diffraction Coefficient Applied to Hilly Terrain Scenario***  
Sanjay Soni      Amitabha Bhattacharya
- PRO224 ***Comparative Analysis of Ray tracing, Finite Integration Technique and Empirical Models Using Ultra-Detailed Indoor Environment Model and Measurements***  
P.N.Zakharov      E.V.Mikhailov      A.A.Potapov      A.F.Korolev      A.P.Sukhorukov
- PRO201 ***Effects of the 4–20 April 2006 Major Geomagnetic Storms on GPS Ionospheric Scintillations at Guilin***  
Zou,Yuhua      Geng,Guangyu
- PRO203 ***Measuring and Analyzer of Rain Attenuation for Satellite Communication in Ku Band***  
Xu,Kai      Xiang,Shunxiang      Huang,Linshu
- PRO207 ***An Electromagnetic Resonate Absorber Based on SRRs***  
Zhao,Shoujun      Bao,Junsong      Qian,Zuping      Wu,Ruixin
- PRO212 ***Nonlinear Heating Effects of Stong Wave Longitudinal Propagation in the Ionosphere***  
Yu, Daojie      Wang, Jianmin      Lin, Xin      Guo, Yuhua      Cui, Weiqun
- PRO214 ***A Volume-surface Integral Equation Solver for Scattering from Microstrip Antenna on Anisotropic Substrate***  
Yuan, Jiade      Gu, Changqing
- PRO215 ***Approximate Technique for Calculating Attenuation Factor of Ground-Wave Propagation over the Inhomogeneous Surface***  
Huang,Liang      Xu, Jiadong      Zhu, Fuguo      Yan, Wei
- PRO217 ***Propagation of the Electromagnetic Pulse through Inhomogeneous Plasma Medium***  
Ning,Fang      Wang,Baofa
- PRO225 ***Impact of Bandwidth, Center Frequency and Spatial Position on the Results of Ultra-Wideband Power Delay Profile Measurements and Accuracy of Predictions***  
P.N.Zakharov      A.K.Babushkin      A.F.Korolev      A.V.Kozar
- PRO228 ***Numerical Simulation of Spreading Effect of Collimated Laser Beam in a Atmospheric Turbulence***

**2AA-EMC:      Octobet 29      8:30~12:00AM**

- EMC142      *A Comparative Analysis of the CC and CE Type Buffers in Differential LC VCOs for Phase Noise***  
 Cong Wang      De-Zhong Li      Ram Krishna Maharjan      Sung-Jin Cho  
 Bhanu Shrestha      Gear Inpyo Kyung      Nam-Young Kim
- EMC146      *Analysis of the Factors Influencing the Source Stirred Reverberation Chamber Performance***  
 Liang,Shuanggang      Xu, Jiadong      Du,Hao      Zhang,Haidong      Shang,Gaoping
- EMC149      *3D Representation of Electromagnetic Environment on Irregular Terrain***  
 Yang,Chao      Xu,Jiangbin      Song,Hanchen      Wu,Lingda
- EMC152      *The Multiple Scattering Expansion Coefficients of Cluster Soot Particles***  
 Bai,Lu      Wu,Zhensen      Li,Haiying      Tang,Shuangqing      Xie,Pinhua  
 Wang,Shimei
- EMC153      *The Study on Geometry-Specific Antenna Factor***  
 Wu,Di      Zhu,Gang
- EMC154      *Research of Frequency Assignment Based on Genetic Algorithm***  
 Chen,Hao      Wang,Guodong
- EMC156      *The definition of APD limits for base-band digital***  
 Men,Shuixian      Wang,Guodong
- EMC157      *Characteristics of Radio Frequency Interference from Pantograph Arcing in Car of Traction Stock***  
 Wang,Guodong
- EMC204      *Fast EMC Analysis of Electrically Large Structure by PO-TDIE Hybrid Method***  
 Qin,Yujian      He,Jianguo      Wang,Ting      Luo,Weixing      Ren,Meng
- EMC205      *Preliminary Study of the Applicability of RS103 in GJB151A/152A***  
 Xie,Dagang      Hou,Dongyun      Fang,Chonghua
- EMC226      *A New Definition and Relevant Measurement Techniques for Evaluating Shielding Effectiveness of Equipment Enclosures***  
 Cui,Yong      Sha,Fei
- EMC160      *The Conversion from APD Value to Traditional Detector Value for Pulse Interference***  
 Shan,Qin      Wen,Yinghong      Zhou,Kesheng
- EMC214      *Output Prediction about Crosstalk of Representative Multi-cable Bundle on Aircraft Platform Based on Neural Network***  
 Dai,Jian      Dai,Fei      Zhao,Xiaoying
- EMC216      *Fast Modelling of Microwave Circuits Exploiting Space Mapping Technology***  
 Cao,Cheng      Dai,Fei
- EMC218      *The Optimization of the Parabolic Reflector Antenna Layout with Genetic Algorithm and Geometrical Theory of Diffraction***  
 Zhang,Jinshuo      Xie,Shuguo      Liu,Yan
- EMC221      *Nonlinear EMC Simulation Method Based on Grey System Theory***  
 Chen,Wenqing      He,Xiaomu      Mo,Qinhua      Su,Donglin
- EMC222      *Field-circuit Cooperated Simulation of Field-transmission Line***

### **Coupling**

Wang,Yumei      Su,Donglin      Jia,Yunfeng

## **2AB-Antennas:                      October 29                      8:30~12:00AM**

- AN212                      *Evaluation on Anti-jamming Efficiency of Coherent Sidelobe Cancellation***  
Zhu,Ying      Gao,Qina      Jia,Mingjie
- AN214                      *A Novel Element Antenna with Flat-Topped Pattern in the Applications of Limited Scan Array***  
Du,Hailong      Yan,Lubin
- AN224                      *Method Study on Randomizing Phase Feeding for Circular Arrays Based on Genetic Algorithms***  
Dong,Liang      Zhang,Jun
- AN225                      *Super Wideband Fractal Antenna Design***  
Abolfazl Azari
- AN228                      *Generation of a Stop Band for a Low-Profile BOR-based Antenna***  
Hisamatsu Nakano      Shunichi Yamazaki      Junji Yamauchi
- AN229                      *A High-Gain and Broadband Printed Array Antenna Consisting of Seven Hexagonal Compound Air-Fed Sub-Arrays***  
He,Xiang      Zhang,Wenxun      Wu,Zhihang
- AN230                      *High-precision Direction Finding of RADAR Emitter Signals Based on Space-borne Sparse L-Array***  
Wu,Shilong      Luo,Jingqing
- AN231                      *Pattern Matching by Optimizing Load in a Reflectarray Antenna***  
Amulya Bhattarai      Jon Wallace
- AN238                      *Compact T-Shaped CPW-Fed Printed Antenna for 3.5GHz WiMAX Applications***  
Pei Cheng Ooi      Krishnasamy T. Selvan
- AN110                      *Wideband Planar Open-Sleeve Dipole on Magnetic Dielectric Material Based EBG Substrate***  
Ding,Chaoyuan      Ruan,Chengli      Peng,Lin      Yin,Xunca
- AN113                      *The Radio Propagation Affected by Variation of Refractive Index***  
Li,Wei      Liang,Yitao      Fu,Maixia
- AN261                      *A Millimeter Wave Circular Polarized Microstrip Antenna Based on Linear Polarized Subarrays***  
Xu,Qiang      Sun,Houjun      Lu,Xin      Liu,Jianxun
- AN270                      *A Method for the Design of Miniaturized Suspended Plate Multiband Antennas***  
Guy Joseph Nga      Li,Qingxia
- AN271                      *Polarization-Dependent Artificial Magnetic Conductor Structures Using Asymmetrical Frequency Selective Surface***  
Mirshahram Hosseinipan      Wu,Qun
- AN274                      *A Low-cost Shorted-patch Antenna for GSM900/1800 Application***  
Xu,Jie      Shen,Dongya      Huang,Bixiang      Yang,Jun

## **2AC-Signal Processing:                      October 29                      8:30~12:00AM**

- SP221                      *Doppler Compensation Algorithm Based on Pseudorandom Sequence***  
Su,Xi      Wang,Yiyang

- SP223**      ***Study on Doppler allowance and its Extension of Pseudo-noise Code Phase Modulation Fuse***  
Zhang,Qinghui      Yin,Hui
- SP224**      ***Low Complexity Down-Sampled MMSE (DMMSE) Channel Estimation for Downlink OFDMA IEEE 802.16e System***  
Savitri Galih      Riafeni Karlina      Fifin Nugroho      Ade Irawan      Trio Adiono  
Adit Kurniawan
- SP225**      ***Channel Estimation for TDS-OFDM-Based DTTB Systems in the Presence of Phase Noise***  
Zheng,Ziwei
- SP228**      ***Adaptive Beamforming With Joint Robustness Against Signal Mismatch and Interference Nonstationarity***  
Wu,Baozhong      Qian,Zuping      Qu,Xinbo
- SP229**      ***Precoder Design in Cooperative Systems with Amplify-and-Forward Relaying***  
Zheng,Kan      Long,Hang      Wang,Wenbo      Huang,Lin
- SP232**      ***Influence of Position Error on TDOA and FDOA Measuring of Dual-satellite Passive Location System***  
Wu,Shilong      Luo,Jingqing
- SP233**      ***Performance Analysis on Conditional Error Ratio in HARQ Transmission***  
Long,Hang      Wang,Wenbo      Zheng,Kan      Wang,Fangxiang
- SP239**      ***An Efficient Iterative Algorithm for Joint Frequency Synchronization and Channel Estimation in OFDM Systems***  
Jiao,Chaoqun      Sun,Yi      Rainfield Y.Yen      Liu,Hongyu      Lin,Tachou      Cheng,T.T.
- SP242**      ***A Polarization Filtering Method Based On Oblique Projection Operator***  
Liu,Aijun      Mao,Xingpeng      Deng,Weibo
- SP244**      ***Two Effective Unicast Modes in MIMO Multi-relay Systems***  
Wei,Meiying      Hu,Chunjing      Long,Hang      Zheng,Kan      Wang,Wenbo
- SP246**      ***New Beamformer for Coherent Signal Reception in the Presence of Uncorrelated Interferences***  
Zhao,Yongbo      Shui,Penglang
- SP250**      ***On the Performance of Space-Time Codes over Double Correlated MIMO Fading Channels***  
Lin,Min      Hong,Liu      Yang,Luxi
- SP251**      ***An Effective Method for Joint DOA and Delay Estimation***  
Du,Ruiyan      Wang,Jinkuan      Zhou,Qinping
- SP252**      ***A Highly-Effective Time and Frequency Synchronization Scheme for OFDM Wireless Communication System***  
Han,Gujing      Qin,Liang

**2AD-Microwave Electronics:      October 29      8:30~12:00AM**

- ME206**      ***Effective Optimization of Microstrip Transformer Using FDTD Simulation and Cascade Connection of Scattering Matrices***  
Xuan,Xiaofeng      Mao,Jianbo      Yang,Mingwu      Jiang,Wanshun      Liu,Jinxian
- ME208**      ***Stability Analyses of MMIC Power Amplifiers***  
Liu,Yu      Yang,Tao      Yang,Ziqiang
- ME211**      ***A Ka Band Quadrature Down-Converter MMIC***

- Liu,Yu      Yang,Tao      Yang,Ziqiang
- ME212**      ***A Novel Miniaturized Four-Section SIR Filter***
- Liu,Yu      Yang,Tao      Yang,Ziqiang      Da,Sha      Gong,Linling
- ME217**      ***Analysis of Coupled Nonuniform Transmission Lines as an Initial Value Problem***
- Mohammad Khalaj-Amirhosseini
- ME221**      ***Numerical Simulation of Transmission in Depressed Trapezoidal-Ridge Waveguide Based on FEM***
- Sun,Hai      Wang,Zewen      Wei,Zhou
- ME225**      ***A LTCC Power Amplifier for a Ku-band Transmitted Module***
- Ji,Jianhua      Li,Yinqiao      Zhou,Jianming      Fei,Yuanchun
- ME230**      ***Analysis of New Quadruple T-Septum Waveguides with the Method of Lines***
- A.Akbarzade h-Jahromi      M.Khalaj- AmirHosseini
- ME232**      ***A Compact Low Pass Filter with Good Stopband Performance Using a Open-loop-arms Defected Ground Structure Unit***
- Mou,Jinchao      Yu,Weihua      Sun,Houjun      Lv,Xin
- ME233**      ***Study of Feedback Technology for Gain Flatness of UWB LNA***
- Xie,Hongyun      Zhang,Wanrong      Li,Jia      Shen,Pei      Huang,Yiwen      Huang,Lu      Hu,Ning
- ME234**      ***A LTCC Band Pass Filter for Wireless Applications***
- Yuan,Bo      Yu,Weihua      Sun,Houjun      Lv,Xin
- ME238**      ***A Novel Reflection-type Phase Shifter Employing Defected Ground Structure***
- Huang,Shenlei      Liu,Xueguan      Cai,Wenfeng
- ME239**      ***Linearizing Wideband Wireless Transmitters Using Memory Effect Separation Based Linearization Techniques***
- Liu,Taijun      Ye,Yan      Xu,Tiefeng      Zeng,Xingbin      Fadhel M.Ghannouchi
- ME243**      ***FPGA Implementation of Augmented Hammerstein Predistorters for RF Power Amplifier Linearization***
- Xu,Gaoming      Liu,Taijun      Ye,Yan      Xu,Tiefeng
- ME131**      ***Design on GSM-R Band Quasi-elliptic Function Microstrip Filter***
- Zhang,Xiaoyan      Zhou,Kesheng      Wen,Yinghong

**2PA- Electromagnetic Waves: October 29      14:00~17:30PM**

- EW222**      ***Miniaturised Left-handed Stepped Impedance Resonator for WLAN Applications***
- Shokrollah Karimian      Hu,Zhirun
- EW223**      ***Radiation of a Line Source by a Slotted Semielliptical Trench Filled With DNG Metamaterial***
- Akgol Oguzhan      Erricolo Danilo      L.E.Uslenghi Piergiorgio
- EW243**      ***Scattering of Arbitrary Direction Gaussian Beam from Bisphere***
- Li,Zhengjun      Wu,Zhensen      Li,Haiying      Zhang,Jingjian
- EW201**      ***Characteristics and Optimal Miter of Microstrip Bend by the Finite Difference Time Domain Method***
- Mao,Jianbo      Yang,Mingwu      Liang,Huaguo      Liu,Jinxian      Zhang,Meng
- EW202**      ***A New Error Calibration Method for Aperture      Synthesis Radiometers***

- Xu,Kai    Zhu,Guangxi    Huang,Quanliang    He,Fangmin
- EW205**    ***A Study on the Choice of Combination Coefficient for Combined Field Integral Equation***  
Zhou,Yongjin    Zhou,Xiaoyang    Cui,Tiejun
- EW207**    ***A Novel Periodic Defected Ground Structure for Microstrip Line with Improved Performances***  
Peng,Lin    Ruan,Chengli    Ding,Chaoyuan
- EW208**    ***Miniature Filters Based on Metamaterials with Transmission Zeros and Wide Upper-stopband Performance***  
Peng,Lin    Ruan,Chengli    Ding,Chaoyuan
- EW209**    ***Application of Grid-Cell Combination in 2D-FDTD Modeling of ELF Propagation and Schumann Resonances of the Earth***  
Xia,Hangang    Wang,Yi    Cao,Qunsheng
- EW210**    ***Design and Optimization of Microstrip-to-CPW Right-angled Transition Using Finite Difference Time Domain Method***  
Xu,Yinsheng    Mao,Jinbo    Yang,Mingwu    Xuan,Xiaofeng    Liu,Jinxian
- EW212**    ***Electromagnetic Polarization Conversion by Multilayered Structure of Metal-dielectric Films on Optical Wave Band***  
Zhao,L.    Zhu,T. T.    Liang,Y.J.    Xie,H.
- EW213**    ***A Fast Efficient Technique for Solving monotonic RCS Using the Svd Method***  
Gu,Jingjing    Gu,Changqing
- EW214**    ***An Improved Hybrid Technique for Computing the RCS of Dihedral Corner Reflector with a Protrusion***  
Geng,Fangzhi    Pan,Yingfeng    Qin,Kaibing    Xia,Dongyu
- EW215**    ***System-Level Construction of Multiconductor Transmission Line Inductance Matrix***  
Xu,Jun    Lv,Yinghua
- EW216**    ***Analysis of the Dispersion characteristics of Microstrip Lines on Anisotropic Substrate with Spectral-Domain Method***  
Wang,Wei    Li,Kai    Chen,Dan    Li,Wencheng    Li,Lei

## **2PB-(1)Remote Sensing; (2) Microwave Electronics:**

**October 29    14:00~17:30PM**

- SEN103**    ***A Data Aggregation and Routing Scheme of Cobweb Model in Wireless Sensor Networks***  
Zhang,Jizan
- SEN106**    ***Antenna Temperature Calibration Algorithm and Design of the Calibration Experiment for Spaceborne Microwave Radiometers***  
Zhao,Jin    Dong,Xiaolong    Zhang,Dehai
- SEN172**    ***A Statistical inversion algorithm for Aperture Synthesis Radiometers***  
He,Fangmin    Li,Qingxia    Zhu,Yaoting    Chen,Ke    Xiong, Zubiao
- SEN203**    ***Near-field Imaging of One-dimensional Aperture Synthesis Radiometers***  
Chen,Liangbing    Li,Qingxia    Xiong,Zubiao    Chen,Ke    Zhu,Yaoting
- SEN204**    ***Improvement of Classification Accuracy Integrating C- And X-Band Synthetic Aperture Radar Data***  
Jia,Kun    Wu,Bingfang    Li,Qiangzi    Tian,Yichen

- SEN205** *Phase and Amplitude Calibration of the HUST Ku-band Aperture Synthesis Radiometer Using External Source*  
Chen,Ke Guo,Wei Li,Qingxia He,Fangmin Jin,Rong
- SEN206** *An Image Restoration Method for Reducing the De-correlation Effects in InSARad*  
Hu,Anyong Liu,Chongkan Miao,Jungang
- SEN210** *A Multipath-resistant Precise Tracking Method for BOC Signal*  
Yao,Yanxin Yang,Dongkai Ding,Fan
- SEN212** *Comparisons of ISAR Time-frequency Imaging Methods*  
Hu,Weidong Zhang,Yan Sun,Houjun Lv,Xin
- SEN207** *Soil Salinization Study in Angulinao Wetlands Based on Multi-source Remotely Sensed Imagery*  
Zhang,Lina Wu,Jicang Cheng,Xiao Peng,Guangliang
- ME101** *Digital Part in 915MHz UHF RFID Tag*  
Feng,Yujing Zhang,Wei Xing,Xiaohui
- ME104** *Design and Implement for Test in a Complex System on Chip*  
Wei,Jinghe Yu,Zhiguo Yu,Zongguang Shi,Longxing
- ME109** *Demodulator for TH-UWB RF Receiver in 90-nm CMOS Technology*  
Duan,Jihai Wang,Zhigong Li,Zhiquan
- ME111** *A 108 GHz GaAs MHEMT VCO MMIC*  
Wang,Weibo Wang,Zhigong Zhang,Bin Kang,Yaohui Wu,Liqun  
Yang,Naibin
- ME112** *A Low-IF Front-end Receiver in 0.18- $\mu$ m CMOS for 2.4-GHz Band IEEE 802.15.4 WPAN Applications*  
Wei,Baolin Dai,Yujie Zhang,Xiaoxing Lu,Yingjie
- ME114** *A Wideband Circuit Model of On-Chip Spiral Inductor in 0.13 $\mu$ m CMOS Process*  
Liu,Lintao Yu,Mingyan Wang,Jinxiang Jiang,Ming
- ME130** *Tunable Metamaterials by varying the Inductance and Capacitance of S-shaped Resonator*  
M. F. Khan M. J. Mughal

## 2PC-Systems and Services: October 29 14:00~17:30PM

- SS103** *Compound Sacrificial Layer Process for RF MEMS Applications*  
Zhang,Yonghua Wang,Chao Ouyang,Weixia Lai,Zongsheng
- SS111** *GNSS Signal Acquisition Platform Design*  
Wang,Jian Lu,Debiao Liang,Kun Shangguan,Wei
- SS113** *InGaAs/GaAs HBT based MMIC Differential VCO for S-Band Satellite Communication Applications*  
Ram Krishna Maharjan Nam-Young Kim
- SS114** *Wide Dynamic Range RF VGA for Digital Video Broadcasting Satellite Receiver Tuner*  
Bhanu Shrestha Nam-Young Kim
- SS116** *Polyphase based VLBI Wideband Digital SSB Converter of Random IF Signal*  
Chen,Lan Zhang,Xiuzhong Luo,Jintao Wan,Guochun
- SS119** *A Broadband MMIC Mixer using VBIC-Model InGaP/GaAs HBT for Interference Cancellation System*

- Young-Ho Lee      Cong Wang      Nam-Young Kim
- SS217**      ***A Novel Retransmission Strategy without Additional Overhead in Relay Cooperative Network***  
 Shao,Lan      Wang,Wenbo      Long,Hang      Peng,Yuexing
- SS221**      ***Distributed Power Control for OFDMA based Spatial Multiplexing Multi-hop Systems***  
 Fan,Bin      Wang,Wenbo      Lin,Yicheng      Zheng,Kan
- SS233**      ***A Novel Location Service for Urban Vehicular Ad Hoc Networks***  
 Zhang,Guoqing      Chen,Wu      Hong,Liang      Mu,Dejun
- SS223**      ***Wavelet-Based Pulse Design for UWB Vehicular Radar***  
 Xia,Bin      Xie,Nan      Li,Junbin
- SS224**      ***R-Sensing:a Route Solution for Wireless Sensor Measurement System***  
 Chen,Chang      Song,Ping      Li,Kejie
- SS225**      ***Research on Sites' Structure of HF Air-To-Ground Communications***  
 Wu,Wen      Da,Xinyu      Liu,Yunjiang
- SS226**      ***Visual Infrared Image Computation of Complex Target***  
 Ning,Fang      Qi,Zhengyun      Wang,Taosheng      Wang,Gu      Wang,Baofa
- SS227**      ***The Study and Realization of Automatic Mesh Generation Based on Electromagnetic Simulation of FDTD***  
 Yang,Jun      Su,Donglin      Zhao,Xiaoying
- SS228**      ***Meander Line-Based High Impedance Surface with High Angular Stability of Resonant Frequency***  
 Mirshahram Hosseinipan      Wu,Qun

**2PD-Communication:      October 29      14:00~17:30PM**

- COM109**      ***Dry Release of MEMS Structures Using Reactive Ion Etching Technique***  
 Hamood Ur Rahman      Rodica Ramer
- COM114**      ***An Improved High-speed RS Encoding Algorithm***  
 Ren,Zhigang      Yao,Dongping      Xiong,Lei
- COM115**      ***A Modified PEG Algorithm for Construction of LDPC Codes with Polynomial of Cycle***  
 Xiong,Lei      Yao,Dongping      Wu,Yimeng
- COM117**      ***A precise Approach for Computing Channel Soft Information***  
 Qian,BeiBei      Yao,Dongping      Xiong,Lei
- COM118**      ***A Capacitive Loaded Quasi-elliptic Function Microstrip Filter on GSM-R Band***  
 Zhang,Xiaoyan      Wen,Yinghong      Zhou,Kesheng
- COM103**      ***Discrimination of Low-Flying Vehicle from Ground Moving Targets Using Multi-Path***  
 Zhang,Xiaobin      Li,Ming
- COM104**      ***Performance Analysis of Quasi OSTBC Combining Pre-coding and Antenna Selection***  
 Lei,Guowei      You,Rongyi      Zhuang,Mingjie
- COM105**      ***Monitoring and Analysis of Tetra Base Stations***  
 Li,Hai      Zhang, Ji      Liu,Meng
- COM106**      ***A Novel Method in SLM to Produce m sequence to Reduce the PAPR in MIMO-OFDM System***

- COM110      Xian,Jinlong      Gong,Yuehong  
***Performance Comparison of Scheduling Algorithms for Multi-User MIMO***
- COM112      Zhao,Dongyan      Fei,Zesong      Kuang,Jingming  
***Research on Application of OFDM Technology in Cooperative Spectrum Sensing***
- COM119      Shao,Lulu      Song,Qijun      Zhang,Hongshun      Zhang, Jiaping  
***An Improved Algorithm for Flow-Based QoS Routing Protocol in WSN***
- COM120      Cui,Xiaoyan      Liu,Zhao  
***The Design and Implement of Automated Transfer Based on TinyOS***
- Cui,Xiaoyan      Liu,Zhao      Chen,Mengxiao      Zhang,Wei

### **Poster Papers:**

- AN102      ***Three-dimensional Phased Array Antenna Analysis and Simulation***  
                 Zhao,Yanqiu      Peng,Zong
- AN106      ***Hardware-in-the-Loop Simulation System of Multi-path Effect of Microwave Landing System Based on Scale Model***  
                 Miao,Qiang      Wu,Dewei
- AN107      ***Novel Broadband Millimeter-Wave FLAPS Reflector Antenna With Three Types Elements***  
                 Wang,Xiaotian      Xue,Qianzhong      Liu,Pukun
- AN109      ***A Back-to-Back Planar Folded Dipole on EBG Substrate***  
                 Ding,Chaoyuan      Ruan,Chengli      Peng,Lin      Chu,Jiahui
- AN114      ***The Affection on Radio Propagation of Attenuation Index in Troposphere over Wuhan***  
                 Li,Wei      Ma,Haoge      Jin,Guangfeng
- AN115      ***RCS Simulation of Spacecraft Based on Orbital Dynamics***  
                 Li,Xiangying      Meng,Xin
- AN121      ***A Simple and Compact Tri-Band Planar Inverted-F Antenna for Personal Communication Handset Applications***  
                 Zhu,Fuguo      Zhang,Chong      Xu, Jiadong
- AN122      ***Performance Simulation and Analysis of Two Kinds of Cylindrical Conformal Microstrip Yagi Antennas***  
                 Song,Lizhong      Fu,Shifeng      Fang,Qingyuan      Wu,Qun
- AN124      ***Design of Dual-Channel Circuit of P-Band Instantaneous Polarization Radar***  
                 Lu,Zhonghao      Jian,Chunxiao      Zhou,Dongming      Liu,Peiguo
- AN125      ***A New Six-port Junction Based on Micro-strip Technology***  
                 Song,Han      Liu,Shaobin      Liu,Song
- AN126      ***Dispersive Characteristics Analysis of Lossy Microstrip with 4-Component 2-D CFDFD Method***  
                 Qiang,Li      Zhao,Wei      Zhao,Yongjiu      Jiang,Wanshun      Ning,Yuemin
- AN127      ***Design of A Filter-Antenna Subsystem for UWB Communications***  
                 Chen,Yilin      Zhou,Yonggang
- AN128      ***Analysis and Design of Coplanar Waveguide-to-Rectangular Waveguide Transition With FDTD Method***  
                 Deng,Jianqin      Jiang,Wanshun      Ning,Yuemin
- AN129      ***Simulation and Analysis of a Planar Array Antenna Integrated with FSS***

- Tian,Wenming    Hou,Xinyu
- AN131**    ***An Algorithm of Acquiring Terrain Slope Based on Interferogram***  
Han,Songtao    Xiang,Maosheng    Wei,Lideng    Chen,Lifu
- AN132**    ***Development of RCS Simulation Software for Electrically Large Complex Cavities Based On the Secondary Development of UG***  
Li,Jianzhou    Jiang,Yingfu    Xu, Jiadong
- AN133**    ***Design of Beam Steering System in Phased Array Based on DSP***  
Chen,Aixin    Wu,Peng
- AN134**    ***The Research of Radio Wave Propagation in the Evaporation Duct***  
Liu,Chengguo    Zhong,Miao    Li,Yang    Yang,Ming
- AN135**    ***Efficient RCS Estimation of 2-Dimensional Cylinder with Random Holes***  
Liu,Meilin    Hesthaven,Jan S.    Liu,Shaobin
- AN136**    ***A Simple Radiation Pattern Reconfigurable Printed Dipole Antenna***  
Dong, Jiawei    Wang,Anguo    Lan, Hang
- AN137**    ***Design of Low-Loss Distributed MEMS Phase Shifter***  
Chen,Aixin    Li,Ying
- AN138**    ***Radio Wave Propagation Path Loss in the Irregular Terrain Environments***  
Li,Yang    Yang,Ming
- AN139**    ***The Application of the Adaptive Frequency Selective Surface Superstrate in the Directive Patch Antenna***  
Huang,Cheng    Zhao,Zeyu    Luo,Xiangang
- AN140**    ***A Dual Band Directive Patch Antenna Based on Two Layer Cut Wire Pairs Superstrate***  
Zhao,Zeyu    Huang,Cheng    Cui,Jianhua    Zhao,Bo    Luo,Xiangang
- AN141**    ***Novel Hexagon Shaped Dielectric Resonator Antenna Array for Wideband Applications***  
Zhang,Xiangjun    Lai,Qifeng    Ma,Xiaoping
- AN142**    ***Design of High-Speed T/R Module of P-Band In stantaneous polarization Radar System***  
Lu,Zhonghao    Li,Gaosheng    Zhou,Dongming
- AN148**    ***Tolerance Analysis of Coupling Slot of Waveguide Slot Array***  
Liu,Jie    Jiang,Yongjin    Yang,Chunshan    Sun,Wenfeng
- AN149**    ***The Coordinate-Free Expressions for Electromagnetic Fields of an Arbitrary Oriented Electric Dipole in the Presence the Bi-Anisotropic Layer***  
Jiang,Binhao    Shang,Fang
- AN155**    ***Design of Modified Sierpinski Fractal Antenna for Multiband Application***  
Hu,Zhang    Wan,Guobin    Sun,Changjie    Zhao,Huiling
- AN242**    ***Two Kind of Conical Conformal GPS antenna Arrays on Projectile***  
Zhang,Xiangjun    Ma,Xiaoping    Lai,Qifeng
- AN244**    ***Based on Dual-band Wireless LAN Differentially-Driven Microstrip Antenna***  
Zhou,Liang    Liu,Shaobin
- AN249**    ***An Effective Nulls Control Method***  
Du,Ruiyan    Wang,Jinkuan    Liu,Fulai    Wang,Bin
- AN250**    ***Analysis and Design of the GONG Dipole Antenna***

- Guo,Dandan Su,Donglin Zhao,Xiaoying
- AN252** *A Compact Planar Inverted-F Antenna for Handset Application*  
Cao,Shunfeng Jiao,Yongchang Zhao,Gang Yang,Bin
- AN254** *Design of Series-feed Antenna with Coplanar Waveguide Structure*  
Du,Xiaodong Hua,Guang Hong,Wei
- AN255** *Design of a Shared-Aperture Dual-Band Dual- Polarized Microstrip Antenna*  
Meng,Mingxia Zhang,Fenglin Ding,Xiaolei Ding,Keqian Li,Lianhui
- AN257** *A D-Shaped Defected Patch Antenna with Enhanced Bandwidth*  
You,Wei Guo,Huiping Cai,Wenfeng Liu,Xueguan
- AN259** *HF Compound Antennas Consisting of a Horizontal LPDA and a Vertical Mono-cone Antenna*  
Zhang,Zhigang Xie,Hui Zheng,Longgen
- AN272** *Harmonic Suppression with Spur-line for Microstrip Patch Antenna*  
Su,Gang Liao,Cheng Zheng,Xuan Wang,Shuxin
- AN273** *A Half U-slot Broadband Multilayer Microstrip Antenna*  
Shi,Zhiwei Liu,Yunlin Deng,Xi Tang,Tao
- EMC104** *An Research on Electromagnetic Model of an Electronic System*  
Tan,Zhiliang Xu,Bin Xiang,Zhenyu
- EMC105** *A Fast Method for Measuring Transfer Impedance of Bus Connectors*  
Xu,Jinhua Liu,Guangbin Yu,Zhiyong
- EMC108** *Accurate Computational Method for Solving Electromagnetic Wave*  
Li,Zijun Fang,Benyong
- EMC109** *Application of Genetic Algorithm for Microwave Imaging of a Partially Immersed Imperfectly Conducting Cylinder*  
Sun,Yi Zhang,Xiaodong Chien,W. Sun,C. H. Chiu,C. C.
- EMC111** *An Accurate and Efficient Shielding Effectiveness Evaluation of a Rectangular Enclosure with Rectangular Apertures*  
Fang,Chonghua Xie,Dagang Zhang,Qi Tan,Hui Xu,Yang
- EMC112** *EM Scattering Model for Targets from the Sea Surface with Breaking Waves*  
Fang,Chonghua Tan,Hui Zhang,Qi Wen,DingE Ding,Zhiyao
- EMC114** *Research on Six-degree-of-freedom Electromagnetic Tracking System*  
Yin,Qin Chen,Bin Wang,Ying Yang,Bo Zhou,Bihua
- EMC115** *Study on the Cosite Interference Suppression Using the NLMS Algorithm*  
Ding,Zhiyao Song,Wenwu Tan,Hui Xu,Yang
- EMC117** *Research on Electrostatic Interference of Double Spherical Electrodes*  
Han,Lei Chen,Fang
- EMC119** *The Influence of Conducting Rough Surfaces on the Performance of Microwave Coaxial Filter*  
Ning,Yuemin Jiang,Wanshun Deng,Jianqin
- EMC121** *Study on Jamming Effect of Pseudo-random Binary-Phase-Coded Fuze Based on Starting Probability*  
Ding,Lianggui Zhao,Huichang Tu,Youchao
- EMC122** *ESD Study on USB Keyboard of Ultrasonic B Scanner*  
Yang,Yanzhang Lin,Bin Zhao,Wuqin Zhao,Yang
- EMC123** *Research on the Coupling Channels of Invariable Amplitude Sine Wave*

- Irradiation to Radio Fuze and Protection***  
 Fei,Zhiqiang    Wei,Guanghui    Geng Lifei
- EMC124**    ***Study and Simulation of Power Amplifier Behavioral Model with Sparse Delay Taps***  
 Nan,Jingchang    Li, Jiuchao    Liu, Yuanan
- EMC128**    ***Affection of Electromagnetic Interference on Auto-passing of the Phase Separation System and Solutions in Da-Qin Railway Line***  
 Ning,Tao
- EMC132**    ***Design of Dual Composite Right/Left-Handed Transmission Line***  
 Du,Guohong    Tang,Xiaohong    Xiao,Fei    Du,Guohong
- EMC133**    ***A Broadband Suspended Stripline Bandpass Filter***  
 Chen,Yongbo    Guo,Yunchuan    Zhan,Mingzhou    Xu,Ruimin
- EMC134**    ***Optimization Schemes for Scattering of Periodic Structures***  
 Zhao,Huiling    Jiang,Dan    Wu,Yajian    Wan,Guobing
- EMC138**    ***Investigation on the Near-Field Computational Model of Frequency-Scan Antenna***  
 Song,Wenwu    Wang,Chun    Wu,Nan    Yu,Jing
- EMC139**    ***Triggering GaAs Photoconductive Switches with 1064nm Laser***  
 Cui,Haijuan    Ruan,Chengli    Yang,Hongchun
- EMC143**    ***Analyses of the Effects of Slots Loading on the Microstrip Patch for Dual-Frequency Operation***  
 Zheng,Wenquan    Wan,Guobin    Sun,Changjie    Zhao,Yuchen
- EMC145**    ***Numerical Studies for Relative Bandwidth of Left-Handed Metamaterials with Split-Ring Resonators***  
 Dong,Yanzhang    Xu,Weikai    Liu,Shutian
- EMC148**    ***EMI Pre-Measuring System on Supply Line Conducted Interference Based on Spectrum Analyzer***  
 Tang,Zhijun    Zhang,Xiaodong    Yue,Lingling    Wang,Lin
- EMC150**    ***A Novel Design Methodology for Bandpass Frequency Selective Surfaces Using Complementary Loading Structure***  
 Li,Shunli    Liu,Liguo
- EMC151**    ***Application of the Plane Wave Synthesis Technique Based on the Least Square Method in Antenna Measurements***  
 Yu,Ding    Yang,Lin    Fu,Demin    Liu,Qizhong
- EMC201**    ***Research on the Filter Technology of DC/DC Converter Output Terminal***  
 Wang,Wei    Yang,Xu    Zhai,Hongyu
- EMC203**    ***Research Progress of Direct Current Injection Technique in Aircraft EMC Test***  
 Zhang,Bingwei    Jiang,Quanxing
- EMC217**    ***Research on Spectrum Optimization of Satellite Subsystems Based on Interference Analysis Algorithm and Genetic Algorithm***  
 Zhang,Dawei    Xie,Shuguo    Liu,Yan
- EMC223**    ***Radio Noise Jamming Analysis on Communications System***  
 Wang,Yujiao    Su,Donglin    Chen,Wenqing
- EMC224**    ***Interference Effect Evaluation of Cognitive Radio by Using Statistical Method***  
 Yang,Fei    Song,Qizhu    Zhou,Jiyang
- EMC225**    ***The Design of a Multifunctional Test Apparatus-LISN Used for***

- Conduction Interference Testing**  
Yue,Lingling Zhang,Xiaodong
- EW217 Complementary Split Ring Resonators Using Equilateral Triangular Koch Fractal Curves**  
Zeng,Huiyong Wang,Guangming Liang,Jiangang Gao,Xiangjun
- EW218 Novel Compact Single Complementary Split Ring Resonator**  
Zeng,Huiyong Wang,Guangming Yu,Zhongwu Zhang,Chenxin
- EW219 Moment Method Solution of the EFIE for TE-Wave Scattering by Conducting Cylinders Using Basis and Testing**  
Xu,Yunsheng Wang,Kan
- EW220 A Novel Dual-band Cascaded EBG Structure with Chip Capacitors Loading**  
Chen,Liang Li,Jing Pan,Han Yi,Xueqin Liang,Changhong
- EW221 Equivalent Dipole-Moment Method for Electromagnetic Scattering by Dielectric Bodies**  
Yu,Chao Yuan, Jiade Gu,Changqing
- EW225 Graphics Processor Unit (GPU) Acceleration of Time-Domain Finite Element Method (TD-FEM) Algorithm**  
Liu,Kun
- EW226 A New Approach for Fast Solution of Electromagnetic Scattering Problems over a Broad Frequency Band**  
Chen,Mingsheng Wu,Qiong Huang,Zhixiang Wu,Xianliang
- EW227 Effective Hybrid MPSTD-FDTD Method**  
Jiang,Yongjin Pan,Yichun Fu,Wenbin Mao,Junjie
- EW228 Influence of Cross-Loop Slots FSS Structure Parameters on Frequency Response**  
Meng,Xuesong Chen,Aixin
- EW229 The Application of Schur Decomposition-Based BCG Solver in the Solution of FEBI Systems for Inhomogeneous Media**  
Ping Xuewei Cui,Tiejun
- EW230 Segmental Analyse and Numerical Verification on Radar Scattering Characteristics of Reentry Capsule**  
Luo,Qi Liu,Shaobin
- EW231 RCS Calculation of Complex Targets Shielded with Plasma Based on Visual GRECO Method**  
Wang,Gu Yuan,Lei Wang,Taosheng Fang,Ning Miao,Jungang Wang,Baofa
- EW232 Wideband Artificial Magnetic Conductor Structure for Ku-band Antenna Applications**  
Yang,Wenwen Hua,Guang Hong,Wei
- EW237 An Optimization Procedure for Signature Reconstruction of Near-Field Targets**  
Jiang,Dan Sui,Miao Xu,Xiaojian
- EW238 Debye Series for Electromagnetic Scattering by Coated Conducting Spheres**  
Li,Renxian Han,Xiang'e Yu,Haitao
- EW239 Modified On-Surface Discretized Boundary Equation Method for Solving Scattering Problems of Concave Conducting Cylinders**

- Dong,Na Xu,Yunsheng
- EW240** *Spectrum Analysis of Different Types of High-power Microwave Pulses in Air Breakdown*
- Tang,Tao Liao,Cheng Chen,Linglu Shi,Zhiwei
- EW241** *A Study of Parallel FDTD for Simulating Large-Scale TEM Horn Antenna Array*
- Chang,Lei Chen,Linglu Liao,Cheng Qin,Yanming Fu,Haijun Su,Gang
- ME102** *Substrate Integrated Cylindrical Cavity*
- Tan,Kejun Luan,Xiuzhen
- ME103** *Design of Remote Locomotive Real-Time Monitoring System Based on GPRS*
- Zhang,Yong Tan,Nanlin Su,Shuqiang
- ME110** *Design Optimization and Validity Simulation for the Support Structure of the Segment Deformable Mirror*
- Zhao,Fu Gong,Yanjue Meng,Chunling Lv,liang Wang,Ping
- ME113** *A Sub-1V Low Voltage CMOS Mixer for 2.4-GHz ISM Band Applications*
- Wei,Baolin Dai,Yujie Zhang,Xiaoxing Lu,Yingjie
- ME116** *Analysis and Optimum Design of RF Spiral Inductors on Silicon Substrate*
- Huang,Lu Zhang,Wanrong Xie,Hongyun Shen,Pei Gan,Juning  
Huang,Yiwen Hu,Ning
- ME118** *Design of Broadband Impedance Transformer Using Coupled Microstrip Transmission lines*
- Zhou,Xiang Liu,Xueguan Guo,Huiping Shao,Lvxia
- ME119** *A 2.5GHz Low Phase Noise LC VCO in 0.18- $\mu$ m CMOS Technology for WLAN Applications*
- Duan,Jihai Li,Jianping Qin,Chao
- ME120** *A Wideband CMOS Low-Noise Amplifier for 3-5 GHz UWB Systems*
- Duan,Jihai Han,Xiaoting Li,Sheng
- ME121** *A Study of Matching Capacitor's Influence on Power Amplifier Performance*
- Fan,Derui Chen,Zhang Li,Zhuang
- ME122** *Design and Simulation of a Wideband Power Amplifier from 600MHz to 1000MHz*
- Fan,Derui Deng,Yufen Li,Zhuang
- ME123** *Improved Characteristics of 4H-SiC MESFETs With Partly P-type doped Space Layer*
- Huang,Wen Guo,Yunchuan Xu,Yuehang Zheng,Wei Xu,Ruimin
- ME124** *Novel Microstrip Bandpass Filter with Controllable Transmission Zeros*
- Zhang,Long Yu,Zhiyuan Mo,Shaoguo
- ME125** *A New Miniature Peano Fractal-Based Bandpass Filter Design with 2nd Harmonic Suppression*
- Jawad K. Ali Yakeen S. Miz'el
- ME129** *On-Surface Discretized Boundary Equation Method Based on Field Expressions in Terms of Magnetic Currents*
- Wang,Kan Xu,Yunsheng Tang,Fusheng
- ME203** *The Study of Microwave Nondestructive Examination System for Fiber Glass-reinforced Plastic Sucker Rods*

- Yan,Wenhui Peng,Yong
- ME207** *New Definition of Slotline Characteristic Impedance*  
Wu,Zhaoyang Xuan,Xiaofeng Zhang,Rui Mao,Jianbo Yang,Mingwu  
Jiang,Wanshun
- ME210** *Lumped-Networks Simulation with CN-FDTD*  
Hu,Xiaobin Nai,Yu Tang,Wanchun
- ME215** *Design of a FSS Filter with Shorting Stubs for Compact E-plane Duplexer Application*  
Wang,Bin Wang,Qingyuan Liao,Ao Chen,Lifeng Mai,Wending
- ME216** *Design of a Microwave Equalizer Using Microstrip Open-loop Rectangular Ring Substructure*  
Zhao,Ying Zhou,Dongfang Niu,Zhongxia
- ME218** *A Closed form Solution for Longitudinally Inhomogeneous Waveguides*  
Mohammad Khalaj-Amirhosseini
- ME222** *Wideband Bandpass Filter Using Parallel-Coupled Line and Step-Impedance Open Stubs*  
Cai,Peng Guan,Xuehui Yang,Xuexia Zhang,Yong Chen,Bin Huang,Jian  
Wu,Yunsong
- ME223** *A Low Cost Phase Adjustment Network for MMW Mix-Integrated Active Antenna*  
Yu,Weihua Mou,Jinchao Yin,Jianyong Sun,Houjun
- ME227** *Application of Active Power Filtering Control Technology in Restraining a Harmonic*  
Zhang,Qi Hou,Jialin Yan,Yinfa Tang,Kai Wang,Zhen
- ME241** *A Broadband Waveguide-to-Coaxial Transition*  
Zhang,Xin Yuan,Hong Cheng,Hairong
- ME242** *4-Component 2-D CFDFD with ESIBC Application for Coaxial Waveguide with Fractal-regular Rough Surfaces*  
Zhang,Lu Deng,Hongwei Zhao,Yongjiu Jiang,Wanshun Ning,Yuemin
- SS108** *Design and Implement of BPSK Modulator and Demodulator Based on Modern DSP Technology*  
Song,Wenmiao Zhang,Jingying Yao,Qiongqiong
- SS109** *A 3.1-5GHz High and Flat Gain UWB LNA*  
Wu,Wei Manohar Nagaraju Cameron T.Charles Fan,Xiaoya
- SS112** *The Terminal Responses of the Two-Wire Transmission Line in a Cavity with Apertures Illuminated by a Plane Wave*  
Li,Ying Ni,Guyan Luo,Jianshu Zhang,Xufeng Shi,Jiyuan
- SS115** *Ultra-Wideband(UWB) Bandpass Filter Using Hybrid Microstrip/ACPW Structures*  
Li,Xiaoming Fang,Shaojun Fu,Shiqiang
- SS117** *Research on the Topological Structure of Unified Power Quality Conditioner for Three-phase Four-line System*  
Cui,Juanjuan Gao,Qinxiang Yu,Weiwei Fu,Songping Zhou,Hailing
- SS118** *An Ultra Wide-Stopband Lowpass Filter Using Smooth Transmission Line*  
Peng,Wenchao Zhang,Yong
- SS120** *Application of FPGA to accelerate plasma FDTD Algorithm*

- Feng,Jun      Liu,Shaobin
- SS122**      ***New Wideband Microstrip Bandpass Filter Using Single Triangular Patch Resonator with Fractal-shaped Defection***  
Xiao,Jiankang      Huang,Huifen
- SS123**      ***Analysis of H Waveguide Resonator with Laminated Dielectric Slab***  
Xiao,Jiankang
- SS124**      ***New Microstrip Filter Using Single Right-angled Triangular Patch Resonator***  
Xiao,Jiankang      Huang,Huifen
- SS125**      ***Circular Double Center Stubs Loaded Microstrip Bandpass Filter***  
Mo,Shaoguo      Zhang,Long      Yu,Zhiyuan
- SS127**      ***Design of Microstrip Square Loop Stub Loaded Dual-Mode Filter***  
Mo,Shaoguo      Yu,Zhiyuan      Zhang,Long
- SS130**      ***An UWB Receiver Structure with Improved Performance in Timing Jitter Sensitivity***  
Zhang,Bing      Li,Baoxue      Fei,Yuanchun
- SS133**      ***A New Extended Kalman Filter Based Carrier Tracking Loop***  
Wang,Jian      Liang,Qianhao      Liang,Kun      Shangguan,Wei
- SS134**      ***Precise Remote Frequency Measurement Method by GPS Carrier Phase***  
Liang,Kun      Wang,Jian      Wang,Weibo      Ning,Dayu
- SS205**      ***Study on Detection Technique of Pseudo-noise Code Phase Modulation Fuse***  
Zhang,Qinghui      Jin,Guangfeng
- SS206**      ***Design and Implementation of Channel Estimation and Channel Updating for OFDM-based WLAN Receivers***  
Zheng,Ziwei
- SS208**      ***Multi-hop Based Highly Precise Time Synchronization Protocol for ZigBee Networks***  
Song,Ping      Shan,Xiaodong      Li,Kejie      Qi,Guangping
- SS210**      ***Design and Implementation of an ECDSA-based Identity Authentication Protocol on WSN***  
Wang,Weihong      Cui,Yiling      Chen,Tieming
- SS211**      ***A Novel Timing Synchronization for OFDM based WLAN Systems***  
Wang,Zhenting      Fang,Zhi      Shi,Yin      Chen,Zhiming
- SS214**      ***Development of Archives Management Information System Based on .NET Multi-tier Architecture***  
Qin,Lele      Huang,Tao      Zhang,Huixiao      Gu,Jinjun
- SS215**      ***Research on the General Exam System Model Based on Ontology and Multi-agent***  
Wang,Chunhong      Qin,Lele
- SS216**      ***Image Denoising Research Based on Lifting Wavelet Transform and Threshold Optimization***  
Huang,Tao      Qin,Lele
- SS218**      ***Adaptive Full-Diversity Full-Rate Space-Time Block Code with Linear Decoding Complexity***  
Wang,Li      Jiang,Hua      Shao,Lan      Zhao,Hui      Wang,Wenbo
- SS222**      ***Design of a High Performance Compact RF Transceiver for WiMAX Access Points***

Zhao,Teng      Zhou,Jianyi      Zhai,Jianfeng

**SS230**      ***Performance Analysis for the Novel Blind Multi-user Detector Based on Compressed Subspace Method in TH-UWB Systems***

Wang,Huiqi      Ma,Hong

**SS231**      ***An Throughput-Optimized Cooperative Routing Protocol in Ad Hoc Networks***

Wang,Li      Liu,Kai