

## Session 03 changes

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Due to presenter's request:

the following paper 254 is **removed from SESSION 03** and **presented after SESSION 44** on Friday, 18, Room 204.

We kindly ask the chairs of Session 44 to administrate the presentation in the free slot 09:30-09:50

**WIDE-STOPBAND MILLIMETER-WAVE FILTERING MAGNETOELECTRIC DIPOLE ANTENNA AND ITS APPLICATION IN AN E-PLANE PHASED ARRAY**

C.K. Hu, Beijing Jiaotong University, China; Y.J. Li, Beijing Jiaotong University, China; J.Y. Tan, Beijing Jiaotong University, China; J.H. Wang, Beijing Jiaotong University

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Due to the previous changes **SESSION 03 is modified in the last part:**

17:00-17:20

**SUPERDIRECTIVE LINEARLY POLARIZED AXIAL-MODE HELICAL SLOT ANTENNA**

C.G. Hynes, Simon Fraser University, Canada; R.G. Vaughan, Simon Fraser University, Canada

17:20-17:40

**DESIGN AND ANALYSIS VIA CIRCUIT MODELING OF MULTI-BAND PATCH ANTENNA WITH SINGLE I-SHAPED SLOT FOR MMWAVE 5G AND SENSING APPLICATIONS**

B.J. Mugiraneza, University of the Ryukyus, Japan; M. Saito, University of the Ryukyus, Japan

17:40-18:00

**DUAL-BAND HORIZONTALLY ORIENTED CDRA ARRAY**

J. Žemgulyte, P. Ragulis, R. Simniškis, M. Sadauskas, Center for Physical Sciences and Technology, Lithuania; A.G. Belous, O.I. Vyunov, V. I. Vernadsky Institute of General and Inorganic Chemistry, National Academy of Sciences of Ukraine, Ukraine; Z.A. Kancleris, Center for Physical Sciences and Technology, Lithuania

18:00-18:20

**PERFORMANCE ANALYSIS OF DUAL-POLARIZED RECTANGULAR PANEL ANTENNA ARRAYS FOR 5G NR BASE STATIONS**

A. Shastri, Banasthali Vidyapith, India; S. Bandopadhaya, Banasthali Vidyapith, India; A. Shingh, Banasthali Vidyapith, India; M. G. Siddiqui, Banasthali Vidyapith, India; Y. S. Naruka, Banasthali Vidyapith, India; L. F. Guerrero-Vasquez, Universidad Politécnica Salesiana, Ecuador

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## Session 44 changes

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Due to presenter's request:

the following paper 218 is **removed from SESSION 44** and **presented after SESSION 19b** on Wednesday, 16, Room 201.

We kindly ask the chairs of Session 19b to administrate the presentation in the free slot 15.10-15.30

### **DEMONSTRATION OF A GAN-BASED SINGLE-POLE-QUADRUPLE-THROW SWITCH FOR MILLIMETER-WAVE BEAM-SWITCHING SYSTEM**

Y. F. Tsao, National Yang Ming Chiao Tung University, Taiwan; C. Y. Liu, National Yang Ming Chiao Tung University, Taiwan; O. Hilt, Ferdinand-Braun-Institut (FBH), Germany; S. Chevtchenko, Ferdinand-Braun-Institut (FBH), Germany; H. Yazdani, Ferdinand-Braun-Institut (FBH), Germany; Y. H. Tu, National Yang Ming Chiao Tung University, Taiwan; H. T. Hsu, National Yang Ming Chiao Tung University, Taiwan

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Due to presenter's request:

the following paper 234 is **removed from SESSION 44** and **presented after SESSION 25** on Wednesday, 16, Room 203.

We kindly ask the chairs of Session 25 to administrate the presentation in the free slot 18.20-18.40

### **DESIGN OF DUAL-BAND POWER DIVIDER WITH PURELY RESISTIVE ISOLATION NETWORK**

C.Y. Liu, NYCU, Taiwan; H.T. Hsu, NYCU, Taiwan; Y.H. Tu, NYCU, Taiwan; Y.F. Tsao, NYCU, Taiwan

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Due to the previous changes **SESSION 44 starts at 8:50 with the following program:**

Friday, September 18 - H 08:50-09:30 - room 204

## **session 44**

**APWC**

### **Microwave antennas, components, and devices**

Chairs W.C. Lai, G. Martinez

08:50-09:10

#### **A TOP-PARALLEL COUPLED QUADRATURE VOLTAGE-CONTROLLED OSCILLATOR IN LOW COST 0.35 $\mu$ M CMOS**

W.C. Lai, S.L. JAng, C.W. Chang, C.D. Chinh, Ming Chi University of Technology, Taiwan

09:10-09:30

#### **MULTIPLE-BAND VOLTAGE-CONTROLLED OSCILLATOR OF SYNTHESIZER WITH PHASE BALANCED MICROMIXER**

W.C. Lai, Ming Chi University of Technology, Taiwan

## Session 45 change

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Due to presenter's request:

the following paper 523 is **removed from SESSION 45** and **presented after SESSION 29** on Wednesday, 16, Room 204.

We kindly ask the chairs of Session 29 to administrate the presentation in the free slot 18.20-18.40

**AUTOMATIC GENERATION OF PIXEL-BASED PATCH ANTENNAS USING FAST RANK-REVEALING ALGORITHM**

A. Gupta, IIT Madras, India; A. Bekasiewicz, Gdansk University of Technology, Poland

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Due to the previous changes **SESSION 45 ends at 12:20 with the following program change:**

12:00-12:20

**DESIGN OF A REFLECTARRAY ANTENNA WITH QUANTUM BEHAVED WARRING-STATES OPTIMIZATION**

F. Chiaudani, Politecnico di Milano, Italy; G.F. Martinez, Politecnico di Milano, Italy; E.L. Zich, Politecnico di Milano, Italy; R.E. Zich, Politecnico di Milano, Italy