
Monday, October 15, 15:00, Room “B”

**MICROWAVE AND MILLIMETER WAVE
DEVICES, CIRCUITS & MICROSYSTEMS**

Session MW: Oral presentations

Chair:

L. Baggen, IMST GmbH Kamp-Lintfort, Germany

D. Neculoiu, IMT Bucharest, Romania

- MW.1** *SAW GaN/Si BASED RESONATORS: MODELING*
15:00 *AND EXPERIMENTAL VALIDATION,*
 A. Stefanescu, A. Muller, G. Konstantinidis*,
 V. Buiculescu, A. Dinescu, A. Stavrinidis*,
 D. Neculoiu, A. Cismaru, IMT Bucharest,
 Romania, *FORTH-IESL-MRG Heraklion, Crete,
 Greece.
- MW.2** *MICROMACHINED FRONT-END FOR 60 GHz*
15:20 *APPLICATIONS,* **A.-C. Bunea, D. Neculoiu,**
 P. Calmon*, A. Takacs*, IMT Bucharest,
 Romania, *CNRS, LAAS, Univ of Toulouse,
 France.
- MW.3** *DIODE MODELING FOR MILLIMETER WAVE*
15:40 *APPLICATIONS BASED ON CO-SIMULATION*
 TECHNIQUE, **A. Takacs, A. Bunea*, A. Zair,**
 D. Neculoiu*, H. Aubert, CNRS, LAAS, Univ of
 Toulouse, France, *IMT Bucharest, Romania.
- MW.4** *DESIGN AND TEST RESULTS OF A WIDEBAND*
16:00 *SIGI DETECTOR AND ON-CHIP SLOT*
 ANTENNA FOR W-BAND SENSING
 APPLICATIONS, **R. Malmqvist^{1,2},**
 C. Samuelsson¹, D. Dancila², S. Reyaz²,
 M. Kaynak³, A. Rydberg², ¹Swedish Defence
 Research Agency (FOI), Linkoping, ²Uppsala
 Univ., Sweden, ³IHP GmbH, Frankfurt-Oder,
 Germany.

- MW.5** *RETURN LOSS REDUCTION OF THE METAMATERIAL CRLH ANTENNA USING SHORT-ENDED REACTIVE STUBS*, **G.I. Sajin¹, I.A. Mocanu², A. Stefanescu¹, M. Carp¹, M. Voicu³, B. Da Ros⁴**, ¹IMT Bucharest, ²“Politehnica” Univ. of Bucharest, Romania, ³Tyndall National Inst., Univ. College Cork, Ireland, ⁴L’Ecole Nationale Supérieure d’Ingenieurs de Limoges, France.
- MW.6** *A NEW SMALL SIZE RING COUPLER BASED ON FULLY DISTRIBUTED COMPOSITE RIGHT/LEFT-HANDED STRUCTURES*, **S. Simion**, Military Technical Academy, Bucharest, Romania.
- MW.7** *SELF-ACTUATION TESTS OF OHMIC CONTACT AND CAPACITIVE RF-MEMS SWITCHES FOR WIDEBAND RF POWER LIMITER CIRCUITS*, **R. Malmqvist^{1,2}, R. Jonsson¹, C. Samuelsson¹, S. Reyaz², P. Rantakari³, A. Ouacha¹, T. Vaha-Heikkilä³, J. Varis³, A. Rydberg²**, ¹Swedish Defence Research Agency (FOI), Linköping, ²Uppsala Univ., Sweden, ³VTT Technical Research Inst. of Finland, Espoo, Finland.
- MW.8** *SYSTEM-LEVEL SIMULATOR OF RADIO COMMUNICATION IN THE EHF BAND*, **E. Golovins, S. Sinha**, Univ. of Pretoria, South Africa.

17:40–18:00 COFFEE BREAK

19:00 Visit at the Cantacuzino Castle and String quartet concert celebrating the 35th edition of the Annual Semiconductor Conference (CAS) at Cantacuzino Castle, Buzeni.

- ♦ Buses leaving the Sinaia Hotel for Buzeni at 6:30 p.m.
 - ♦ The visit and concert are free of charge for registered participants.
 - ♦ The number of places is, however, limited. The request for participation should be made at the **CAS Office** as soon as possible, but not later than **Monday 15th of October at 12:00 a.m.**
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