

STUDENT PAPERS
Session S: Oral presentations

Chair:

F. Udrea, Univ. of Cambridge, United Kingdom

L. Goras, “Gheorghe Asachi” Technical University,
Iasi, Romania

S. 1 *A CONTINUOUS TIME SIGMA DELTA*
15:00 *MODULATOR WITH OPERATIONAL FLOATING*
INTEGRATOR, **D. Ducu**, **A. Manolescu***,
Microchip Technology, Bucharest, *”Politehnica”
Univ. of Bucharest, Romania.

S. 2 *A NEW ROBUST OVER RAIL TO RAIL*
15:20 *COMPARATOR BASED ON DCG-FGT*
TRANSISTOR, **A. Marzaki**^{1,2}, **V. Bidal**¹,
L. Girardeau¹, **R. Laffont**², **W. Rahajandraibe**²,
J-M. Portal², **R. Bouchakour**²,
¹STMicroelectronics, Rousset, ²IM2NP-UMR
CNRS, Inst. Materiaux et Microelectronique
Nanoscience de Provence, Marseille, France.

S. 3 *THE INFLUENCE OF PARASITIC SUBSTRATE*
15:40 *DIODES ON LOAD TRANSIENT RESPONSE OF*
THREE-TERMINAL ADJUSTABLE VOLTAGE
REGULATORS, **A. Bajenaru**^{1,2}, **L. Radoias**¹,
G. Dilimot¹, **G. Brezeanu**², ¹Infineon Technologies
Romania, Bucharest, ²Univ. “Politehnica” of
Bucharest, Romania.

S. 4 *BANDWIDTH AND GAIN ENHANCED PNP*
16:00 *PHOTOTRANSISTORS FOR VIS AND NIR LIGHT*
IN 180 nm CMOS, **P. Kostov**, **W. Gaberl**,
M. Hofbauer, **H. Zimmermann**, Vienna Univ. of
Technology, Austria.

S. 5 *ULTRA LOW VOLTAGE SWITCHED CAPACITOR*
16:20 *5th ORDER CHEBYSHEV FILTER*, **R.G. Vieru,**
R. Ghinea, L. Goras, “Gheorghe Asachi” Technical
Univ., Iasi, Romania.

S. 6 *CARBON-BASED MATERIALS FOR ECL*
16:40 *DETECTION*, **S. Benetto¹, A. Sanginario²,**
D. Demarchi¹, S. Sadow³, ¹Politecnico di Torino,
²Inst. Italiano di Tecnologia, Torino, Italy, ³Univ. of
Southern Florida, USA.

S.7 *BALLISTIC ELECTRON PROPAGATION IN A*
17:00 *COMPOSITE METAMATERIAL*, **A. Dumitriu,**
D. Dragoman, Univ. of Bucharest, Romania.

S.8 *NUMERICAL STUDIES OF COUPLING IN*
17:20 *DIELECTRIC LOADED PLASMONS,*
R. Tomescu, C. Kusko, IMT Bucharest, Romania.

17:40–18:00 COFFEE BREAK

**19:00 Celebrating the 35th edition of the Annual Semiconductor
Conference (CAS)**

**Visit at the Cantacuzino Castle and String quartet concert at
Cantacuzino Castle, Busteni.**

- ♦ Buses leaving the Rina Sinaia Hotel for Busteni at 18:30.
 - ♦ 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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