

MICROSENSORS

Session Ms: Oral presentations

Chair:

J. Millan, CNM-CSIC, IMB, Barcelona, Spain

O. Buiu, Honeywell Romania SRL, Bucharest,
Romania

Ms. 1 *MULTIGAS SENSOR BASED ON MICRO*
11:50 *MACHINED HOTPLATES FOR CO AND O₂*
DETECTION USING CATALYTICALLY
MODIFIED NANO-SnO₂, T. Andreu¹,
C. Fabregas¹, F. Hernandez-Ramirez¹, J.R.
Morante^{1,2}, ¹IREC Catalonia Inst. for Energy
Research, ²Univ. of Barcelona, Spain.

Ms. 2 *SOI MEMBRANE-BASED PRESSURE SENSOR IN*
12:10 *STRESS SENSITIVE DIFFERENTIAL AMPLIFIER*
CONFIGURATION, M. Brezeanu, V. Dumitru,
S. Costea, S.Z. Ali, F. Udrea*, M. Gologanu,*
C. Bostan, I. Georgescu, V. Avramescu, O. Buiu,
Honeywell Romania SRL, Bucharest, Romania,
**Cambridge CMOS Sensors, United Kingdom.*

Ms. 3 *DEVELOPMENT OF AN IMMUNOASSAY FOR*
12:30 *IMPEDANCE-BASED DETECTION OF HEART-*
TYPE FATTY ACID BINDING PROTEIN, D. Stan¹,
C.-M. Mihailescu², R. Iosub¹, M. Savin³, I. Baci³,
R. Gavrilă¹, ¹IMT Bucharest, ²DDS Diagnostic,
Bucharest, ³Univ. of Bucharest, Romania.

Ms. 4 *LEAD-FREE GALVANIC OXYGEN SENSORS-A*
12:50 *CONCEPTUAL APPROACH, C. Cobianu,*
B. Serban, V. Avramescu, B. Hobbs, K. Pratt*,*
M. Willett, Honeywell Romania SRL, Bucharest,*
*Romania, *Honeywell Life Safety, Portsmouth,*
United Kingdom.

Ms. 5 *MICROBIOSENSOR FOR ELECTRICAL*
13:10 *IMPEDANCE SPECTROSCOPIC STUDY OF*
MELANOMA CELLS, C. Marculescu¹,
A. Avram^{1,2}, C.M. Balan¹, C. Voitincu¹,
C. Pirvulescu¹, M. Volmer³, A. Popescu¹,
M. Mihailescu², M. Avram¹, ¹IMT Bucharest,
²“Politehnica” Univ. of Bucharest, ³Univ.
“Transilvania” of Brasov, Romania.

13:30–14:30 LUNCH
