

A. Lucrări publicate în reviste sau la conferințe cotate ISI sau în BDI:

1. Călin Vlădeanu, Constantin Paleologu, Ion Marghescu, *Multilevel Chaos-Based Spreading Sequences for DS-CDMA System Performance Improvement*, Revue Rou. de Sci. Tech. Serie Electrotechnique et Energetique, tome 53, no.3, 2008, pp. 319-328
2. Ion Marghescu, *The Cognitive Radio Technology and the Future of Wireless Communications Systems*, The 4th European Conference on Circuits and Systems for Communications, 2008. ECCSC 2008. Bucharest, July 10-11, Invited Paper presented in plenary session;
3. G.Marghescu, I. Marghescu, *A Shift in Learning Culture: Rethinking the Teacher-Learner Relationship in the Digital Era*, în: PROCEEDINGS OF THE 7TH WSEAS INTERNATIONAL CONFERENCE ON EDUCATION AND EDUCATIONAL TECHNOLOGY, Recent Advances in Education and Educational Technology (EDU O8), ISSN 1790-5109, ISBN 978-960-474-029-1, Published by WSEAS Press World Scientific and Engineering Academy and Society, 2008, pp. 294-299.

B. Lucrări publicate în volumele unei conferințe internaționale:

Echipa proiectului a fost implicată în organizarea unui workshop:

Cognitive Radio Technology and Reconfigurable Communication Systems

În cadrul conferinței internaționale: *COMMUNICATIONS 2008* care s-a desfășurat în intervalul 5-7 iunie 2008 la București.

Așa cum rezultă din programul atașat în continuare colectivul proiectului a fost bine reprezentat alături de invitați din Danemarca, Germania, Grecia, FYROM:

Friday, June 6, 2008

11.00-13.00

WORKSHOP: COGNITIVE RADIO TECHNOLOGY AND RECONFIGURABLE COMMUNICATION SYSTEMS (part I)

Chairpersons:

Ion MARGHESCU; Octavian FRATU, "Politehnica" University of Bucharest, Romania

1. COGNITIVE RADIO TECHNOLOGY AND THE FUTURE COMMUNICATIONS NETWORKS
Ion Marghescu "Politehnica" University of Bucharest, Romania
2. COGNITIVE RADIO ARCHITECTURE
Ioana Marcu, Simona Halunga, "Politehnica" University of Bucharest, Romania
3. ADAPTIVE OFDM PHY TECHNIQUES FOR COGNITIVE RADIO SPECTRUM MANAGEMENT

Marco Krondorf, Ting-Jung Liang, Gerhard Fettweis
*Technische Universität Dresden, Vodafone Chair Mobile
Communications Systems, Germany*

4. RF TRANSCEIVER ARCHITECTURE IN COGNITIVE RADIO
SYSTEMS

Alexandru Marțian, Călin Vlădeanu, Ion Marghescu
“Politehnica” University of Bucharest, Romania

5. SPECTRUM SENSING ALGORITHMS USED IN COGNITIVE RADIO
SYSTEMS – AN OVERVIEW

Călin Vlădeanu, Alexandru Martian
“Politehnica” University of Bucharest, Romania

Friday, June 6, 2008

16.00-18.30

WORKSHOP: COGNITIVE RADIO

TECHNOLOGY AND RECONFIGURABLE COMMUNICATION

SYSTEMS (part II)

Chairperson:

Ion MARGHESCU, Octavian FRATU, *“Politehnica” University of Bucharest, Romania*

1. UNPREDICTABLE FUTURE WIRELESS COMMUNICATION:
WISDOM (Invited Presentation)

Ramjee Prasad, Aalborg University, Denmark

2. RECONFIGURABILITY AND INTEROPERABILITY OF WIRELESS
NETWORKS BASED ON 802.21 STANDARDS

Octavian Fratu, *“Politehnica” University of Bucharest, Romania*

Anthony Boucouvalas, *University of Peloponese, Greece*

Simona Halunga, *“Politehnica” University of Bucharest, Romania*

3. INTERMEDIATE LINK LAYER DRIVER FOR MEDIA INDEPENDENT
HANDOVER

Eduard-Cristian Popovici, Marian Bonta

“Politehnica” University of Bucharest, Romania

4. PERFORMANCE OF VERTICAL HANDOVERS IN HETEROGENEOUS
WIRELESS SYSTEMS UTILIZING IEEE 802.21

Liljana Gavrilovska, Vladimir Atanasovski, Valentin Rakovic, Ognen Ognenoski

Aleksandar Momirovski, *University “Ss Cyril and Methodius”, Macedonia*

5. 3G OPTIMISATION TRIAL – BUILDING-UP A KNOWLEDGE DATABASE
OF A RECONFIGURABLE NETWORK

Câmpan Pavel Gabriel, *SFR, France*

6. ENABLING TECHNOLOGIES FOR MOBILITY MANAGEMENT IN
HETEROGENEOUS NETWORKS

Alexandros Kaloxylos, Makis Stamatelatos, Anthony Boucouvalas

University of Peloponnese, Greece