

**A. Lucrări publicate în reviste sau în volumele unor conferințe cotate ISI sau 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. 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. Lucrare prezentată în plenul unei conferințe cotate IEEE**

3. 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;

**C. Lucrări publicate în volumele unei conferințe internaționale:**

Echipele 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 Universitat 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*