

# LISTĂ LUCRĂRI ȘTIINȚIFICE

## A. Teza de doctorat

Ligia Chira CREMENE, *Tehnici adaptive pentru imbunatatirea performantelor rețelelor radio*, Inginerie Electronica si Telecomunicații, 2009

## B. Cărți și capitole din cărți

Ligia Chira CREMENE, *Tehnici adaptive in sisteme de comunicatii wireless*, ISBN 978-973-133-785-2, Editura Casa Cartii de Stiinta, Cluj-Napoca, 2010

N. Crisan, T. Palade, Ligia CREMENE, E. Puschita, *Microunde - Aplicatii*, ISBN 978-973-662-377-6, Editura U.T.PRESS, Cluj-Napoca, 2008

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N. Crișan, Ligia CHIRA CREMENE, "Enhanced Reconfigurability for MIMO Systems using Parametric Arrays", Sobh, Tarek (Ed.), *Novel Algorithms and Techniques in Telecommunications, Automation and Industrial Electronics*, pp.117-122, Springer Netherlands, 2010 (SpringerLink, ISI Web of Science), ISBN 978-90-481-3661-2 (Print) 978-90-481-3662-9 (Online), DOI 10.1007/978-90-481-3662-9, <http://www.springerlink.com/content/v085227u4222160p/?p=190404d7fad949b09f6443a7a64fe185&pi=9>

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## C. Lucrări științifice indexate ISI/BDI (2000-2011)

### Jurnale ISI

N. Crișan, Ligia CHIRA CREMENE, "Design and Simulation of a Flexible Beamforming Interface for MIMO Receivers Using a Butler Labyrinth", *Int. J. of RF and Microwave Computer-Aided Engineering*, Online ISSN: 1099-047X, Wiley&Sons, USA, apr 2011

N. Crișan, Ligia CHIRA CREMENE, M. Cremene, „Software Components for Signal Fishing based on GA Element Position Optimizer”, *Int. J. of Computers, Communications & Control (IJCCC)*, vol. VI (2011), no. 1 (March), pp.63-71, ISSN 1841-9836, E-ISSN 1841-

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## **E. Brevete**

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## **F. Granturi/contracte de cercetare (2000-2011)**

3 CONTRACTE INTERNATIONALE:

1. Co-director grant John Templeton Foundation, „Towards a Conceptual Integration of Artificial Intelligence, Game Theory, and Decision Theory”, 21481, 2011-2012
2. Membru proiect BROADWAN FP6 „Broadband Services for Everyone Over Fixed Wireless Access Networks” FP6-2002-IST-1, Contract 001930/18.09.2003-2006

3. Membru proiect COST 280 „Propagation Impairment Mitigation for Millimeter Wave Radio Systems”, 2001-2005

#### 5 CONTRACTE NATIONALE :

1. Director grant CNCSIS PD 637/2010, "Integrated Adaptation Model for Complexity Management in Wireless Communications Systems", 2010-2013

2. Director grant CNCSIS TD 519/2007 „Dezvoltarea de noi strategii adaptive pentru sisteme wireless de banda larga”

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5. Membru grant CEEEX – “Hotspoturi care integreaza puncte de acces la satelit destinate comunitatilor izolate” , nr.6107/2005

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Agilent EEsof EDA University Donation Program for Technical University of Cluj-Napoca

<http://users.utcluj.ro/~ads>

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