

Research projects

A. Research projects won in the competition as Director

1. *„Cryptosystem based on chaotic dynamics implemented with cellular automata for protection of information on network systems”*, Postdoctoral research project, PD 369, Ministry of Education, Research and Innovation, Contract no. 10/02.08.2010 http://uefiscdi.gov.ro/userfiles/file/PROIECTE%20PD%20COMPETITIA%202009/REZULTATE%20PD_DOMENIU%202_2.pdf.
2. *„Encryption system based on the cellular automata theory for protection of information in network systems”*, Research project for scientific research creation youth candidates for a doctor’s degree, TD 365, Ministry of Education and Research, Contract no. 35GR/23.05.2007 http://uefiscdi.gov.ro/articole/1331/COMISIA_2_TD_NOI_FINANTATE.html

B. Responsible for the grant/project

1. *„Advanced pRotection of critical buildinGs by Overall anticipating System - ARGOS”*, EU FP7-SECURITY program, project Argos/FP7-SEC-2012-313217, project number 313217 (<http://www.argos-project.eu>), 2013 – 2015 (member and responsible for the final phase of the project in Greece, Athens in November-December 2015).

C. Research team member

1. *„Creșterea capacității instituționale de cercetare bioeconomică pentru exploatarea inovatoare a resurselor vegetale autohtone, în vederea obținerii de produse horticole cu valoare adăugată ridicată”* – BIOHORTINOV, Cod: PN-III-P1-1.2-PCCDI-2017-0332, Beneficiary: UPIT, Scientific domain: Bioeconomie, start year: 2018, (member)
2. *“Testing loudspeaker systems in manufacturing process on the cars”* financed by S.C. DPR. DRAEXLMAIER procese de productie Romania S.R.L, Test of speaker system regarding feasibility, quality and cost. Theoretical evaluation & documentation of concept RequSpec (LH), project no. 6/21.01.2014 (member).
3. *“Sistem de criptare cu algoritmi paraleli de calcul – CRIPTALL”*, perioada de derulare: 01.10.2008 – 30.09.2011, MECT/PNII, Contract Nr. 82107/01.10.2008 (member).
4. *„Sistem informatic de proiectare, simulare, testare si configurare a sistemelor energetice inteligente de energie regenerabila – SINERG”*, 01.10.2008 – 30.09.2011, Ministerul Educației, Cercetării și Inovării, Centrul National de Management Programe, Programul 4: “Parteneriate in domeniile prioritare”, Domeniul: D2 – Energie, Contract nr. 22140/25.09.2008 (member).
5. *„Complex system, with ngn support, in order to offer telecare at home for elders – TELEASIS”*, PNCDI-II, Contract no. 604-440/14.09.2007 (member).

6. “**Multimedia platform for complex medical teleservices implementation – TELMES**”, CEEEX program, Contract no. 604/645 21.10.2005 (member).
7. “**Sistem de Măsură Accelerometric Avansat Pentru Investigari Atmosferice cu Sonde Planetare**”, program AEROSPATIAL, Contract nr.117/15.10.2004 (member).
8. „**Principles of increasing and optimizing the output performances of solid-state lasers**”, Ministry of Education, Research and Innovation, Contract no. 05-D11-27, No. 1018/05-10-2005 (member).
9. “**Integrated system for mobile user - SIUM**”, CEEEX, AMCSIT, Ministry of Education and Research, Contract No. 1021/07.10.2005 (member).
10. “**Devices with metastructures for advanced processing of the radio signals in mobile and satellite communications – METAPRO**”, Ministry of Education, Research and Innovation – CEEEX program, Contract no. 58/2006 (member).
11. “**Sistem Interactiv pentru Monitorizarea si Optimizarea Traficului Rutier - OPTIMTRAF**”, CEEEX 2007, Institutul de Cercetari pentru Inteligenta Artificiala, Proiect 1369, Contract no. 71114 (member).
12. “**Microsistem de secretizare cu automate celulare în transmisia digitală a datelor**”, Programul MATNANTECH, Ministry of Education, Research and Innovation, Contract No. C145(308)/30.10.2003, No. 5930/20.09.2004 (member).
13. “**Cronotahograf electronic digital pentru autovehicule de transport marfă și călători**”, PNCDI 8C1/2004, AMTRANS program, Ministry of Education and Research, Contract nr. 6810/15.10.2004, No. 3231/15.10.2004 (member).
14. „**Dezvoltarea de micro sisteme electronice pentru aplicatii fiscale**”, S.C. Trion Company S. R. L., Contract no. 93/21.11.2003, No.: 8333/21.11.2003 (member).