

Lăcrimioara Grama – Representative Projects

Signal Processing Group
Faculty of Electronics, Telecommunications and Information Technology
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Coordinator

- Aug. 2017** "Smart Acoustic Sensor for Intruder Detection (SASID)"
– **Dec. 2018** – PN-III-P2-2.1-PED-2016-1608; 222PED/2017
Coordinator: Technical University of Cluj-Napoca
Partner: IT Center for Science and Technology SRL
<http://sp.utcluj.ro/SASID2017/HomePage.html>

Director

- Oct. 2016** "Improving contextual awareness of a robot through the analysis of
– **Sept. 2018** acoustic information (ROXAC)"
– PN-III-P2-2.1-BG-2016-0378; 54BG/2016
Coordinator: Technical University of Cluj-Napoca
Partner: IT Center for Science and Technology SRL
<http://sp.utcluj.ro/ROXAC2016/HomePage.html>
- Sept. 2007** "Researches regarding phase approximation from frequency response
– **March 2009** gain samples"
– CNCSIS PNII-RU-TD-281

Partner Responsible

- Oct. 2020** – **Sept. 2022** "Versatile and economically viable robotic platform for indoor navigation in cluttered environments with obstacles (OMNI-Z)"
 – PN-III-P2-2.1-PTE-2019-0867; 52/2020
Coordinator: IT Center for Science and Technology SRL
Partners: Politehnica University of Bucharest; Technical University of Cluj-Napoca; "Gheorghe Asachi" Technical University of Iași
<http://www.citst.ro/cms/index.php?id=omni-z>
- July 2014** – **Sept. 2017** "Pavements and roads management, monitoring and maintenance intelligent system using modern imagistic techniques (PAV3M)"
 – PN-II-PT-PCCA-2013-4-1762; 3/2014
Coordinator: Babeş Bolyai University
Partners: IT Center for Science and Technology SRL; The Competence Center in Electrostatic and Electrotechnologies SRL; "VALAHIA" University of Târgoviște; University "Dunărea de Jos" Galați; Technical University of Cluj-Napoca
<https://econ.ubbcluj.ro/PAV3M/>

Member

- Mar. 2022** – **Aug. 2022** "Cadru strategic pentru adoptarea și utilizarea de tehnologii inovative în administrația publică 2021-2027 – soluții pentru eficientizarea activității" – cod MySMIS2014+ 129878 / cod SIPOCA 704
Coordonator: Autoritatea pentru Digitalizarea României
Partener: Universitatea Tehnică din Cluj-Napoca
- 2011 – 2013** "Integrated System of Master Programs in Engineering of Sound, Image and Multimedia Applications" – POSDRU 86/1.2/S/61810
Coordinator: University POLITEHNICA of Bucharest
- 2008 – 2011** "Adaptive Signal Reconstruction for Compressive Sampling of Acoustic Arrays" – CNCSIS PNII-ID-162/2008
Director: Prof. Corneliu Rusu
- 2008** "Signal Processing Systems for Wireless Communications (SPSWC)" – CNCSIS PNCDI-WE
Director: Prof. Corneliu Rusu
- 2005 – 2006** "Genic Sequence Bioinformatics Implied for Prokaryotes Cellular Division" – CNCSIS PNCDI CEEEX-050D11-52/2005
Director: Prof. Petre Pop
- 2004 – 2005** "Biometrical Systems for Access Control Using Vocal Print" – CNCSIS A-1027/2005
Director: Prof. Eugen Lupu

- 2004** "Adaptive Filters with Variable Structure" – CNCSIS A-33532/2003
Director: Prof. Corneliu Rusu
- 2006 – 2008** International research grant with third persons Continental Temic A.G
Director: Assoc.Prof. Gabriel Chindriș
- 2005** International research grant with third persons 16933/23.09.2005
Director: Assoc.Prof. Gabriel Chindriș