

# Lăcrimioara Grama – Grants

Signal Processing Group  
Faculty of Electronics, Telecommunications and Information Technology  
Technical University of Cluj-Napoca  
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## Coordinator

**Aug. 2017 – Dec. 2018** "Smart Acoustic Sensor for Intruder Detection – SASID"  
– 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 – Sept. 2018** "Improving contextual awareness of a robot through the analysis of 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 – March 2009** "Researches regarding phase approximation from frequency response 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
- 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

- 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