

Prof. dr. ing. Gheorghe Livint

List of research projects

1. An Intelligent Haptic Robot Glove for the Patients Suffering a Cerebrovascular Accident, Cod/link : 150/2012/ <http://www.ihrg.tuiasi.ro>, implementation time : 2012-2016, type of project – partner, PNCDI II, Funding name: UEFISCDI, member of the team
2. Strategic Alignment of Electrical and Information Engineering in European Higher Education Institutions (SALEIE), Cod/link : 527877-LLP-1-2012-1-UK-ERASMUS-ENW / <http://www.saleie.co.uk/> , implementation time : 2012-2015, type of project – partner, PROGRAM UE-LLP ERASMUS, , Funding name: EU, member of the team
3. Embedded systems type neuroproteza for recovery of persons with neuromotor disabilities, *Project PNCDI2, nr. D11-068/18.09.2007*, implementation time 2007-2009, member of the team
4. Evolved real-time control algorithms to optimize hybrid vehicles Algoritmi evoluți de control în timp real pentru optimizarea vehiculelor hibride, *Grant CEEX, X2C28/2006*, implementation time 2006-2008, project director
5. Intelligent starter-alternator integrated for the cars, *Contract GR 80/23.05.2007, cod 530, tema 31*, implementation time: 2007, member of the team
6. Researches on the use of artificial intelligence for command, control and optimization of operating modes of hybrid vehicles, *Contract GR 80/23.05.2007, cod CNCSIS 528, tema 30*, implementation time: 2007 , project director
7. Intelligent starter-alternator integrated for the cars, *Grant CNCSIS, nr. A1/GR. 164/19.05.2006, cod 530, tema 49/2006*, implementation time: 2006, member of the team,
8. Researches on the use of artificial intelligence for command, control and optimization of operating modes of hybrid vehicles, *Grant CNCSIS, nr. A1/GR. 164/19.05.2006, cod 528, tema 47*, implementation time: 2006 , project director
9. Techniques to control prostheses based on functional electrical stimulation of the muscles in rehabilitation of patients with neuromotor disability due to a disease of the central nervous system *Grant CNCSIS, nr. A1/GR.164/19.05.2006, cod 544, tema /2006*, member of the team
10. Researches on the use of artificial intelligence for command, control and optimization of operating modes of hybrid vehicles, *Grant CNCSIS, nr. A1/GR. 164/19.05.2006, cod 528, tema 47*,
11. Romanian and Slovenian Scientific and Technological Bilateral Cooperation Project 2005-2007 – Standing-up motion augmentation in paraplegia by means of FES and robot technology (Faculty of Electrical Engineering Iași & University of Ljubljana, Slovenia), member of the team
12. Sharing training and research resources –PRIC PRIC; Grant CEEX 24-I03./2005, member of the team
13. Researches on the use of artificial intelligence for command, control and optimization of operating modes of hybrid vehicles, *Contract nr. 27637/14.03.2005, cod CNCSIS 528, Tema 33*, implementation time : 2005, project director
14. Intelligent starter-alternator integrated for the cars, *Grant CNCSIS, cod 530, tema 35/2005*, member of the team
15. Research on the construction, modeling and control of high-performance hybrid axial magnetic bearings with applications in energy-inertial systems, *Contract nr. 33479/2002 CNCSIS* , implementation time 2002, project director
16. Research on the construction, modeling and control of high-performance hybrid axial magnetic bearings with applications in energy-inertial systems, *Contract nr.7004/2001 ,Tema B-8 – ANSTI*, implementation time: 2001, project director

17. Research for the realization of unconventional devices and microsystems based on ferrofluids, with functions of measuring and control in the regulation of processes, *Contract nr. 6177 GR/2000, B-24 - ANSTI*. Implementation time: 2000, member of the team
18. Design, construction and experimentation of induction linear motors with open magnetic. Project CNCUS nr. 4002/b 12-1995, implementation time: 1995, member of the team
19. Structures and algorithms for numerical control industrial processes. Establishing models of industrial processes and identifying them. *Contract 36894/1994. CNFIS*, implementation time;1994, project director
20. Research on the application of linear motors to the mechanization of the stacking of briquettes on wagons ROBLIN 06, *Contract nr. 8272/1988*. Beneficiary: Enterprise of refractory materials, Pleasa, Ploiesti; implementation time: 1988, member of the team
21. Manipulator linear induction motor driven by the power equipment consolidation of nonwovens fabrics ROBLIN 05, *Contract nr. 15506/1986*. Beneficiary : Enterprise NETEX Bistrița Nasaud, implementation time: 1986, member of the team
22. Transport robot driven with linear motor ROBLIN 04. The electrical part, *Contract nr. 2283/1986*. Beneficiary: IMAMUS Iași; implementation time 1986, member of the team
23. Electric transport systems driven by linear motors, *Contract nr.523/1985*. Beneficiary: CCSIT Electroputere Craiova; implementation time: 1985, member of the time
24. Transport robot driven with linear motor ROBLIN 04. The mechanical part, *Contract nr. 8020/1985*. Beneficiary : IMAMUS Iași; implementation time: 1985, member of the team
25. Electric transport systems driven by linear motors. *Contr. nr.3067/1984*. Beneficiary: CCSIT Electroputere Craiova; implementation time: 1984, member of the time
26. Drive with linear induction motors of the developer from the Ziaprint copier, *Contract nr. 16657/1984*. Beneficiary: Electrocontact Botoșani; implementation time: 1984, project director
27. Electric transport systems driven by linear motors. Current contact line and capture. *Contract nr. 284/1983*. Beneficiary CCSIT Electroputere Craiova, implementation time:1983, member of the team
28. Translation modules driven with linear motors, ROBLIN 01 and ROBLIN 02, *Contract nr. 5535/1983*. Beneficiary :ICPE - office Iași; implementation time: 1983, member of the team
29. ROBLIN 03 Linear Motor Interoperability Transport Module, *Contract nr. 5534/1983*. Beneficiary :ICPE - office Iași; implementation time: 1983, member of the team
30. Electric transport systems driven by linear motors. *Contract nr.383/1982*. Beneficiary CCSIT Electroputere Craiova; implementation time: 1982, member of the team
31. The drive system of the trolley in the automatic galvanizing line with a linear induction motor, *Contract nr. 6348/1982*. Beneficiary: Enterprise ElectroMureș Tg. Mureș ; implementation time: 1982, member of the team
32. Electrical systems for transporting of celluloses bales with linear motors , *Contract nr. 13837/1981*. Beneficiaryr : The artificial fiber enterprise (Combinatul de fibre artificiale) Braila ; implementation time 1981, project director
33. Wagon powered by linear induction motor, *Contract nr. 7996/1981*. Beneficiary : Enterprise of building materials Iasi ; implementation time 1981, member of the team
34. Electric transport systems driven by linear motors. *Contr. nr.5144/1981*. Beneficiary: CCSIT Electroputere Craiova ; implementation time 1981, member of the team
35. Electric transport systems driven by linear motors. *Contract nr.2944/1980*. Beneficiary: ICP. Electroputere Craiova ; implementation time 1980, member of the team
36. Electric transport systems driven by linear motors *Contract nr. 2866/1979*. Beneficiary: ICP. Electroputere Craiova ; implementation time 1979, member of the team
37. Electric transport systems driven by linear motors. *Contract nr. 3174/1978*. Beneficiary: ICP. Electroputere Craiova; implementation time 1978, member of the team

38. Electric transport systems driven by linear motors, *Contract nr. 259/1977*. Beneficiar : ICP. Electroputere Craiova; implementation time 1977, member of the team
39. Research on the use of synchronous motors powered by static frequency converters. *Contract nr. 2291/1976*. Beneficiary : ICPE București; implementation time 1976, member of the team
40. Design, execution and experimentation of linear motors for driving of the LPX asphalt mixer dryer drum , *Contract nr.23559/1974*. Beneficiary : Mechanical Enterprise Nicolina Iași; implementation time 1974, member of the team.