

Professor Marian-Silviu Poboroniuc

Research projects:

1. FP7 project, "Strategic Alignment of Electrical and Information Engineering in European Higher Education Institutions (SALEIE)" No. 527877-LLP-1-2012-1-UK-ERASMUS-ENW, 2012-2015, Coordinator: University of York, UK; Project responsible P12-TUIASI: Marian Poboroniuc (WP3 leader) <http://www.saleie.co.uk/>.
2. NOVAFES 267/2014, INNOVATIVE GARMENTS WITH EMBEDDED ELECTRODES FOR FUNCTIONAL ELECTRICAL STIMULATION BASED REHABILITATION, 2014-2017, <http://www.novafes.tuiasi.ro/>, Coordinator: University of Iasi; Project coordinator: Marian Poboroniuc.
3. PNII project, IHRG - "AN INTELLIGENT HAPTIC ROBOT GLOVE for the PATIENTS SUFFERING A CEREBROVASCULAR ACCIDENT" No. 150/2012, 2012-2015, Coordinator: University of Bucharest; Project responsible TUIASI: Marian Poboroniuc.
4. PNII project, EXOSLIM - "A HYBRID FES-EXOSKELETON SYSTEM TO REHABILITATE THE UPPER LIMB IN DISABLED PEOPLE" No. 180/2012, 2012-2015, Coordinator: University of Iasi; Project coordinator: Olaru Radu, Scientific director TUIASI: Marian Poboroniuc.
5. FIPPTex-Advanced Materials and Products Designed for Persons with Special Needs – Romania- Turkey bilateral cooperation – Capacities Module III – 2010-2011, project no.408/03.05.2010; Members: Antonela Curteza (coordinator), **Marian Poboroniuc**, Laura Macovei, Viorica Serban, Danut Irimia.
6. ROKEY- 'Robot Technologies as a Key for Learning in Future' - COMENIUS project COM-08-PM-653-VS-DE - EU Life Long Learning Programme (no.4935/29.09.2008 - A.N.P.C.D.E.F.P., CONTRACT NO.127/2.10.2008). Faculty of Electrical Engineering - U.T.Iasi is associated partner of "Stefan Procopiu" Industrial High School. **Contact person and coordinator of the UTI team: dr. Marian Poboroniuc.** Foreign partners from: Germany, Slovak Republic, Finland and Denmark.
7. PNII project ANCS No.31CB/09.06.2008-CAPACITATI-MODUL III- Slovene-Romanian Bilateral Scientific and Technological Cooperation Project -*Development of new neuroprosthesis and assessment tools for impaired people due to a central nervous system lesion*, Granted by National Authority for Scientific Research, Ministry of Education, Research and Youth, 2008-2009, 124395 RON, **Project coordinator: Dr. Marian Poboroniuc** (Romania) & dr. Roman Kamnik (Slovenia) (<http://neuroteh.ee.tuiasi.ro/>).
8. PNII Project – *Sisteme incorporate tip neuroproteze pentru recuperare a persoanelor cu handicap neuromotor* - SINPHA (Neuroprosthesis-Type Embedded Systems For Neurorehabilitation)– D11-068/18.09.2008, Granted by Research and Education Ministry of Romania (2007-2010). **Project coordinator- Dr. Marian Poboroniuc** (http://sinpha.ee.tuiasi.ro).
9. PNII Project – *Sisteme inteligente pentru monitorizarea la distanță a proceselor de recuperare bazate pe FES- ARMS* (Intelligent Systems For Remote Monitoring Of The Rehabilitation Processes Based On FES)– D71-095/18.09.2008, Granted by Research and Education Ministry of Romania (2007-2010). **Project coordinator- Dr. Marian Poboroniuc** (<http://www.arms-tex.ro>).
10. INFOSOC Project – [Partajarea resurselor de instruire si cercetare](#) – PRIC (*Virtual labs for formative assessment and research*) – 24-CEEX/I03/10.10.2005, Granted by Research and Education Ministry of Romania (2005-2008). UTI project coordinator- Dr. Marian Poboroniuc (<http://pric.ee.tuiasi.ro>).
11. Slovene-Romanian Bilateral Scientific and Technological Cooperation Project: *"Standing-up motion augmentation in paraplegia by means of FES and robot technology"* (September 2005 - December 2007).
12. *FES-based control of neuroprostheses to rehabilitate the subjects with movement disorders due to a CNS lesion* (Tehnici de control a protezelor bazate pe stimularea electrică funcțională a mușchilor în recuperare a pacienților cu handicap neuromotor datorată unei afecțiuni a sistemului nervos central) (2004 - 2006), Contract no. 33371/ 29.06.2004, theme 35, Grant CNCSIS 544/2004 - Granted by The National University Research Council of Romania.
13. *Microelectronics techniques utilization to provide nervous stimuli and to help in neurological recovery of subjects with lesions at the central nervous system level* (Utilizarea tehnicilor micro-electronice în generarea stimulilor de natură nervoasă și recuperare a neuromotorie a persoanelor cu leziuni la nivelul sistemului nervos central) (October 2004 - March 2006), Contract VIASAN no. 469/2004, Granted by Research and Education Ministry of Romania. Staff: Dr. Nita Lucian, Dr. Marian Poboroniuc, Dr. Cristian Dinu Popescu, MD.
14. Slovene-Romanian Bilateral Scientific and Technological Cooperation Project: *"Development of sensory supported FES system for restoring standing-up and sitting down in paralyzed patients"* (May 2003 - December 2004);
15. Research Training Network Neural Prostheses (NeuralPRO - HPRN-CT-2000-00030) March 2001-February 2003 - member;

<http://www.marian-poboroniuc.leeia.tuiasi.ro/>