



Euro pass Curriculum Vitae



Personal information

Surname/ First names **ERDEI Remus**
Address Chilieni no. 184, Sfantu Gheorghe, 520001- ROMANIA
Telephone(s) NUMMER: +40 (0) 267 327 395 **Mobile:** +40 752 118 271
Fax +40 (0) 267 327 395
E-mail remus_erdei@yahoo.com
Nationality Romanian
Date of birth 04.01.1981
Gender Male

Work experience

Dates 2005- 2008
Occupation or position held Scientific Assistant Researcher
Main activities and responsibilities Electromagnetic circuits simulation:
-design of magnetic circuits;
-optimization of magnetic circuits;
Name and address of employer National Institute for Research and Development in Electrical Engineering ICPE-CA
Splaiul Unirii 313, sector 3, Bucharest –RO, www.icpe-ca.ro
Type of business or sector Research and Development
Dates 2008- present
Occupation or position held Development Engineer III
Main activities and responsibilities Electromagnetic circuits simulation:
-design of magnetic circuits
-optimization of magnetic circuits
Administration of Technological and Business Incubator
Name and address of employer Bias point National Institute for Research and Development in Electrical Engineering ICPE-CA
Jozsef Attila, nr.4, Sfantu Gheorghe RO- 520046, www.icpe-ca.rolecomat
Type of business or sector Research and Development
Projects experience *Team member of research projects :*
1. "Modernization and accreditation of electromagnetic compatibility laboratory", 2006-2008
Main task: Endowment of the laboratory whit equipments;
2. "Theoretical research and experiments to raise the efficiency of the electromagnetic conversion of energy by reducing the iron losses of electrical machines", 2006-2008
Main task: assistant
3. "Unconventional ecological biotechnologies for treatments of plants in electromagnetic fields" , 2006-2008
Main task: Design of 3 axial Helmholtz coils and solenoid coils for the plants treatment.

Projects experience	<p>Project manager:</p> <p>1. „Institutional construction of a Technological and Business Incubator”, INFRATECH program 2006-2007 Writing the project proposal and implementation of the project- The main goal of the project was to realize a Technological an Business Incubator whit a capacity for 10 SME's in order to facilitate their development in their first 3 years. The Technological and Business Incubator was realized at a bias point of the Institute which is located in Sfantu Gheorghe (RO) by caring out renovation of the buildings and endowment whit equipments.</p> <p><i>Main tasks:</i> planning and evaluation of cost for rehabilitation of the electrical network of buildings, heating system; and construction work for rehabilitation of buildings (for tree buildings whit an area of 800 m²); -contracting companies in order to execute the rehabilitation work for the buildings; -monitoring the work executed by the companies; -employ auxiliary staff (3 persons) for the new finished Technological and Business Incubator; -relations whit the new clients of the Technological and Business Incubator;</p> <p>2. “Electromagnets, magnets and power supply for FAIR”, National core program 2008-2010; Realization of sextupole electromagnet and injection magnet prototype for the FAIR project (Facility for Antiproton and Ion Research). The Fair project represents an international project trough which will be made an international complex of particle accelerators in Germany-Darmstadt). The goal of the national core program was to realize two prototype magnets and the power supply in order to prepare the fabrication process for several magnets which will represent in the future the contribution of Romania to the FAIR international project. <i>Main task:</i> - Electromagnetic modeling and optimizations for the sextupol electromagnet and injection magnet (similar to Hallbach cylinder type magnet whit permanent magnets); -Collaboration whit the CAD designer in order to finalize the execution drawings of the prototype. -Collaboration whit Julich Forschungszentrum regarding the design of the magnets.</p> <p>3. „Bisnet Transylvania” Competitiveness and Innovation Framework Programme, 2008-2010; The Bisnet Transylvania project represent an European project which is formed from seven partner organization which are offering specialized consultancies services for SME's from Romania in the frame of Enterprise Europe Network in order to encourage them to the European market. Main task: -managing the project as a partner in the consortium; -promoting the network; -business and technology partner search; -organizing events; -advise for accessing EU funded programes;</p>
Patents	Hall Bach cylinder rotational and homogen magnetic field generator , Authors: Kappel, W., Patroi E., Erdei R.
Presentations	<p>W. Kappel, G. M. Mihaescu , R. Erdei, N. Stancu, M. Hondrea, E. Patroi - „Trajectory modeling of a micro particle in magnetic field for magnetic separators application” JOINT INTERNATIONAL CONFERENCE MATERIALS FOR ELECTRICAL ENGINEERING MMDE-15 June 2006-Bucuresti, poster session.</p> <p>„Trajectory modeling of a micro particle in magnetic field for magnetic separators application”, Prof. Dr. Fiz. Wilhelm Kappel, Ing. Mihaescu Georghe Mihai, Ing. Erdei Remus, Fiz. Eros Patroi, Ing. Cornel Bulibenchi - Comsol Conference Prague 2006, October, Prague, Cech (CCP 2006).</p>
Education and training	
Dates	2005-2007
Title of qualification awarded	Master
Principal subjects/occupational skills covered	Technical and Applicable Magnetism
Name and type of organization providing education and training	Polytechnic University of Bucharest, Faculty of Electrical Engineering
Dates	1999-2004
Title of qualification awarded	Engineer Diploma
Principal subjects/occupational skills covered	Electrical devices

Name and type of organization providing education and training	Polytechnic University of Bucharest, Faculty of Electrical Engineering			
Dates	1995-1999			
Title of qualification awarded	Bachelor degree			
Principal subjects/occupational skills covered	Service of radio and TV equipments			
Name and type of organization providing education and training	Industrial High Scholl Puskas Tivadar – Sfantu Gheorghe,- Romania			
Personal skills and competences				
Mother tongues	Romanian			
Other languages				
Self-assessment	Understanding			
<i>European level (*)</i>	Speaking		Writing	
	Listening	Reading	Spoken interaction	Spoken production
English	Good	Good	Good	Good
German	Medium	Medium	Beginner	Beginner
Hungarian	Very good	Medium	Good	Beginner
Social skills and competences	-Capacity to work in team, flexibility			
Organizational skills and competences	-Coordination and management of project			
Computer skills and competences	MS Word, MS Excel, Power Point, AutoCAD, Electromagnetic software (Femm, MagNet), software installation win 9x,Me,XP,			
Other skills and competences	<ul style="list-style-type: none"> -Certificate for service of radio and TV-set equipments; -Configuring local network (cable connection between computers, to routers, servers, computer setup, wireless connection) ; - low current wiring of electrical circuits (for small buildings); -ability to repair household equipments; -usage of hand tools; <p>Participation to trainings:</p> <ul style="list-style-type: none"> Introductory course „ Modeling electromagnets „- Julich Forschungszentrum -IKP, Julich, Germany, November 2008 Industrial propriety “Patents and designs “ October 2007, Cluj, Romania “International Training Workshop on Technological Innovation for Small and Medium –Sized Enterprises Based on Science and Technology “ 3-14 September 2007, Beijing-China Industrial propriety “Exploitation of patents “ may 2007, Tulcea, Romania Management of research projects , October -November 2006, Bucharest 			
Driving license	B, since 2003			
Hobby	Computers, repair of electrical devices, fishing, internet, swimming, skiing, music.			