


## PERSONAL INFORMATION

## Ioana IONEL



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Date of birth 24.06.1953 | Nationality Romanian

## JOB APPLIED FOR / POSITION

## Member in a PhD commission

## WORK EXPERIENCE

October 2007 – 2012

**Professor, expert, evaluator**

Technical University of Graz (Austria), Technical University of Braunschweig (Germany), Technical University of Munich (Germany), University of Stuttgart (Germany), European Commission, Brussels

- Teaching Professor in the ERASMUS/SOCRATES framework or with other occasions such as scientific workshops, summer courses, individual or co-supervision of doctoral theses, EC evaluator
- Teaching courses, coordinating didactic activities, academic management, peer-review assessment, or expert evaluation

**Business or sector** Tertiary education

October 2006 – January 2012

**Head of Department**

Politehnica University of Timisoara, Faculty of Mechanical Engineering, Department of Mechanical Machines, Equipment and Transport, 1 Bvd. M. Viteazu, Room 131A, 300222 Timișoara, România

- Coordinating the department: all didactic, scientific, organizational and HR responsibilities

**Business or sector** Tertiary education, managerial activity

September 2002 – Present

**Head of Laboratory**

Politehnica University of Timisoara, Faculty of Mechanical Engineering

Laboratory accredited by the Romanian Accreditation Association [RENAR] [www.mediu.ro](http://www.mediu.ro); Head of laboratory [www.energieregen.mec.upt.ro](http://www.energieregen.mec.upt.ro)

Politehnica University of Timisoara, Faculty of Mechanical Engineering

- Attracting European and national funds, developing the staff's professional activity, creating jobs, coordinating laboratory work, experimental campaigns, contracts with third parties, coordinating job applications, public tenders

**Business or sector** Tertiary education, didactic and research activity

November 2001 – Present

**Research Centre Director**

Politehnica University of Timisoara, Faculty of Mechanical Engineering

- Director of RESEARCH CENTER FOR THERMAL MACHINES AND EQUIPMENT, TRANSPORT AND POLLUTION CONTROL; centre accredited by certificate no.14/12.11.2006, and afterwards internally accredited by the Politehnica University, ranking the third in the internal hierarchy;
- Coordinating ongoing research programs, coordinating teaching and academic management, attracting national and European funding, creating jobs

**Business or sector** Tertiary education, research and didactic activity

September 1988 – present

**Assistant, Assistant Professor, Associate Professor, Full Professor**

Politehnica University of Timisoara, Faculty of Mechanical Engineering, Department of Thermodynamics, thermal machines and motor vehicles; Full Professor decision 334/112C of 18.06.1998

- Teaching courses, developing and coordinating ongoing research programs, coordinating didactic activities and academic management

**Business or sector** Tertiary education, teaching and research

September 1985 – August 1988

**Research engineer, with additional teaching responsibilities**

Politehnica University of Timisoara, Faculty of Mechanical Engineering

- Contracting out research and collaboration activities with the industry and research units in energy and mechanical fields, coordinating the practical activity of students from the Department of thermal machinery and equipment, teaching an optional course on inventions

**Business or sector** Tertiary education, research, students' internships

August 1977 – August 1985

**Engineer, researcher**

23 August Plant, Bucharest, Bd. 23 August, 2-4 Pantelimon

- Line technologist in a large plant, design engineer and researcher at *Faur (23 August)* plant, Bucharest, Engine factory, CISOT Department
- Implementation of advanced manufacturing technologies, under licenses, engine testing, staff training for enterprise customers

**Business or sector** Engine manufacturers, railway equipment, heavy equipment

## EDUCATION AND TRAINING

October 14-16, 2011

**Graduation certificate, academic course Schöne Neue TECHNIKWELT. *Challenges of women in Career-an international review***

TU München, Univ. der Bundeswehr München, Ludwig-Maximilians Universität, Evangelische Akademie Tutzing

- Cooperation management, introduction to leadership management, crisis management

October 10-15, 2012

**Graduation certificate, seminar Women of TUM Seminar "Connect for Success" Workshop "Fit for public", "Konzepte für Nachhaltigkeit/ Concept for sustainability"**

TU München, Univ. der Bundeswehr München, Ludwig-Maximilians Universität, Evangelische Akademie Tutzing

October 2012

**Graduation certificate, specialised programme for *Project Managers***

Didacticos Association, Timișoara in collaboration with the National Council for Adult Education, Ministry of Labour, Family and Social Protection and the Ministry of Education, Research and Innovation

- The management of project implementation, operational resources for the project, the project's contractual provisions, etc.

March 2011

**Graduation certificate, training module in university management "Management of tertiary activities"**

Executive Unit for Financing Higher Education, Research, Development and Innovation, MECTS, Romania

- Modelling and measurements of air quality in the city of Timisoara, the impact of Romanian thermal power plants on air quality

March 2011

**Graduation certificate, training module in university management "Service and support for students"**

Executive Unit for Financing Higher Education, Research, Development and Innovation, MECTS, Romania

- Modelling and measurements of air quality in the city of Timisoara, the impact of Romanian thermal power plants on air quality

July 2012 **Diploma of Associate Professor (Privatdozent)**

Technical University of Munich, Germany

- Modelling and measurements of air quality in the city of Timisoara, the impact of Romanian thermal power plants on air quality

September 2011 **Habilitation degree – Habilitated doctor engineer**

(September 11, 2011)

Technical University of Munich - Weihenstephan, Germany

- Modelling and measurements of air quality in the city of Timisoara (Impact of Romanian thermal power plants on air quality); the study was published in English by VDI Verlag (Publisher VDI Düsseldorf)

1991-2005 **Various scholarships and fellowships**

Technical University Munich, Univ. Stuttgart, Univ. All Technical Braunschweig in Germany, Queen Ann's College London, UK, Univ. Technical Graz - Austria

- 24 months research AvH fellowship in Germany
- 3 months specialization by DAAD and TEMPUS in Graz; 3
- months in London through the Go West program of the EC
- fellowship of the Alexander von Humboldt Foundation; DAAD and TEMPUS support for the internship at the TU Munich, Univ. Stuttgart, TU Braunschweig, Graz, EC support for internship in London; Certificates - Proofs of internship for AvHumboldt and London

Genesis of N<sub>2</sub>O gas in general and particular about clean combustion, air quality, emission measurements, imissions, dispersion of pollutants

September 1999 – present  
(for various time intervals)

**Expert**

NCSRHE [CNCSIS] expert, certificate no. 731 through qualification and then renewed training

National Council of Scientific Research in Higher Education, Romania, currently Executive Unit for Financing Higher Education, Research, Development and Innovation

- Areas of competence according to the requests received from the Executive Unit for Financing Higher Education, Research, Development and Innovation, [www.uefiscdi.gov.ro](http://www.uefiscdi.gov.ro)

September 1999 – present  
(for various time intervals)

**Expert**

European Commission, CORDIS

- Areas of competence according to the requests received from the Executive Unit for Financing Higher Education, Research, Development and Innovation, [http://cordis.europa.eu/fp7/experts\\_en.html](http://cordis.europa.eu/fp7/experts_en.html)

October 1982 – September 1987

**Doctor engineer**

PhD in engineering, Diploma G Series No. 188 of 1988 issued by the Polytechnic Institute of Bucharest (UPB), Ministry of Science and Education, Romania

- Fuel combustion, heat and mass transfer, combustion technology and reducing emissions of polluting fossil fuels increase user efficiency

October 1972 – June 1977

**BS in engineering**

Engineer degree no. 53 419 / 12.19.1977, Head of Graduation at national level

Polytechnic Institute of Bucharest, Romania, Faculty of Mechanics

- Steam Boilers, Heat Engineering and Machines, thermal mass and heat transfer, fuels, combustion technology; topic of diploma paper on sulphur heavy oil combustion technologies

**PERSONAL SKILLS**

Mother tongue Romanian

## Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
German	C2	C2	C2	C2	C2
English	C1	C1	C1	C1	C1
French	B2	B2	B2	B2	B2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user  
[Common European Framework of Reference for Languages](#)

## Communication skills

- Team spirit acquired in management structures at university or faculty level, and during the implementation of research contracts;
- Ability to adapt to different social and cultural environments, achieved through collaboration with institutions and companies from Romania and abroad;
- Good communication skills gained through my teaching experience and leading positions taken;
- Sense of initiative.

## Organisational / managerial skills

- Organisational experience in logistics, in managing the organization of students and entrance examinations, in planning and running scientific events (summer schools, conferences, symposia, workshops, etc.)
- Good experience in project management gained as project manager in various research programs, or as a team member in various national and international research teams.

## Technical skills

- Specialist and expert in the fields of thermodynamics, fuels, combustion technology, steam boilers, clean burning technologies and cleaning of flue gases from combustion installations; pollutant dispersion, non-conventional energy, air quality, environmental protection, mass and heat transfer
- Certified technical translator

## Digital competence

- Good command of Microsoft Office™ tools (Word™, Excel™ and PowerPoint™);
- Advanced knowledge in the Internet;
- Basic knowledge of computer graphics applications.

## Artistic skills &amp; sports

- I coordinated a student choir, without having musical skills as a conductor, only from the desire to involve the younger generation in cultural activities and to preserve the ancient traditions
- I support as much as I can, through promotion activities, the social dance group performing in the hall of the Faculty of Mechanical Engineering
- I like the sport and I practice, although irregularly, various sports such as jogging and gymnastics, aerobics, swimming, skiing, and tennis.

## Other skills

- Graduate of the CD Loga High School, *special math class*, class of 1972, with honours
- Ranking first position, with grade 10, at the mathematics exam (written and oral) at the Faculty of Mechanics, Politehnica University of Timisoara, 1972
- Head of graduation (1977) at national level of the SET section (MET, boilers and turbines) from Politehnica University of Bucharest (present name), where later on I defended my PhD thesis
- graduate of the German School (9 classes), the present Nikolaus Lenau Highschool (which justifies my proficiency in German)
- Technical translator for German and English – exam-based diploma, No. 4292 / April 15, 1978
- Chairwoman of the local branch of B.EN.A (BALKAN ENVIRONMENTAL ASSOCIATION) (2005), <http://www.jepe-journal.info/bena>
- Founding member of the Romanian Society of Romania Thermo-technicians
- Member of the Humboldt Club of Romania, earning several fellowships during 1991-present
- Member of the STTR [Romanian Society of Power Systems and Heating], 2002
- Member of the General Association of Engineers in Romania, Timis Branch, 2004
- Representative of Romanian universities at the *Vereinigung der universities Grosskesselbesitzer* in Germany, 1995
- Member of the ASTER Energetica society in Romania, 2002
- Member of the editorial board of the Scientific Bulletin of Politehnica University of Timișoara, Mechanical Engineering Series
- Member of the editorial board of the journal BENA - JEPE- (indexed by ISI) <http://www.jepe-journal.info/editorial-board>

- Member editorial board member of the editorial board of JFVIP (<http://www.begellhouse.com/jfv>), which is one of the Journals Published from PCTFE (<http://www.begellhouse.com/ii/52b74bd3689ab10b.pdf?nocache=1426863159>)
- Member of the team of reviewers - EDITORIAL SCIENTIFIC BOARD – of the Termotehnica journal [http://www.revistatermotehnica.agir.ro/colegiul\\_editorial.php](http://www.revistatermotehnica.agir.ro/colegiul_editorial.php)
- Member of ARA (American-Romanian Academy) 2005, and starting with 2009, named responsible for Romania on the technical side <http://ara.mec.upt.ro/executive.html>
- Member of VDI (Verein der Deutschen Ingenieure) i.e. member of the Association of German Engineers
- Member of ARA (American Romanian Academy), being responsible for the technical part - ARA Romanian Branch - for Romania: <http://ara.mec.upt.ro>
- Member of Renewable Heating and Cooling platform, expert, <http://www.rhc-platform.org/members/members-directory/>

Driving licence      Driving licence category: B

## ADDITIONAL INFORMATION

Publications  
 Presentations  
 Projects  
 Conferences  
 Seminars  
 Honours and awards  
 Memberships  
 References  
 Citations  
 Courses  
 Certifications

- Coordinating or participating in contracts focusing on emission measurements, interpreting the results and using efficiently the thermal energy, preparing thermal and environmental balance, focusing on advanced depolluting technologies and on air quality and renewable energy.
- Coordinating activities in the ERASMUS / SOCRATES programme – more than 230 students.
- Responsible with the annual scholarship of Politehnica students at the University of Technology and Agriculture in Tokyo, Japan.
- Organizing summer schools and voluntary teaching: Cervia – Italy, Sarajevo – Bosnia Herzegovina, Belgrade, Serbia, Zdrejanin – Serbia, etc.
- Organizer – director chairperson or member of the team in the local / national scientific sessions of BENA (in 2010, 2011, 2012, 2013, 2014), ARA and AvH 2010, AvH 2005, COFRET in 2006, and member of the organizing committee, member of the scientific committee (Sienna, Timișoara, 1999, ISP16, Prague 2005 Workshop, Wroclaw, 2005 BENA, 2007, Belgrade 2007 WSEAS - WWAI in 2010).
- Organising workshops: BANATAIR in November 2011 and BIOHEAT in November 2011, Timisoara.
- President of the AER Subcommittee of the Local Partnership for Environment, Timis.
- Award of the *Energetica* Journal for the year 1988 for the works on *Combustion of coal dust in the ultrasound field* [original title: Arderea prafului de cărbune in câmp de ultrasunete] (No. 6-1987) and *Possible interpretation of derivatives of coal dust* [Posibilități de interpretare a derivatogramelor prafului de cărbune] (no. 8-1987).
- Honorary Diploma of AGIR, Timis Branch 2003.
- Diploma of Recognition of Scientific Achievements awarded by JUMV (Yugoslavia Society of Automotive Engineers), Belgrade, 2003.
- Diploma of Recognition of Scientific Achievements awarded by THERMO association (Branch of Thermal Engineering and thermogravimetry), Budapest 2003.
- First prize at national level awarded by AGIR for the papers: *Integrated management of municipal waste* (co-author) [original title: Gestionarea integrata a deșeurilor municipale], First place in the Timis County for *Integrated management of municipal waste* (co-author) [original title: Gestionarea integrata a deșeurilor municipale], and *Thermoenergetics and environment*. Second edition, co-author [ original title: Termoenergetica si mediu].
- Honorary Diploma AGIR 2006, 2007, Timis County.
- Diploma of recognition, Faculty of Mechanical Engineering, 2006 (for research activities).
- ARA Member (American-Romanian Academy) 2005, 2009 for Romania.
- Specialized training (3 weeks) in advanced technologies in 1980 and 1981 in Germany, and in the field of motocompressors in England, in 1982, at the company Ingersoll Rand.
- October 1992 - September 1993 – one year research and documentation internship at the Technical University Munich, Department of thermodynamics and Department of energy and environmental technology, in the field of technology cleaning of flue gases, as fellow of Alexander von Humboldt Foundation (Germany).
- October 1993 - December 1994 – documentation internship at Queen Mary & Westfield University College London (UK) in the field of dispersion of combustion gases emitted by smokestacks, as fellow under the EU program PECO GO WEST.

- 07.01.1994 - 30.09.1994 - resuming the research and documentation internship at the Technical University Munich, Department of thermodynamics and Department of energy and environmental technology, in the field of technology cleaning of flue gases, as fellow of Alexander von Humboldt Foundation (Germany).
- 01.07.1995 - 30.09.1995 – Visiting professor (Professor Gastvortragender) at the Technical University Munich, Department of Energy and environmental technology, as fellow of the Alexander von Humboldt Foundation.
- February 1997 – March 1997 - TEMPUS specialized training in the field of environmental protection at the Technical University of Graz (Austria), in order to develop new courses.
- September 1998 – specialising in the FLUENT codes, Thessaloniki, Greece, at ENERVAC Flutec
- July 1998 - Visiting Professor (Gastdozent) at the Technical University of Munich.
- July 1998 – summer school course at the NATO Advanced Institute in the field of advanced thermodynamics, Neptun, Romania.
- 2000 - 2001 - Visiting Professor at the Technische Universität Graz, Socrates program, Universität Stuttgart, Technische Universität Berlin, Technische Universität Munich (two weeks).
- 2001 - 2002 - Visiting professor / researcher for a research internship in the field of using alternative fuels for power generation plants under the program Stabilitätspakt für Osteuropa (Stability Pact for Eastern Europe), funded by the Alexander von Humboldt Foundation.
- October – December 2002, DAAD scholarship at the Technical University Munich and Stuttgart.
- May - June 2003 - Visiting Professor at the Technische Universität Graz, Socrates program, Universität Stuttgart, Technische Universität Braunschweig, Technische Universität Munich
- February 2004 – Guest Professor under SOCRATES program at Universität Stuttgart, Technische Universität Braunschweig (one-two weeks)
- 2005 - Chairwoman BENAN (Balkan Environmental Association) for Politehnica University Timisoara, responsible with the local branch
- 2005 - Visiting professor in the SOCRATES program at TU Graz, TU Braunschweig, TU Munich, Stuttgart U (one-two weeks)
- 2006 - Visiting professor in the SOCRATES program at TU Graz, TU Braunschweig, TU Munich, Stuttgart U (one-two weeks)
- 2007-2009 - Teaching professor in the SOCRATES program at TU Graz, TU Braunschweig, TU Munich, Stuttgart U (reduced periods)
- 2010 - Diploma of Excellence, Faculty of Economics and Business Administration, West University, Timisoara
- 2010 - Diplomas and gold, silver and bronze medals at INVENTICA in 2010, 2011, 2012 Bucharest, Romania for 3 patents
- 2011 - Diploma and gold Medal at the International Invention Exhibition - IENA 2011 Nuremberg, Germany for invention
- 2011 – 1<sup>st</sup> Prize for International relations category with respect to the work "Bio-energy from Short Rotation Coppice – SRC, as Source for the 2030 Vision of District Heating - DH", Berlin, Germany
- 2013 Award at the Regional Innovation Fair Arad, offered by InnoMatcch
- 2014 Award / Excellence Diploma in chemistry / physics awarded by the ARA Academy (American Romanian Academy), Frascati, Italy

Publishing activity (selection):

- Co-author of 7 patents (in Romania), books (more than 28 books in Romanian, German, English), articles (over 300 articles, more than 80 articles are ISI) on research and development in the field of applied thermodynamics, air quality, environmental protection, classical and renewable clean energy systems, risk assessment, etc. Coordinator of over 140 national research projects (both private industry and state-financed projects) and international projects (JOULE, FP, IEE, transnational projects with Serbia and Hungary, Norway grants, POSDRU/SOPDHR, etc.).

ANNEXES

Selective list of coordinated projects

Available on request:

Selected list of coordinated national, international, EU projects on structural funds

ISI list of papers

List of other publications

▪ List of patents

▪ Diplomas / Certificates

**June , 2019**

*Ioana Ioana*



**Scientific innovation Grants (international / national)  
covering environmental / renewables themes**

**Coordinated by prof.dr.ing.  
Ioana Ionel**

<b>Nr. crt.</b>	<b>International grants (name in original)</b>	<b>NB. Grant</b>	<b>Interval</b>
1	Automatic harvesting system for SRC nurseries	315416 - FP7	2012-2014
2	BanatAir- SUSTAINABLE DEVELOPMENT FOR BANAT REGION BY MEANS OF EDUCATION AND SCIENTIFIC RESEARCH & DEVELOPMENT IN TRANSBOUNDARY AIR QUALITY MONITORING ISSUES	cod 385 MIS-ETC	2010-2011
3	Contribution to sustainable development by assessing the transboundary air pollution upon the cultural&turistical heritage in HU-RO border - TRANSAIRCULTUR	HURO/1011/139/1.3.4	2012-2013
4	Corss-border joint RDI in the field of biogas production, a suitable renewable energy carrier for Hungary and Romania - RESGAS	HURO/1001/193/2.2.2	2012-2013
5	Promotion of short rotation coppice for district heating systems in Eastern Europe - BIO-HEAT	IEE/09/890/SI2.558326	2010-2012
6	Romanian Atmospheric Research 3D Observatory	STVES - 2008/115266	2009-2011
7	GREENENERGY - Energy optimisation in European greenhouses	Proposal NB 012566-2, Contract COLL CT 2005 012566	2005-2007
8	NETBIOCOF - European Integration network for biomas incineration	FP6 - CT SES6-CT-020007	2005-2006
9	CETEOR - Subcontract experts in regions comprised of Albania, Macedonia, Serbia Montenegro, Romania, Bulgaria, Croatia, Moldova	P137	2005-2006
10	UPSWING - Unification of power plant and solid waste incineration	NNE5-2001-00719	2002-2005
11	Combined cycle power plant with integrated low temperature heat – NAS LOTHECO	ENK5-CT2000-00063	2002-2003
12	Remote Optical Sensing Evaluation-ROSE	EU-RO 41/04XI2008 din 218/4XI2003	2001-2004
13	Air quality improvements by means of traffic interventions	COPBIL agreement 772/20.01.2000	2000-2002
14	Predrying of Moist Fuel for Energy Production	PL 970 116	1998-2000
15	Novel Approaches in Advanced Combustion Technologies "cu tema" Characterisation of Low Calorific Lignites and NOx Control by Urea Injection	ERBCIPDCT 940508	1995-1997

16	EUBIONET III – WP3 Solutions for biomass fuel market barriers and raw material availability	IEE/07/777/SI2.499477	2010
17	EUBIONET III – WP6 Solutions for biomass fuel market barriers and raw material availability	IEE/07/777/SI2.499477	2010
18	EUBIONET III – WP2 Solutions for biomass fuel market barriers and raw material availability	IEE/07/777/SI2.499477	2009
19	EUBIONET III – WP4 Solutions for biomass fuel market barriers and raw material availability	IEE/07/777/SI2.499477	2009

Nr. crt.	National grants (name in original)	NB Grant	Interval
1	Instrument inovativ de analiza a calitatii aerului in zone urbane - AIRQ / Novel Tool for Urban Air Quality Monitoring - AIRQ	5 RO-FR / 2012/AIRQ	2012-2014
2	EPOC - Energie pentru un oras curat / Energy for a clean city	22131/2008	2008-2011
3	Reteaua romana de sisteme LIDAR - ROLINET / Romanian Lidar Network - ROLINET	31-002	2007-2010
4	OVAPED – Optimizarea valorificării potențialului energetic al deșeurilor pentru obținerea energiei curate în instalații industriale românești / Optimizing recovery of waste energy potential in order to obtain clean energy in Romanian industrial plant	282	2006-2008
5	TOP – Teledetecția optică în studiul integrat al poluării din stratul limită planetar urban / Teledetecția optică în studiul integrat al poluării din stratul limită planetar urban	734	2006-2008
6	EmSHIPs – Cercetări privind sistemele de control și evaluare a nivelului de emisii în transportul naval / Research on the systems of control and evaluation of the level of emissions in the naval transport	108	2006-2008
7	TECEBAC - Dezvoltarea de tehnologii curate de producere a energiei pe bază de cărbune / The development of clean technologies for the production of coal-fired energy	48	2005-2007
8	Cercetari privind arderea combinata a deseurilor urbane sau biomasa cu carbune si epurarea gazelor de ardere / Research on the combustion of urban waste or mixed biomass with coal and flue gas cleaning	410	2004-2006
9	Tehnologie noua de valorificare a biomasei prin ardere in strat fluidizat / The new technology of recovery of biomass in fluidized bed combustion through	461	2004-2006
10	Implementarea unui incinerator de deseuri solide la o centrala termoelectrica / The implementation of a solid waste incinerator to a thermoelectric power plant	42/4.11.03	2003-2005
11	Monitorizarea calității aerului prin gestionarea surselor de poluare (tip A) / Monitoring air quality by managing sources of pollution (type A)	cod CNCSIS 812, Nr. crt. 23	2002-2005



<b>Didactic innovative grants</b>		<b>Coordinated by prof.dr.ing. Ioana Ionel</b>
<b>Name of the grant in original</b>	<b>NB Grant</b>	<b>Interval</b>
Sustainable development for Banat region by means of academic education and scientific research & development in transboundary air quality monitoring issues	MIS-ETC code-385	2009-2011
EUROACADEMY ON VENTILATION AND INDOOR CLIMATE	MSCF-2005-029900	2005-2007

<b>Denumirea grantului national</b>	<b>Nr. Grant</b>	<b>Anul</b>
Parteneriat regional si euro-regional pentru tranzitia spre piata muncii prin consiliere pentru cariera si stagii de practica la angajator - PRACTICOR @ EURO-REGIO / Regional partnership and the euro-regional for the transition to the labour market through career counseling and internships at employer - PRACTICOR @ EURO-REGIO	POSDRU/161/2.1/G/132889, cod SMIS: 51563	2014-2015
Inginerie de Mentenanță pentru - ELI-NP / Extreme Light Infrastructure Nuclear Physics - ELI-NP	POSDRU/156/1.2/G/142253	2014-2015
Retea Nationala de formare CONTinua a CadreLOR Didactice din Invatamantul Preuniversitar Profesional si Tehnic - CONCORD / National Network of Training for Teachers from Professional and Technical Pre-University Education - CONCORD	POSDRU/87/1.3/S/61397	2010-2013
Retea transnationala educationala privind orientarea si practica pentru cariera, corelate cu piata muncii, in societatea cunoasterii - PRACTICOR / Transnational Educational Network for Career Guidance, Counseling and Practice Correlated with the Labour Market, in the Society of Knowledge – PRACTICOR	POSDRU/90/2.1/S/48816	2010-2013
Dezvoltarea si sustinerea de programe postdoctorale multidisciplinare in domenii tehnice prioritare ale strategiei nationale de cercetare - dezvoltare - inovare 4D-POSTDOC / Development and support of postdoctoral programs in technical fields of multidisciplinary priorities national strategy of research-development-innovation	POSDRU/89/1.5/S/52603	2010-2013
Imbunătățirea performanțelor energetice și reducerea poluării la mașinile și echipamentele termice, pentru studii aprofundate si master, doctorat / Improvement of energy performance and reduce pollution from cars and heating equipment for advanced studies and a master's degree, Ph.d.	Grant 5D cu CNCSU– cod 63	1999-2002

Cercetari prin simulare numerica a poluarii mediului datorita surselor stationare si traficului / Numerical simulation of research through environmental pollution due to stationary sources	CNFIS 37275/5 cod 57/R3	1999-2001
Reabilitarea laboratorului pentru analize de combustibili si investigatii ecologice in vederea acreditarii / Rehabilitation laboratory for analysis of organic fuels and investigations for the purpose of accreditation	CNFIS cod 54 avand nr 37275/3	1999-2000
Imbunătățirea învățământului de inginerie a mediului / Improvement of environmental engineering education	Proiect CNFIS cod 139	1999-2000
Laborator pentru simulări numerice legate de geneza și dispersia noxelor emise de surse staționare și mobile de poluare (tip E) / Laboratory for numerical simulations related to the genesis and scattering emanating from harm stationary and mobile sources of pollution (type E)	cod CNCSIS 256	2002
Studii și cercetări privind energoecologia mașinilor și echipamentelor termice și a vehiculelor de transport / Studies and research on the heat energoecologia machinery and equipment and transportation vehicles	CNCSIS cod 29	2000-2002