



Europass Curriculum Vitae



Personal information

Nume / Prenume **NICOLAIE SERGIU**
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E-mail ecosergio@icpe-ca.ro; nicosergiu@yahoo.com;
Nationality Romanian
Birthday 19 July 1964
Sex male

Locul de muncă / Domeniul ocupațional

Research

Work experience

Dates August 1983 – present
Occupation or position held Designer technician (1985); starting engineer (1989); Ph. D. in power engineering (2009)
Main activities and responsibilities Head of Energy Department from INCDIE ICPE-CA
Name and address of employer National Institute for R&D in Electrical Engineering ICPE-CA; 313 Unirii Blvd, Avenue, district 3, Bucharest Romania
Type of business or sector Research, development and innovation

Education and training

Dates **September 1983 – July 1989**
1. Title of qualification awarded **Mechanical engineering**
Principal subjects/ occupational skills covered Hydraulic and pneumatic machines
Name and type of organization providing education and training University "Politehnica" Bucharest
Faculty of Mechanical
Level in national or international classification Diplomat engineer
Dates **September 1998 – July 2000 – post - university studies in sustainable development and eco-technique**

2. Title of qualification awarded **Post – university studies in sustainable development and eco-techniques**

Name and type of organisation providing education and training University of Bucharest
Faculty of Biology

Level in national or international classification Master

Dates **November 2001 – June 2009**

Title of qualification awarded **PhD. in Power engineering**

Level in national or international classification Ph D. power engineering

Personal skills and competences

- acoustic and vibration control techniques
- hydraulics and pneumatically turbo machinery
- sustainable development and biodiversity
- renewable energy sources (hydro, wind, solar)

Mother tongue(s) **Romanian**

Other language(s) **English**

Self-assessment

European level ()*

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user

(*) *Common European Framework of Reference for Languages*

Social skills and competences Romanian and European trade union and law legislation

Organisational skills and competences Leader of Energy Department from INCDIE ICPE-CA Bucharest

Technical skills and competences

- acoustic and vibration control techniques
- hydraulics and pneumatically turbo machinery
- sustainable development and biodiversity
- renewable energy sources (hydro, wind, solar)

Computer skills and competences Good user of Microsoft Windows programs, ACAD

Artistic skills and competences -

Other skills and competences

- Geography
- Geopolitics
- Sports

Driving license B category

Additional information Include here any other information that may be relevant, for example contact persons, references, etc. (Remove heading if not relevant, see instructions)

Annexes A1 CV - Relevant experience for the project

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Programme /project	Position	Period
AMTRANS- MECT/ Autonomous River Buoy, by energetically point of view, with lighting signalisation, usable on Danube.	Project Director	2001-2003
MENER- MECT/ Oxygen transfer optimisation process by using the porous diffusers on biological purification technologies.	Project Director	2003-2005
SECURITATE-ME Ct/ System with power autonomy, for supervise the River naval channel, in military applications.	Project Scientific Manager for INCDIE ICPE-CA	2005-2006
CEEX - ME Ct/ The enhancing of hydropower micro- potential. Micro hydro power plants.	Project Scientific Manager for INCDIE ICPE-CA	2005 -2007
NUCLEU – MECT/ Power conversion micro units, based on renewable energies (hydro, wind, solar, biomass), usable on remote areas.	Project Scientific Manager for INCDIE ICPE-CA	2006-2008
CEEX - ME Ct/ Hydro power systems for conversion-storage-distribution of renewable energies, dedicated to ecological River transport, on protected areas.	Project Director	2006-2008
PNCDI-2 – Four Program (Complex Projects) – MECT/ Innovative micro electric power plants, based on renewable resources (wind and hydraulics), with the extension of the working fluids speed range, beyond the usual limits	Project Director	2007-2010
PNCDI-2 – Four National Program (Complex Projects)– MECT/ Hydro-pneumatic electric plant, used for wave energy conversion.	Collaborator	2007-2009
PNCDI-2 – Four National Program (Complex Projects)– MECT/ Clean electro power application, located on River Prut, with unconventional submersible micro hydropower unit.	Project Director	2008-2010
CBC Program Romania – Bulgaria / MECMA Joint study regarding an electro-generator system powered by water turbine for cross-border ecological electrical transport system	Project Scientific Manager for INCDIE ICPE-CA	2011-2012

Date:

September 2011