



Europass Curriculum Vitae

Personal information

First name / Surname **George ANA**
Address Rm. Valcea, Romania
Telephone _____ Mobile: 004 072 815 0001
E-mail george.ana@icsi.ro
Nationality Romanian
Date of birth March 14th, 1982
Gender male

Desired employment / Occupational field

Work experience

Dates	May 2014 – present
Occupation or position held	Responsible for coordinating the activities within the Pilot Plant
Main activities and responsibilities	<ul style="list-style-type: none">- Organizes, coordinates and verifies the activity of the personal ;- Approves documents that regard the activity and changes of the facility;- Assures that all activities of subcontractors are managed and coordinated in accordance with the timetable issued and approved by the facility management;- Participates to scientific meetings with presentations that are based on the results of research and development and publishes papers, in accordance with the law;- Undertake research (preparing, setting up, conducting and recording the outcome of experiments and field work, the development of questionnaires and conducting surveys).
Name and address of employer	Institute for Cryogenics and Isotopes Technology, 4 Uzinei Street, Rm. Valcea, Romania Tel: 0040 250 732 744 Fax: 0040 250 732 746 www.icsi.ro
Type of business or sector	Research Institute
Dates	November 2006 – May 2014
Occupation or position held	Mechanical engineer
Main activities and responsibilities	Training activities regarding: <ul style="list-style-type: none">- liquid phase catalytic exchange (LPCE) and cryogenic distillation (CD) processes;- tritium measurement techniques;- cryogenic systems;- liquid hold-ups measurements in a cryogenic column, etc. Experimental activities (operation, sampling) with the isotopic separation systems (LPCE and CD). Design, calculations and modelling (3D, 2D) for various components, parts used for the isotopic separation systems. Responsible with the implementation of the cryogenic distillation technological upgrade Reports with the activity undertaken
Name and address of employer	Institute for Cryogenics and Isotopes Technology, 4 Uzinei Street, Rm. Valcea, Romania Tel: 0040 250 732 744 Fax: 0040 250 732 746 www.icsi.ro
Type of business or sector	Training stage at Forschungszentrum – Tritium Laboratory, Herrmann-v.-Helmholtz-Platz 1, Eggenstein, Karlsruhe, Germany (2 years) Training stage at JET, Culhan, United Kingdom (1 month) Research Institutes

Dates **May 2006 – November 2006**

Occupation or position held Engineer

Main activities and responsibilities Designing AutoCAD drawings for contour cutting of polyurethane foams, establishing the technical documentation, material consumption, checking and up keeping the informatic module of production.

Name and address of employer Poliflex SRL, 13 Garii Street, Selimbar, Sibiu, Romania
Tel: 0040 269 207 800 Fax: 0040 269 207 808
www.poliflex.ro

Type of business or sector Flexible polyurethane foam manufacturer

Education and training

Dates **October 2009 – 2015**

Title of qualification awarded PhD student
Specialization: Industrial Engineering

Principal subjects/occupational skills covered Project Management
Contributions to the design of a cryogenic distillation plant for hydrogen isotopes separation, in order to recover tritium, using CAD/CAE and computational software

Name and type of organisation providing education and training 'Transilvania' University of Brasov
University POLITEHNICA of Bucharest

Dates **October 2006 – July 2008**

Title of qualification awarded Masters Degree
Section: Industrial Management

Principal subjects/occupational skills covered Project Management

Name and type of organisation providing education and training 'Lucian Blaga' University of Sibiu – "Hermann Oberth" Engineering Faculty

Dates **October 2001 – July 2006**

Title of qualification awarded Diplomat Engineer
Section: Industrial Engineering
Specialization: Non-conventional Technologies

Principal subjects/occupational skills covered Technical Drawing, CATIA V5, AutoCAD, ProEngineer, Clamping devices, Material working with concentrated energies

Name and type of organisation providing education and training 'Lucian Blaga' University of Sibiu – "Hermann Oberth" Engineering Faculty

Personal skills and competences

Mother tongue

Romanian

Other language

Self-assessment

European level ()*

English Language

German Language

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent user	B2	Independent user	B1	Independent user	B1	Independent user	B1	Independent user
A2	Basic user	A2	Basic user	A1	Basic user	A1	Basic user	A1	Basic user

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

Social skills and competences

- Team work: I have worked in various types of teams starting during my studies, when I have participated to activities regarding the practical projects; I continued to strengthen this experience as an employee in different companies
- Intercultural skills: I am experienced in working in an European dimension due to my working stages abroad (US, UK and Germany)

Computer skills and competences

I have a good control of Microsoft Office instruments (Word, Excel, Power Point) and of industrial design instruments CATIA V5, AutoCAD, project management software – Primavera (beginner)

Additional information

(published papers)

1. **G. Ana**, *I. Cristescu, L. Dörr, R. Michling, S. Welte, W. Wurster*, Design and experimental activities in view of Water Detritiation–Isotopic Separation Systems combination in TRENTA facility - Fusion Engineering and Design, no. 84, 2009, p. 398 – 403;
2. **G. Ana**, *M. Drăghia*, Pressure and temperature transients of a Cryogenic Distillation System during abnormal operation or accidents - Fusion Engineering and Design, vol. 87, no. 5–6, 2012, p. 543–546;
3. *S. Welte, G. Ana, I. Cristescu, L. Dorr, B. Kuntz, J. Konrad, R. Michling*, Construction and commissioning of an ITER sized Pd/Ag permeator for a water detritiation experiment - Fusion Engineering and Design 84 (2009), p.1969 – 1972;
4. *W. Wurster, G. Ana, I. Cristescu, F. Eichelhardt, P. Pfeifer*, Combustion of Hydrogen from the ITER Water Detritiation System - Fusion Engineering, 2009. SOFE 2009. 23rd IEEE/NPSS - E-ISBN : 978-1-4244-2636-2;
5. *I. Cristescu, G. Ana, D. Demange, R. Michling, Alina Niculescu, C. Petrutiu, T. Pinna, S. Welte*, Design and R&D activities of TriPla-CA Consortium in support of ITER Tritium Plant development, Fusion Engineering and Design , Fusion Engineering and Design 89 (2014) 1524–1528;
6. **G. Ana**, Tritium Measurement systems used in the Detritiation Experimental Pilot Plant from Rm. Vâlcea – Recent advances in electrical engineering, ISSN: 1790-5117, ISBN: 978-960-474-130-4, WSEAS, 2009, p. 46 – 50;
7. **George Ana**, *Ion Cristescu, Mirela Draghia, Ciprian Bucur, Mihai Vijulie, Gheorghe Popescu, Claudiu Costeanu, Nicolae Sofilca, Iulia Stefan, Robert Daramus, Alina Niculescu, Anisoara Oubraham, Ionut Spiridon, Felicia Vasut, Carmen Moraru, Sebastian Brad , Gheorghe Pasca*, Construction and commissioning of a hydrogen cryogenic distillation system for tritium recovery at ICIT Rm. Valcea, Fusion Engineering and Design 106 (2016) 51–55;
8. *Marius Zamfirache, Anisia Bornea, George Ana, Liviu Stefan, Ioan Stefanescu*, ICSI involvement in activities related to tritium management in Romania, Fusion Engineering and Design 109-111 (2016) 647–651;
9. **George Ana**, Nicolae Sofilca, Alina Niculescu, Mirela Draghia, Investigation of some critical scenarios due to various failures of ICSI Cryogenic Distillation System, Fusion Engineering and Design 124 (2017) 861–864;
10. Alina Niculescu, **George Ana**, Toma Constantin, Mirela Draghia, Dynamic simulation of a multicomponent distillation column for D-T separation, Fusion Engineering and Design 124 (2017) 752-756;
11. **George Ana**, Mirela Draghia, Alina Niculescu, Anisia Bornea, Marius Zamfirache, TCAP hydrogen isotope separation process under development at ICSI Rm. Valcea, accepted for publication