



Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Marian-Andrei ISTRATE**
Address(es) Bucharest, District 3, Romania
Telephone(s) Mobile: +40721769294
E-mail istrate_marianandrei@yahoo.com
Nationality Romanian
Date of birth 20th November 1985
Gender Male

Work experience

Dates	December 2012 – Present
Occupation or position held	Technical Director
Main activities and responsibilities	Service and maintenance of HVAC systems
Name and address of employer	SC Clima Instal Systems SRL, Prunilor Street 15 District ILFOV, PANTELIMON City
Type of business or sector	HVAC Industry
Dates	December 2010 – December 2012
Occupation or position held	Technical supervisor
Main activities and responsibilities	Service and maintenance of HVAC systems and Clean Rooms Qualifications
Name and address of employer	SC Conect Instal Service SRL, Ilie David 26 District 4, Bucharest
Type of business or sector	HVAC Industry and Clean Rooms
Dates	February 2007 – December 2010
Occupation or position held	Technical supervisor
Main activities and responsibilities	Service and maintenance of HVAC systems and Clean Rooms Qualifications
Name and address of employer	SC Global Pharma Service SRL, Ilie David 26 District 4, Bucharest
Type of business or sector	HVAC Industry and Clean Rooms
Dates	March 2004 – February 2007
Occupation or position held	Maintenance plumber and stoker
Main activities and responsibilities	Service and maintenance of HVAC systems, plumbing and heating systems
Name and address of employer	SC Phoenicia Hotels SA, Avenue Alexandru Serbanescu 87, District 1, Bucharest
Type of business or sector	Hotel

Education and training

Dates	2014 - Present
Principal subjects/occupational skills covered	Energy efficiency of building services and equipment, " <i>Numerical and experimental studies of ventilation systems in educational buildings</i> ".
Name and type of organisation providing education and training	Faculty of Building Services Engineering, Technical University of Civil Engineering Bucharest
Level in national or international classification	PhD student
Dates	2012 - 2014
Principal subjects/occupational skills covered	Energy efficiency of building services and equipment
Name and type of organisation providing education and training	Faculty of Building Services Engineering, Technical University of Civil Engineering Bucharest
Level in national or international classification	Master Degree
Dates	2007 - 2012
Principal subjects/occupational skills covered	Engineering of building services and equipment
Name and type of organisation providing education and training	Faculty of Building Services Engineering, Technical University of Civil Engineering Bucharest
Level in national or international classification	Bachelor of Science
Dates	09 th January 2013
Principal subjects/occupational skills covered	Technical Director of refrigeration systems
Name and type of organisation providing education and training	"Asociatia Generala a Frigotehnistilor din Romania"
Dates	09 th January 2013
Principal subjects/occupational skills covered	Operator worker with refrigerant fluids, first category
Name and type of organisation providing education and training	"Asociatia Generala a Frigotehnistilor din Romania"
Dates	05 th of October 2012
Principal subjects/occupational skills covered	Evaluation certificate of working with refrigerant fluids, first category.
Name and type of organisation providing education and training	"Rossoos Frigotehnic"
Dates	2007 - 2009
Principal subjects/occupational skills covered	Topographer in constructions, plumbing systems and architecture
Name and type of organisation providing education and training	"Mihai Bravu" Technical College
Dates	2005 - 2006
Principal subjects/occupational skills covered	Stoker
Name and type of organisation providing education and training	SC Interom-Institutul Tehnologic SRL

Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s)

Self-assessment

European level (*)

English

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user

Organisational skills and competences Coordinating team during work projects

Technical skills and competences Competences in HVAC systems, plumbing and heating systems design and execution

Computer skills and competences Competent with most of the Microsoft Office programs
Competences in AutoCAD, Comsol Multiphysics Modeling and Simulation Software, Coolpack

Other skills and competences

*Co-author of the article “*Air Flow Characteristics Inside an Industrial Wood Pallet Drying Kiln*” which was presented and published at CECEPM 2010 Conference of Faculty of Buildings Services and at Comsol Conference 2010 in Paris
http://instal.utcb.ro/conferinta_2010/articole/ghiaus_istrate_2010.pdf
<https://uk.comsol.com/paper/air-flow-characteristics-inside-an-industrial-wood-pallet-drying-kiln-8425>

*Co-author of the article “*Ventilation System of a Microwave Assisted Drying Kiln*” which was presented and published at Comsol Conference 2012 in Milano
<https://uk.comsol.com/paper/ventilation-system-of-a-microwave-assisted-drying-kiln-13437>

*Author of the article “*Experimental research of an evaporative cooling system installed into a classroom*” which was presented at RCPB VIth International Conference of Faculty of Building Services - 5th June 2014

*Promote of the project “*Experimental research of an evaporative cooling system installed into a classroom*” at TV and yahoo.news. http://stiri.tvr.ro/aer-curat--elevi-cu-note-mai-bune-un-aparat-care-scade-poluarea--montat-la-colegiul-anghel-saligny_45001.html

*First place at category “*Green Building Education Initiative of the Year*” by ROGBC 2014 (Romania Green Building Council) <http://www.rogbc.org/en/green-awards/2014-gala>

*Creativity awards by ARCUB – UNATC 2014 <http://www.amosnews.ro/castigatorii-premiilor-creativitatii-arcub-unatc-2014-2014-12-15>

*Author of the article “*Indoor air quality improvement in a classroom using an evaporative cooling ventilation system*” which was presented at Young Researchers Conference, Technical University of Civil Engineering Bucharest– 19-20th November 2014 <http://yrc.utcb.ro/pictures2014.html>

*Creativity awards by Cafeneaua de Inovare, Iunie 2015 <http://cafeneauadeinovare.ro/competitie.html>

*Author of the article “*Experimental measurements of VOC and Radon in two Romanian classrooms*” which was presented at Sustainable Solutions for Energy and Environment, EENVIRO - YRC 2015, 18-20 November 2015, Bucharest, Romania which was published in Elsevier Energy Procedia
<https://www.sciencedirect.com/science/article/pii/S1876610215029197?via%3Dihub>

*Author of the article “*Indoor temperature in two classrooms before and after a thermal rehabilitation*” which was presented at The 8th “Romanian Conference on Energy Performance of Buildings” (RCEPB-VIII)2–3 June 2016Bucharest, ROMANIA <http://www.rcepb.ro/>

*Co-author of the poster presentation "*Smart systems for control and mitigation of residential radon linked with energy efficiency in Romania*" which was presented and at 8th International Conference on Protection against Radon at Home and at Work, 12...16 September 2016, Prague
<http://www.radon2016.cz/invitation>

*Co-author of the poster presentation "*Laboratory studies on indoor Radon ventilation*" 2017, Cluj Napoca

*Co-author of the article "*Comparison of indoor air pollutants concentration in two Romanian classrooms*" which was presented and published at EENVIRO Conference 2017 in Bucharest
https://www.e3s-conferences.org/articles/e3sconf/abs/2018/07/e3sconf_eenviro2018_01023/e3sconf_eenviro2018_01023.html

*Promote of the project "*Heat recovery unit installed into a classroom*" at TV (Digi 24, Plan Detaliu, from 22'25"). <https://www.digi24.ro/emisiuni/plan-detaliu/plan-detaliu-18-februarie-20-30-880552>

Driving licence "B" Category since October 2004