



Curriculum vitae
Europass



Personal Information

Name / Surname

DAN CODRUȚ PETRILEAN

Address

██████████ Aleea Poporului Street, code 332003, Petrosani, Hunedoara County, Romania

Telephone

+4 0 254 542580

Mobile: ██████████

E-mails

dcpetrilean@yahoo.com; danpetrilean@upet.ro

Marital status

Married, 2 children

Nationality

Romanian

Date of Birth

October 1st 1975

Sex

Male

Professional experience

Period

March 2020 - currently

Occupation or position held

Vice rector

Main activities and responsibilities

European projects, economic environment, university promotion and admission
University of Petrosani

Name and address of employer

Higher education

Type of business or sector

European projects, university promotion and admission

Period

19.02.2018 - currently

Occupation or position held

Professor

Teaching, Research, Dissemination, Coordination of student projects / activities for the disciplines:

Thermodynamics, Thermodynamics and thermal machines, Thermodynamics and transfer unit operation, Thermodynamics, Fundamentals of Thermodynamics; Balance and energy balance, thermal engines

Main activities and responsibilities

Scientific research activity in the field of applied thermodynamics and heat engineering
Graduation and dissertation projects coordinator, member of doctoral committees, member of dissertation committees

Name and address of employer

University of Petrosani

Type of business or sector

Higher education

Period

April 2017- currently

Position

PhD supervisor in INDUSTRIAL ENGINEERING, Order M.E.C.S. no. 3685/13.04.2017 and Decision no. 53, dated May 25th 2017, of the Senate of the University of Petroșani
Coordination of all research – documented activities of PhD students

Main activities and responsibilities

University of Petroșani
Higher education

Period	October 2017 -currently
Position	Director of the Centre for International Relations and European Development (CRIDE)
Main activities and responsibilities	Strengthening the position of the University of Petrosani in the European Higher Education Area University of Petrosani Higher education
Period	February 23 th 2015 – February 18 th 2018
	Associate professor
	Teaching, Research, Dissemination, Coordination projects / activities students at the disciplines: Thermodynamics, Thermodynamics and thermal machines, Thermodynamics and transfer unit operation, Thermodynamics, Fundamentals of Thermodynamics; Balance and energy balance, thermal engines Scientific research activity in the field of applied thermodynamics and termotechnics Graduation and dissertation projects coordinator, member of doctoral committees, member of dissertation committees
Name and address of the employer	University of Petrosani
Type of activity or activity domain	Higher education
Period	2016- 2020
Occupation or position held	Member of the Faculty of Mechanical and Electrical Engineering Council
Name and address of the Employer	University of Petrosani
Type of activity or activity domain	Higher education
Period	2016- 2018
Occupation or position held	Member of the ethics committee
Name and address of the Employer	University of Petrosani
Type of activity or activity domain	Higher education
Period	March 5 th 2007 – February 22 th 2015
Position	Lecturer
Main activities and responsibilities	Elaborating courses, workshops, and laboratory practices for: Thermotechnics, Thermotechnics and thermal machineries, Thermodynamics and united transfer operations, Thermodynamics Fundamentals, Energetic Balances; Thermal motors, carrying out scientific research contracts
Name and address of the Employer	University of Petrosani
Type of activity or activity domain	Higher education
Period	February 2004 – 5 th of March 2007
Position	Assistant
Main activities and responsibilities	Workshop and laboratory activities for the following subject:: Thermotechnics, Thermotechnics and thermal machineries, Thermodynamics and united transfer operations, Thermodynamics Fundamentals, Energetic Balances; Thermal motors taking part in scientific research contracts, coordinating students for scientific meetings, professional practices activities with the students of the University of Petrosani.
Period	15 th of February 2001 – 15 th of February 2004

Position	Teacher's Assistant
Main activities and responsibilities	Workshop and laboratory activities for the following subject:: Thermotechnics, Thermotechnics and thermal machineries, Thermodynamics and united transfer operations, Thermodynamics Fundamentals, Energetic Balances; taking part in scientific research contracts, coordinating students for scientific meetings, professional practices activities with the students of the University of Petrosani.
Period	15th of August 1999 – 15th of February 2001
Position	Engineer
Name and address of the Employer	SC Energomontaj București SA
Type of activity or activity domain	Industry
Main activities and responsibilities	Supervision of repair, capital and investment works for thermal energetic installations of Mintia and Paroseni thermal heating plants.

Education and Professional Formation

Period	April 2017
Qualification / Diploma obtained	Certificate of habilitation in the Industrial Engineering Doctoral Degree, Order of M.E.C.S. no. 3685/13.04.2017
Principal subjects/occupational skills covered	Industrial Engineering - Thermotechnics and thermal machines, Assessment of energy efficiency of industrial systems
Name and type of organisation providing education and training	University of Petroșani, IOD – Doctoral School
Period	June – September 2010
Qualification / Diploma obtained	Energetic audit of existing buildings and their heat supply systems , Graduation certificate no. 452 dated December 06 th 2012, series I, no. 0005079 and descriptive certificate supplement.
Main objects studied / professional skills acquired	Building energetic efficiency determination method, Heating systems, Cogeneration systems, Energy consumption determination and interior illumination system efficiency development, Existing buildings energetic performance, Heating and cooling pumps installations implementation, Frigorific systems energetic audit, Building composition. Energetic performances of the buildings imposed by the technical regulations in force, Composition solutions of the construction elements used in Romanian dwellings, The energetic of thermal equipment of the heating installations, Meteorological factors and interior climate of buildings, Thermal spots, central heating and thermal networks analysis, Hot water creation and supply networks, The influence of the rate of ventilation on the energetic efficiency of buildings.
Name and type of educational institution / formation provider	Technical University of Civil Engineering Bucharest Faculty of Installations
National or international classification level	ISCED 6
Period	13 th of September 2010 – 21 st of September 2010
Qualification / Diploma obtained	Project Manager . Graduation certificate no. 0179 dated November 11 th 2010, series E, no. 0038019 and descriptive certificate supplement.

Main objects studied / professional skills acquired	Establishing the scope of the project, Establishing the integrated project management requirements, Planning the activities and landmarks of the project, Managing the costs and operational resources of the project, Risk management, Project Team Management, Project communication management, Project quality management.
Name and type of educational institution / formation provider	Ministry of Labour, Social Solidarity and Family and Ministry of Education Research and Youth, EXELO TRAINING&DEVELOPMENT, PFoA suppliers
Period	2007
Qualification / Diploma obtained	Trainer of trainers , Graduation certificate, no. 280/21 st of November 2007, Series B, no. 0036547 and descriptive certificate supplement.
Main objects studied / professional skills acquired	Professional development of the trainer of trainers, Developing and processing the managing documents, Implicational communication and team work stimulation, Ensuring the counselling services, Organising and monitoring the training sessions, Market prospecting and promoting the formation programmes, Developing the formation strategy, assessing the beneficiaries, products and programmes, Designing and developing courses / formation stages, Selecting operational strategies and procedures and enhancing the performance of training programmes.
Name and type of educational institution / formation provider	Ministry of Labour, Social Solidarity and Family, Ministry of Education, Research and Youth, The Chamber of Commerce and Industry of Hunedoara County, PFoA suppliers.
Period	April – 30 th of June 2007
Qualification / Diploma obtained	Thermo-energetic balances development , series G, no. 002742/142/13 th November 2008
Main objects studied / professional skills acquired	Basics of Thermo-energetic, Measuring the non-electric measures, Developing and analysing the thermo-energetic balances
Name and type of educational institution / formation provider	Technical University of Cluj-Napoca
National or international classification level	ISCED 6
Period	19 th of September 2007
Qualification / Diploma obtained	Class B Authorised Energetic Auditor , authorisation no. 53/19.09.2007
Main objects studied / professional skills acquired	Basics of Thermo-energetic, Measuring the non-electric measures, Developing and analysing the thermo-energetic balances
Name and type of educational institution / formation provider	National Agency for Energetic Conservation, NAEC (ANRE)
Period	2002 – 2005
Qualification / Diploma obtained	Ph.D. diploma in the field of Mining, Oil and Gases. "Researches regarding the increase of efficiency in producing and using pneumatic energy in the mining industry", series E, no. nr. 0007645, Decision of the Ministry of Education and Research no. 3824 of the 3 rd of May 2006.
Main objects studied / professional skills acquired	Thermo-energetic, Thermotechnics, Heat and mass transfer, Energetic balances, Thermodynamics
Name and type of educational institution / formation provider	University of Petrosani
National or international classification level	ISCED 6
Period	2002 – 2003
Qualification / Diploma obtained	Post University Professional Training Course: Didactic Staff Professional Formation , no. 6547/16.07.2003;

Main objects studied / professional skills acquired	Educational Psychology, Introduction in pedagogy, The Theory and Methodology of the curriculum, The theory and the methodology of training, The theory and methodology of evaluation, Didactics of the speciality		
Name and type of educational institution / formation provider	University of Petrosani		
National or international classification level	ISCED 6		
Period	2000-2002		
Qualification / Diploma obtained	M.s. Diploma, Series C, no. 0006124/9/03.10.2003		
Main objects studied / professional skills acquired	Advanced machines and installations , modern design principles and methods of machines and installations, Transducers and devices for physical measurements, Machines and installations driving systems and equipment, Waste and materials processing machines and installations, Unconventional materials and technologies.		
Name and type of educational institution / formation provider	University of Petrosani, Faculty of Machines and Electromechanical Installations		
National or international classification level	ISCED 6		
Period	March - June 1999		
Qualification / Diploma obtained	Scholarship through Erasmus Socrates program		
Main objects studied / professional skills acquired	Specialization in drafting the diploma project		
Name and type of educational institution / formation provider	Universidad Politecnica de Madrid (Spain)		
National or international classification level	ICED 5		
Period	October 1994 – June 1999		
Qualification / Diploma obtained	Electromechanical engineer / Bachelor Degree, valedictorian , Series R, no. 0116366/49/09.10.2000		
Main objects studied / professional skills acquired	Mechanical systems engineering, Electrical measurements, Hydro-pneumatic Machines and Installations, Thermal Machines and Installations, Computer graphics, Electrical machines, Electronics, Electro-technic, Electrical Installations, Mechanics, Mathematical Analysis, Differential Equations, Technical Informatics, Linear Algebra, Tools and Materials technology, Electromechanical convertors and operation, Electro-energetic.		
Name and type of educational institution / formation provider	University of Petrosani, Faculty of Machines and Electromechanical Installations		
National or international classification level	ICED 5		
Period	September 1990 – June 1994		
Qualification / Diploma obtained	Baccalaureate Diploma , Series I, no. 276262/16/28.07.1994		
Main objects studied / professional skills acquired	Algebra, Mathematical Analysis, Physics, Romanian, Informatics		
Name and type of educational institution / formation provider	Industrial High school of Vulcan, Speciality Mathematical - Physics		
National or international classification level	ISCED 3		

Self evaluation	Understanding	Speaking	Writing
<i>European Level (*)</i>	Listening Reading	Conversation Oral speech	Writing

English	C1 Advanced User	C1 Advanced User	C1 Advanced User	C1 Advanced User	B2 Independent User
French	A2 Elementary User	A2 Elementary User	A1 Elementary User	A1 Elementary User	A1 Elementary User

(*) *The Common European Framework Level for Foreign Languages*

Social skills	Adaptability skills, communication skills, dynamic, skills in training and coordination of work teams Sense of responsibility and belonging to the academic community
Organisational skills	Good organisational and time management skills acquired during the professional formation, organisational and speciality studies period, team spirit,
Technical skills	Synthetic and technical skills acquired from pure passion and increased during the professional activity in the field, development of Mathcad, MathLab program for industrial thermal installations
Computer skills	MathCad, MathLab, AutoCad, Excel, Word, Power Point, Visionr
Artistic skills	Creative
Research Activity	Scientific articles published in impact factor ISI Web of Science journals 13 Scientific articles published in proceeding ISI Web of Science 14 Scientific articles published in journals and volumes of scientific indexed BDI: 57 Scientific articles published in journals and volumes of scientific non indexed: 6 Teaching activity: Didactic and technical courses published as single author: 7
Scientific Activity	International research projects and contracts 2 of that 1 as director National research projects 38 from which 24 projects as director Responsible phase of 1 national grant Task manager, The European University for Responsible Consumption and Production (Eureca-Pro), UP, Grand agreement number 101004049/2020; value that belongs to the university 832 460,00 Eu., total value of the project 6 235 425,00 Eu. Project manager, "Rehabilitation and endowment of the University in Petrosani", SMIS code 122888, value of the project 3.100.000 Eu. Membership to 2 national grant
National and international recognition	"Best Paper" of INMAT '13 Conference: Recent Advances in Industrial and Manufacturing Technologies, "Calculation Method for the Energy Loss in the Pneumatic Mining Networks". Energy auditor, class B, 2007 – present The Medal of the Romanian National Council of the World Energy Council "For special merits to increase the prestige and affirmation in the country and abroad of CNR-CME, 2016 Reviewer of ISI Web of Science journals with calculated impact factor Chairman of International Conferences Citations in ISI Web of Science journals with relative influence score and impact factor and Scopus Member of AMERICAN-ROMANIAN ACADEMY OF ARTS and SCIENCES Member of the ACADEMY OF TRANSPORT SCIENCES AND ROADS from Ukraine Member of CNR-CME Member of the Thermotechnics Society of Romania Member of Balkan Environmental Association (BENA) Member of the General Association of Engineers in Romania, AGIR, Bucharest Founding member of the University Graduates' Association of Petrosani (ALUMNI), 2009
Driver's licence	Yes, B – Licence

Signature:

Petrosani,
29.12. 2020

