



Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Tiberiu Dinu, Danciu**
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E-mail tiberiu_danciu@yahoo.com
Nationality Romanian
Date of birth 24.10.1959
Gender Male

Desired employment / Occupational field

Work experience

Dates	2016 – present
Occupation or position held	Professor, Chemical and Biochemical Engineering Department
Main activities and responsibilities	<ul style="list-style-type: none">○ Giving lectures on: Thermal and Frigorific Equipments, Chemical Engineering Basics, Computers Utilization, Industrial Graphics, Computer Meta-languages, Unit Operations○ Conducting seminars, labs, year projects on: Chemical Engineering Basics, Unit Operations, Computers Utilization, Industrial Graphics, Computer Meta-languages, Thermal and Frigorific Equipments○ Conducting diplomas and dissertations○ Admission, diploma, and dissertation commissions○ Member in Ph.D. commissions○ Member in the Faculty Council○ Responsible with Faculty promotion among high-schools' teachers and students○ Member of organizing committee of RICCE
Name and address of employer	University Politehnica of Bucharest, 1 Polizu street, bldg. A, room 056, Sector 1, 011061 Bucharest, Tel +40214023916, Fax +40213185900
Type of business or sector	Didactic, research
Dates	2003 – 2016
Occupation or position held	Reader, Chemical Engineering Department

Main activities and responsibilities

- Giving lectures on: Technical Thermodynamics, Chemical Engineering Basics, Computers Utilization, Industrial Graphics, Databases, Computer Meta-languages, Unit Operations I (Heat Transfer), Transport Phenomena, Chemical Reactors (both English and Romanian)
- Conducting seminars, labs, year projects on: Chemical Engineering Basics, Unit Operations (in Romanian, English, and French), Technical Thermodynamics, Chemical Reactors (both English and Romanian), Computers Utilization, Industrial Graphics, Databases, Computer Meta-languages, Chemical Reactors Dynamics, Mechanical Basics, Strength of Materials and Chemical Equipment Calculus, Design and Mounting of Chemical Plants
- Conducting diplomas and dissertations (in Romanian, English, and French)
- Admission, diploma, and dissertation commissions
- Fundamental and contractual research (developing e-learning applications, glycerin revaluation)
- Postgraduate lectures in Chemical Engineering, petrochemical employees from Lybia

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Type of business or sector Didactic, research

Dates 1994 – 2000 and 2001 – 2003

Occupation or position held Lecturer, Chemical Engineering Department

Main activities and responsibilities

- Giving lectures on: see above, plus Programming Languages (both English and Romanian)
- Conducting seminars, labs, year projects on: see above, plus Cryogenics and Acclimatization Plants, Computer Driving of Chemical Processes, Numerical Methods in Chemical Engineering (both English and French), Optimization of Chemical Processes, Programming Languages (both English and French), and also – as associate at Titu Maiorescu University – Medical Informatics
- Conducting diplomas (in Romanian, English, and French)
- Admission, diploma, and dissertation commissions
- Fundamental and contractual research (thermo kinetic characterization of chemical oscillations, optimization of dynamic processes)

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Type of business or sector Didactic, research

Dates 2000 – 2001

Occupation or position held Invited researcher, post-doctoral stage

Main activities and responsibilities Hydrocarbons oxidation in supercritical CO₂

Name and address of employer Chem/Petroleum Department, University of Pittsburgh, PA 15260, Pennsylvania, USA

Type of business or sector Didactic, research

Education and training

Dates 1989 – 1997

Title of qualification awarded Ph.D. in Physical Chemistry, (thesis title: „Oscillating reactions in catalytic systems”, conductor Prof. dr. doc. eng. Rodica Vilcu), diploma nr. P 1909

Principal subjects/occupational skills covered Thermodynamics, Kinetics, Catalysis

Name and type of organisation providing education and training Physical Chemistry Department, University of Bucharest

Level in national or international classification 6

Dates 1979 – 1984

Title of qualification awarded Mechanical and Chemical Engineer, (diploma title: „Optimal control of chemical reactors”, conductor Prof. dr. eng. Grigore Bozga), diploma nr. B 7613

Principal subjects/occupational skills covered Chemical Engineering

Name and type of organisation providing education and training Faculty of Tools and Chemical Processes Engineering, University Politehnica of Bucharest

Level in national or international classification

6

Personal skills and competences

Mother tongue(s) Romanian

Other language(s)

Self-assessment

European level (*)

Language

Language

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Experienced	C2	Experienced	C2	Experienced	C1	Experienced	C2	Experienced
B2	Independent	C1	Experienced	C1	Experienced	B2	Independent	C1	Experienced

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences

Ability for team working and remarkable experience in multicultural societies, tested during scholarships abroad (France, 1994-1995, Spain, 1998, USA, 2000-2001) but also having the opportunity to teach for the Faculty of Engineering in Foreign Languages, since 1996

Organisational skills and competences

Good communication and coordination skills, proved in organizing various activities, such as: industrial practice for faculty students (last 8 years), member in both organizing and scientific boards of international scientific events, the most recent being ESCAPE 17 (17th European Symposium on Computer Aided Process Engineering, 27–30 May 2007, Bucharest), RICCCCE XVI (16th Romanian International Conference on Chemistry and Chemical Engineering, 9–12 September 2009, Sinaia, Romania), RICCCCE XVII (17th Romanian International Conference on Chemistry and Chemical Engineering, 7–10 September 2009, Sinaia, Romania)

Technical skills and competences

Mathematical modeling of processes like vapor – liquid equilibrium, hydrocarbon pyrolysis, adiabatic expansion, chemical oscillations, chemical reactors dynamics, multi-component distillation, direct and inverse thermodynamic cycles, heat exchangers, catalytic reactions, dimensioning of chemical equipments)
Numerical analysis (data fitting, variational calculus, optimal control)
Experiments (studies of catalytic activity, explosive domain of gaseous mixtures, metallic corrosion and decontamination, high pressure reactions, green chemistry)
Lab analysis techniques (colorimetry, refractometry, ebulliometry, calorimetry, microgravimetry, spectrophotometry, gas chromatography)
Results of scientific research – books, handbooks, papers in national and international journals, scientific reports, patents, communications, around 60

Computer skills and competences

PC Operating (Microsoft Windows & Office, AutoCAD, Adobe Acrobat, e-learning)
Programming (Pascal, C, Mathcad, MATLAB)
Process Simulation (ChemCAD, HYSIM, HYSYS, Aspen)

Driving licence B, since 2005

Additional information

Annexes

Selection of papers

1.03.2018

Tiberiu Dinu DANCIU