



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Bildea, Costin Sorin**
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Nationality Romania
Date of birth 14 July, 1963
Gender M

Occupational field **Education and Research / Chemical Engineering**

Work experience

Dates	2007 - present
Occupation or position held	Professor and Doctoral Supervisor (since 2013); Associate professor (2007 – 2013).
Main activities and responsibilities	Lectures, seminars, laboratories, projects for different courses in the field of Chemical Engineering. Supervising research activities of PhD students. Supervising MSc and Bachelor graduation thesis. Research in the field of Chemical Engineering and Process Control
Name and address of employer	University Politehnica of Bucharest, Faculty of Applied Chemistry and Materials Science Department of Chemical and Biochemical Engineering Str. Gh. Polizu 1-7, 011061, Bucharest, Romania
Type of business or sector	Education / Research
Dates	2017 - present
Occupation or position held	Visiting professor
Main activities and responsibilities	Teaching "Process Dynamics and Control.
Name and address of employer	Delft University of Technology Department of Chemical Engineering Delft, the Netherlands
Type of business or sector	Education
Dates	2015 - 2016
Occupation or position held	Visiting professor
Main activities and responsibilities	Teaching "Computational methods in chemical engineering" and "Process control" courses. Supervising Capstone projects
Name and address of employer	Nazarbayev University, School of Engineering Department of Chemical Engineering Kabanbay Batyr Ave., Astana, 010000, Republic of Kazakhstan
Type of business or sector	Education

Dates	2001 - 2007
Occupation or position held	Assistant professor
Main activities and responsibilities	Lectures, seminars, laboratories, projects for different courses in the field of Chemical Engineering. Supervising research activities of PhD students; Supervising MSc and Bachelor graduation thesis. Research in the field of Chemical Engineering and Process Control
Name and address of employer	Delft University of Technology Department of Chemical Engineering Julianalaan 136, 2628 BL Delft, The Netherlands
Type of business or sector	Education / Research
Dates	1997 - 2001
Occupation or position held	Researcher
Main activities and responsibilities	Supervising research activities of PhD students; Supervising MSc and Bachelor graduation thesis. Research in the field of Chemical Engineering and Process Control
Name and address of employer	University of Amsterdam Department of Chemical Engineering Nieuwe Achtergracht 166, 1018WV Amsterdam, The Netherlands
Type of business or sector	Education / Research
Dates	1993 - 1994
Name and address of employer	Tokyo Institute of Technology, Tokyo, Japonia
Occupation or position held	Researcher
Main activities and responsibilities	Research in the field of design and control of batch processe.
Type of business or sector	Education / Research
Dates	1988 - 1990
Occupation or position held	Engineer
Main activities and responsibilities	Supervision of technological process. Research of anti-glare screens
Name and address of employer	Cathode-Ray Tube Factory, Bucharest
Type of business or sector	Electrotechnics

Education and training

Dates	2013
Title of qualification awarded	Habilitation in the field of Chemical Engineering
Principal subjects/occupational skills covered	Habilitation thesis: " Integrated Design and Control of Chemical Processes "
Name and type of organisation providing education and training	University of Politehnica of Bucharest, Bucharest, Romania
Dates	1997 - 2001
Title of qualification awarded	PhD in Chemical Engineering
Principal subjects/occupational skills covered	PhD thesis: "Integration of Design and Control by Nonlinear Analysis"
Name and type of organisation providing education and training	University of Amsterdam, Amsterdam, The Netherlands
Dates	1990 - 1997
Title of qualification awarded	Engineer
Name and type of organisation providing education and training	University Politehnica of Bucharest, Faculty of Automatics and Computers, Bucharest, Romania

Dates 1983 - 1988
 Title of qualification awarded Engineer
 Name and type of organisation providing education and training University Politehnica of Bucharest, Faculty of Industrial Chemistry, Bucharest, Romania

Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s)

Self-assessment
 European level (*)

English

Dutch

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Upper advanced	C1	Upper advanced	C1	Upper advanced	C1	Upper advanced	C1	Upper advanced
	Fair		Good		Fair		Fair		Fair
	Fair		Good		Fair		Fair		Fair

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

Computer skills and competences

Process simulation: AspenPlus, AspenDynamics, Hysys, gProms
 Programming: FORTRAN, Pascal, C, C++
 Scientific applications: Matlab, gProms
 Office applications: Word, Excel, PowerPoint

Research projects
 (as Director)

2014 – 2016: *Innovative Processes for Encapsulation of Aluminum Pigments in Polymer Matrices*, PN-II-PT-PCCA-2013-4, Joint Applied Research Project CTTIP-Alba Aluminii Ltd., (budget: 250,000 Euro)
 2010 – 2014: *New Mesoporous Aluminosilicate Materials for Controlled Release of Biologically-Active Substances*, EU Sectorial Operational Program "Increase of Economic Competitiveness", POSCCE-A2-O2.1.2-2009-2. (budget: 1,300,000 Euro)
 2008 - 2011: *A Nonlinear Approach To Conceptual Design And Safe Operation Of Chemical Processes*, Project 1543 – PNII - Ideas 2008 (budget: 200,000 Euro).
 2012 – 2013: *Modeling and Design of Cyclic Distillation Systems*, Contract 261 / 30.04.2012, CTTIP – AkzoNobel, The Netherlands.
 2010: *Design of Separation Systems Using Residue Curve Maps*, Contract 784 / 26.05.2010, CTTIP– AkzoNobel, The Netherlands.
 2009: *Controllability of Dividing Wall Column*, Contract 1085 / 26.05.2009 CTTIP – AkzoNobel, The Netherlands.
 2006 – 2007 *Constructive Nonlinear Approach to Design and Control of Distributed-Parameter Systems*, Delft Center for Sustainable Industrial Processes, (budget: 50,000 Euro).

Additional information

"Nicolae Teclu" prize of the Romanian Academy (2009), for the set of publications "Design, control and automation in industrial process engineering"
 134 ISI publications, Hirsch index 19
 Associate editor of The Scientific World Journal (Hindawi Publishing Corporation) and Chemical Product and Process Modelling (De Gruyter)
 Researcher profile <https://www.researcherid.com/rid/B-3075-2010>
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