europass	Curriculum Vitae	Ion Necoara
PERSONAL INFORMATION	Ion Necoară	
	 ion.necoara@upb.ro www.acse.pub.ro/person/ion-necoara Sex: M Date of birth: Nationality: Romanian 	
POSITION	Professor	
WORK EXPERIENCE		
	 Assistant Professor, Associate Professor, Professor Politehnica Bucharest, Faculty of Automatic Control and Computers Teaching and research activities Head of <i>Optimization, Learning and Control Group</i> Senior Researcher Institute of Applied Mathematics Romanian Academy 	
EDUCATION		
April 2007 – March 2009	Postdoc (Research Assistant): <i>Numerical optimization for large-scale problems</i> KU Leuven, Belgium.	
November 2002 – October 2006	Doctoral studies in <i>Applied Mathematics</i> Technical University Delft, The Netherlands	
October 2000 - July 2002	Master in Statistics and Optimization University of Bucharest – Faculty of Mathematics and Computer Science	
October 1996- July 2000	 BA Mathematics University of Bucharest – Faculty of Mathematics and Computer Science Mathematics Systems theory Numerical methods and optimization Probabilities and statistics 	
PERSONAL SKILLS	 Director for several national and international research projects (H2020, FI UEFISCDI – TE and PCE) 	₽7,
Organisational/managerial skills	• Head of <i>Optimization, Learning and Control Group</i> composed of 6 facuard several equipments for research.	lty members
Competences	Supervising several bachelor and master students and 7 phd students (Dr. A. Patrascu assist. professor at Univ. Bucharest; Dr. V. Nedelcu manager at Assystem Romania; Dr. D. Lupu assistant researcher at UPB; Dr. L. Ghinea; Drd. Y. Nabou; Drd. F. Chorobura; Drd. N. Kumar).	
RECOGNITION	 Romanian representative at <i>European Control Association</i> (EUCA) si National Order <i>Faithful Service For Merit</i> from Romanian Presidency, <i>Eulbright</i> Visiting Professor fellowship at LINC (LISA), 2017 	
Awards	 Fulbright Visiting Professor fellowship at UNC (USA), 2017. Excellence in Research Award, in Engineering Sciences, Ad Astra, 2 Grigore Moisil Award, in Information Technology, Romanian Academ Best Paper Award in Journal of Global Optimization 2015 (ISI-Q1). 	
COMPETENTE P		
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ADDITONAL INFORMATION	
Publications	 Author of more than 180 research papers (140 ISI papers out of which 60 ISI journal articles Q1 and Q2 with cumulative impact factor larger than 150). Available at: <u>www.acse.pub.ro/person/ion-necoara</u>
	• About 3200 citations in GS and Hindex 29; 1300 citations in WoS and Hindex 20.
Visiting professor	University of North Carolina Chapel Hill, Universite Catholique de Louvain, NTNU, MIT, Cornell University, University Edinburgh, University Vienna, Linkoping University, etc
Projects	Director of 8 research grants: H2020 – ITN, NO Grants, FP7 – ICT, UEFISCDI – PCE, UEFISCDI - TE
FIELDS OF INTEREST	 Theory and methods for Convex – Stochastic - Big Data Optimization.
	 Developing optimization algorithms with a focus on structure exploiting.
	 Mathematical guarantees about performance of numerical optimization algorithms.
Current research topics	 Applying optimization techniques for developing new advanced controller design algorithms for complex systems (Embedded and Distributed Control/Model Predictive Control).
	 Practical applications include: Big Data Models, Mining and Data Analytics (smart electricity grids, traffic networks, weather forecasts, distributed control, compressive sensing, image/signal processing, machine learning), Embedded Control, Control of Robots, Automotive Industry.
	Prof. Dr. Ion Necoara
	Automatic Control and Systems Engineering Department
	Politehnica Bucharest Spl. Independentei, 313,
	Bucharest, Romania