

Europass Curriculum Vitae



Personal information

First name / Surname

Ioan - Catalin Damian

Address

67A, prof. Ion Maiorescu, 021244, Bucharest, Romania

Telephone

+40746022754

E-mail

ionut.damian@ymail.com

Nationality

Romanian

Date of birth

28.03.1991

Gender

Male

Occupational field

Electrical Engineering and Networks

Dates

January 2015 - Present

Title of qualification awarded

Organization Member

Name and type of organisation providing education and training

SIER Bucharest (Member of EUREL) – Society for Power Engineers

Dates

October 2017 – present

Title of qualification awarded

Assistant Professor

Name and type of organisation providing education and training

University Politehnica of Bucharest

Dates

October 2016 – November 2020

Title of qualification awarded

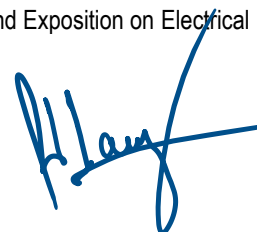
PhD Student

Name and type of organisation providing education and training

University Politehnica of Bucharest

Notable achievements

- Participation in *Professional Workshop on High-Quality, Sustainable, Resilient Power Grid for Green and Smart Living*, XJTU–PolyU Silk Road International School of Engineering, China, September 2020;
- Participation in *Electric Energy Systems – University Enterprise Training Partnership HVDC Training*, KU Leuven, Belgium, June 2018;
- Participation in the European Union Horizon 2020 project *Storage4Grid*, as a research assistant;
- Participation in the European Union Horizon 2020 project *WEDISTRICKT*, as a research assistant;
- Submission of numerous papers for international conferences and journals:
 - **I. C. Damian** and M. Eremia, "HVDC Link Detailed Model and Control Design," in *University Politehnica of Bucharest Scientific Bulletin, Series C, Electrical Engineering and Computer Science*, Vol 82, Nr. 4, Bucharest, November 2020.
 - **I. C. Damian**, M. Eremia and L. Toma, "Modelling and Control of a Novel East-European Multiterminal High Voltage DC Network," in *4th International Conference on Power and Energy Engineering (ICPEE)*, Xiamen, November 2020.
 - **I. C. Damian**, M. Eremia and A. Ianțoc, "A Novel Multiterminal High Voltage DC Network in the Black Sea Region," in *International Symposium on Fundamentals of Electrical Engineering*, Bucharest, November 2020.
 - **I. C. Damian**, M. Eremia and A. Ianțoc, "Detailed Modelling and Control of a Multiterminal High Voltage DC Network," in *11th International Conference and Exposition on Electrical and Power Engineering (EPE)*, Iași, October 2020.



- B. Pușcaș and **I. C. Damian**, "Cyber Security in Smart Grid – Fundamentals and Experimental Applications," in CIGRE Regional South-East European Conference (RSEEC), Bucharest, October 2020.
- **I. C. Damian**, M. Eremia and L. Toma, "Detailed Modelling and Control of a Modular Multilevel Converter with Full-Bridge Submodules in a Multi-Terminal High Voltage DC Network," in 55th International Universities Power Engineering Conference, Torino, September 2020.
- **I. C. Damian**, M. Eremia and M. Sânduleac, "Fault Analysis of a High Voltage Direct Current Link Using Detailed Equivalent Models for Modular Multilevel Converters," in 8th International Conference on Modern Power Systems (MPS), Cluj, May 2019.
- **I. C. Damian**, M. Eremia and M. Sânduleac, "A Cost Effective Boost Converter for a Hybrid Low- Voltage Neighbourhood Network," in International Conference and Exposition on Electrical and Power Engineering (EPE), Iași, October 2018.
- **I. C. Damian**, M. Eremia and L. Toma, "Advanced Control of a Modular Multilevel High Voltage Direct Current Converter," in International Conference on Energy and Environment (CIEM), Bucharest, October 2017.
- **I. C. Damian**, "A Comprehensive Approach to the Modelling and Control of a High Voltage Direct Current Modular Multilevel Converter," in 10th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucharest, March 2017.

Dates	June 2014 – April 2015
Title of qualification awarded	Power Engineer – Renewable Systems Automation and Control
Name and type of organisation providing education and training	Enevo Group
Notable achievements	Implementation of a SCADA system for a 5MW photovoltaic project, using Phoenix Contact PLC: communication and control of inverters, relays and specialized sensors;
Dates	2014 – 2016
Title of qualification awarded	Graduate Student (Master of Science)
Name and type of organisation providing education and training	Faculty of Power Engineering, Politehnica University Bucharest
Diplomas	Master of Science in Power Engineering (the Master Thesis has been written at Munich Technical University)
Dates	April – September 2016
Title of qualification awarded	Erasmus Research Participant
Name and type of organisation providing education and training	Munich Technical University
Dates	2010 – 2014
Title of qualification awarded	Graduate Student (Engineer)
Name and type of organisation providing education and training	Faculty of Power Engineering, "Politehnica" University Bucharest
Diplomas	Student Head of Year 2014 (Power Engineering Faculty – Industrial Control) Bachelor Thesis: "Electrical Substation Monitoring and Control" (grade 10) First prize for the project "Designing and engineering of a micro-hydro power plant" Second prize for the project "Modelling and simulation of a hybrid power system" First prize for the Professional Contest of Material Strength Third prize for the Professional Contest of Fluid Mechanics Second prize for the project "Air vortex" Second prize for the project "Usage of the water vortex for generating electricity" Laser Scanning Technology applications for Surveying &GIS at Universities in BRASOV and IASI

Dates	June – September 2013																				
Title of qualification awarded	Erasmus Placement Participant																				
Name and type of organisation providing education and training	Richard Bergner Elektroarmaturen (RIBE) GmbH, Schwabach, Germany																				
Dates	July 2011																				
Title of qualification awarded	High Definition Surveying HDS – Laser Scanning Advanced Hardware and Software Workshop Graduate																				
Name and type of organisation providing education and training	Leica Geosystems A.G, member of Hexagon;																				
Dates	2006-2010																				
Title of qualification awarded	Graduate Student																				
Name and type of organisation providing education and training	“Iulia Hasdeu” National College																				
Diplomas	Graduation Diploma with a score of 9,65 Computer skills diploma with a score of 10/10 Third prize for the German Foreign Language National Olympics Participation at the Human Rights International Competition																				
Mother tongue	Romanian																				
Other language	English and German																				
Certification																					
European level (*)																					
English																					
German																					
	<table border="1"> <thead> <tr> <th colspan="2">Understanding</th> <th colspan="2">Speaking</th> <th>Writing</th> </tr> <tr> <th>Listening</th> <th>Reading</th> <th>Spoken interaction</th> <th>Spoken production</th> <th></th> </tr> </thead> <tbody> <tr> <td>C1</td> <td>C1</td> <td>C1</td> <td>C1</td> <td>C1</td> </tr> <tr> <td>B1</td> <td>B1</td> <td>B1</td> <td>B1</td> <td>B1</td> </tr> </tbody> </table>	Understanding		Speaking		Writing	Listening	Reading	Spoken interaction	Spoken production		C1	C1	C1	C1	C1	B1	B1	B1	B1	B1
Understanding		Speaking		Writing																	
Listening	Reading	Spoken interaction	Spoken production																		
C1	C1	C1	C1	C1																	
B1	B1	B1	B1	B1																	
	(*) Common European Framework of Reference for Languages																				
Social skills and competences	I am a friendly and communicative person, having participated in a series of student exchange programs, team buildings.																				
Organisational skills and competences	I can enhance team collaboration. Moreover, I have the ability to steer every team member toward finding solutions.																				
Computer skills and competences	C++ and C# programming skills, excellent Matlab-Simulink and Microsoft Office skills, medium Blender and AutoCAD and LabView skills. Automation and control software and technologies: PC Worx (Phoenix Contact), Simatic Manager (Siemens).																				
Artistic skills and competences	I enjoy playing the piano (I graduated music school in 2008).																				
Other skills and competences	I can easily adapt to any situation, due to previous experience abroad. In addition, I enjoy swimming and skiing.																				
Driving licence	I have a B driver's license, since 2011.																				