

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Olivia Ramona (Miron) Bruj**

Nationality Romanian

Date of birth 01.04.1985

E-mail olivia.bruj@itim-cj.ro

Phone no +40264584037 (int. 234)

Adress Donath Street, no.67-103, 400293, Cluj-Napoca, Romania

Work experience

<p>Dates</p> <p>Occupation or position held</p> <p>Name and address of employer</p> <p>Principal subjects/occupational skills covered</p>	<p>March 2019 -present</p> <p>Technological development engineer III</p> <p>INCDTIM, str. Donat, nr.67-103, 400293, Cluj-Napoca, Romania</p> <p>Testing and optimization of Li-Ion accumulators performances</p>
<p>Dates</p> <p>Occupation or position held</p> <p>Name and address of employer</p> <p>Principal subjects/occupational skills covered</p>	<p>June 2018-March 2019</p> <p>Technological development engineer</p> <p>INCDTIM, str. Donat, nr.67-103, 400293, Cluj-Napoca, Romania</p> <p>Lead-acid accumulators testing and Electrochemical Impedance Spectroscopy measurements.</p>
<p>Dates</p> <p>Occupation or position held</p> <p>Name and address of employer</p> <p>Qualifications achieved</p> <p>Principal subjects/occupational skills covered</p>	<p>July 2013 – May 2018</p> <p>Electrical & Instrumentation Engineer</p> <p>Emerson, Emerson str., no.4, 400641, Cluj-Napoca, Romania</p> <p>Course 7009 PCSD DeltaV Implementation, Course 7018 DeltaV Hardware & Troubleshooting</p> <p>Course Autocad Eelctrical</p> <p>Designing automation systems for low voltage, small and medium projects in oil, chemical and food industries.</p> <p>Coordonating Factory Acceptance Tests and Site Acceptance Tests.</p> <p>Support in architecture diagrams and network interfaces development</p>
<p>Dates</p> <p>Occupation or position held</p> <p>Name and address of employer</p> <p>Principal subjects/occupational skills covered</p> <p>Main activities and responsibilities</p>	<p>October 2009 - February 2013</p> <p>PhD Student</p> <p>Technical University of Cluj-Napoca,. Baritiu str, no. 26-28, 400020, Cluj-Napoca, Romania</p> <p>I studied electromagnetic compatibility of thin films deposited within a magnetron sputtering chamber.</p> <p>I developed numerical optimization methods and I measured shielding effectiveness of thin films.</p> <p>I have teached Numerical Methods Laboratories</p>

Education and training

Dates	2009-2012
Title of qualification awarded	PhD in Electrical Engineering- <i>Contributions regarding the study of a magnetron sputtering device and the analysis of thin films shielding effectiveness,</i>
Principal subjects/occupational skills covered	Electromagnetic compatibility, T Thin films deposition within a magnetron sputtering device, Thin films shielding effectiveness measurements in a coaxial TEM Cell, Numerical optimization methods in Mathcad and Ma
Name and type of organisation providing education and training	Technical University of Cluj-Napoca, Baritiu str., no. 26-28, 400020, Cluj-Napoca, Romania
Dates	2009-2010
Title of qualification awarded	Master Degree - <i>The analysis of the magnetic source in a magnetron sputtering device</i>
Principal subjects/occupational skills	Computer Aided Design in Electrical Engineering
Name and type of organisation providing education and training	Technical University of Cluj-Napoca, Baritiu str., no. 26-28, 400020, Cluj-Napoca, Romania
Dates	2004-2009,
Title of qualification awarded	Bachelor of science in Electrical Engineering
Principal subjects/occupational skills	Electromagnetic field, Electrical devices and machines, Automated systems and numerical methods in electrotechnics
Name and type of organisation providing education and training	Technical University of Cluj-Napoca, Baritiu str., no. 26-28, 400020, Cluj-Napoca, Romania

Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s)

Self-assessment

European level (*)

English

Italian

German

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user
A2	Elementary User	A2	Elementary User	A2	Elementary User	A2	Elementary User	A2	Elementary User

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

Teaching Numerical Methods Laboratories

Research stages
2010/2011/2012- University of Padova, Italy;
2011- South Westphalia University of Applied Sciences, Soest, Germany;
2012- Brunel University, London, England.

Publications 13 scientific papers published in international and national journals.

Patents
1. C. Cantemir., **O. Bruj**. "Electric Machine, Tuned Winding Geometry and Technology, United States Patent Application 20200119610, 04/16/2020.
2. V. Surducan, E. Surducan, **O. Bruj**, G. Mihăilescu "Device for accumulators charging, measure and balancing by sequential commutation", Patent pending A00363, 2019.

Organisational skills and competences	Coordination of more than ten projects in low voltage electrical installations in oil, chemical and food industry.
Computer skills and competences	Good skills in Mathcad, Autocad/Autocad Electrical, Matlab, EC-Lab, Labview, Comsol, Pspice, Ansoft Maxwell, Office computer programs.
Driving licence	Category B vehicle.