


## PERSONAL INFORMATION

**Liviu Badea**

 Liviu Rebreanu Street, Sector 3, Bucharest

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 lbadea@imnr.ro

PROFESSIONAL  
EXPERIENCE

July 2018 –Present

Scientific research assistant  
National Research and Development Institute for Non-ferrous and Rare Metals (INCDMNR-  
IMNR).

Address: B-dul Biruinței 102, PANTELIMON, jud ILFOV, 077145, ROMANIA

Fundamental research - shaping physical phenomena

Participation as a member of the work teams for national research projects.

October 2008 –  
April 2009

Engineer  
SC Alu Design SRL  
Involved in the making of the drawings.

Civil and Industrial Construction

April 2009 –  
September 2009

Engineer  
SC Princer SA  
Involved in the making of the drawings.

Civil Construction

EDUCATION AND  
FORMATION

October 2019 – present

Phd student  
University of Bucharest, Faculty of Physics.

October 2019 – June 2019

Master  
University of Bucharest, Faculty of Physics, Materials Physics.  
The theme of the diploma paper was Study looking metal distribution in CNTs  
and graphene-based membranes for purification of waste waters.

October 2017- June 2019

Bachelor of Physics  
University of Bucharest, Faculty of Physics, Specialization in Technological Physics.

October 2014- August 2015

Research practice at the Center for Technological Engineering and Nuclear Objectives;  
Research practice at the National Institute of Laser, Plasma and Radiation Physics.

October 2015- 2017 June

Research and elaboration of the diploma **paper**.

The theme of the diploma paper was the study of the surface by the method:  
Photoelectronic X-ray spectroscopy on structure type HfO<sub>2</sub>/SiGe/HfO<sub>2</sub>/Si.

October 2003 – June 2008

Licensed in Industrial and Agricultural Civil Construction  
Technical University of Construction Bucharest, Faculty of Civil Construction.

*Digital Competence Known  
Programs :*

*Knowledge of using Microsoft Office application packages (Word, Excel), Comsol  
Orgin, Wolfram Mathematica, Matlab, Castep.*

*Conferences:*

*International Conference "Emerging Technologies in Emerging Materials Engineering.  
Improved thermal properties of sodium nitrate-ZnO microcapsules BY addition of  
expanded graphite*