

## PERSONAL INFORMATION

## Rozalia Melania Boitor

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## WORK EXPERIENCE

02/2017–Present

**Assistant professor, PhD**

Department of Railways, Roads and Bridges, Faculty of Civil Engineering, Technical University of Cluj-Napoca

**Teaching** courses, seminars and laboratories

Course topics: Urban mobility and urban form, Road traffic & safety

Seminars and laboratories: Road traffic & safety, Urban mobility and urban form, Road maintenance and rehabilitation, Traffic engineering, Urban management, Parking

**Research** - detailed in the Research section and in the List of publications

04/2016–Present

**NGO President**

MOS NGO (Asociatia MOS - Mobilitate Sustenabila)

In charge of the establishment and organization of the association, the development of the programs and fund raising for the activities in the complementary educational programs

05/2015–02/2017

**Teaching Assistant, Eng. PhD**

Department of Railways, Roads and Bridges, Faculty of Civil Engineering, Technical University of Cluj-Napoca

- teaching courses - topics: Urban mobility and urban form, Road traffic & safety

- teaching seminars and laboratories - topics: Road traffic & safety, Urban mobility and urban form, Road maintenance and rehabilitation, Traffic engineering, Urban management, Parking

2010–Present

**Research****Professional affiliation**

Transport Systems Research Group, Technical University of Cluj-Napoca

CODATU (Cooperation for urban mobility in the developing world), member 2014

A.P.D.P. (Asociatia Profesionala de Drumuri si Poduri /Professional Association of Roads and Bridges), member 2011-2015

GCDST (Transport Systems Research Group), UTCN, founding member, 2010

**Projects**

Traffic study in Moldovenesti locality, Technical University of Cluj-Napoca, 2016, member

Traffic census on Bistrita-Nasaud county roads - Head of the census team, Technical University of Cluj-Napoca, 2015, member

Project proposal SMILEE – Smart Metropolitan Innovation Lab in Eastern Europe, Call ERA-NET Cofund Smart Urban Futures, 2015, member in the Technical University of Cluj-Napoca team - project coordinator

THE ISSUE - Traffic Health Environment Intelligent Solutions for Sustaining Urban Economies - member in the Technical University of Cluj-Napoca team, Associate Partner of the North-West Development Agency (2 project proposals in Horizon 2020 calls) 2014

**Publications**

PhD Thesis

Alternative strategies for the urban mobility assessment in the municipality of Cluj-Napoca

Books

"Topography. Laboratory papers", Roib V., Opritoiu P., **Boitor R.M.**

"Road maintenance and rehabilitation. Laboratory works", Cadar RD, **Boitor RM**

Peer reviewed and invited papers - 11 papers  
Others - 12 papers in national and international conferences, 1 article in professional journal The roads and bridges magazine  
Presentations and posters - 4 Paper presentations at International Conferences and 4 at National Conferences, 4 Poster presentations, 1 Pitch presentation  
Chairman at a Section of the 6th European Conference of Civil Engineering (ECCIE '15), Budapesta, 12-14 Decembrie 2015, WSEAS

**Awards and prizes**

1st Place at the CODATU XVI Conference Poster Sesion, Istanbul, February 2-5 2015, *URBAN MOBILITY AND AIR QUALITY IN CLUJ-NAPOCA*

**02/2009–Present Department and Faculty Service**

Faculty of Civil Engineering, Technical University of Cluj-Napoca

Study program accreditation - Urban Engineering and Regional Development Specialization, Faculty of Civil Engineering 2015

Program study presentations Urban engineering and regional development specialization during the Transylvania High schools tour 2015-present

Program study presentations for the Faculty of Civil Engineering Urban engineering and regional development specialization 2015

Erasmus and Erasmus+ Staff mobility for teaching - host 2014 - present Secretary of the Final Examination Committee, Undergraduate Program - Urban Engineering and Regional Development 2014 - present

Urban engineering and regional development specialization - students orientation responsible 2012 - present

Admission Committee of the Faculty of Civil Engineering 2012 - present Secretary of the Final Examination Committee, Master - Transport Infrastructure Engineering 2011 Study program assessment - Railways, Roads and Bridges Specialization, Faculty of Civil Engineering 2011

**02/2009–Present Mentoring**

Faculty of Civil Engineering, Technical University of Cluj-Napoca

Undergraduate thesis:

Vlad Roxana 2013-2014; Hojda Crina Ioana 2014-2015; Rus Alexandra Gabriela, Tripon Maria Vasilica 2015-2016; Chifor Amalia, Lado Reka 2016-2017

Master thesis:

Hojda Crina Ioana 2015-2017; Berendi Paul, Campan Mircea, Sabadis Vlad, Zaha Andrara 2016-present

Erasmus+ Research Project: Lopes Diana 2016-2017

Mentoring member of the Student Research Group "Knowledge Jump" - guidance for several scientific papers presented at National Conferences for Student

**2012** - 1. Man Florin Gigel, 2. Balea Alexandra, Oros Lavinia, 3. Hereşanu Iulia, Lucaciu Florin, Mihaiu Maria-Antoaneta, 4. Socaciu Mircea, Szabo Tamas, Ştirb Bogdan, 5. Barta Maria, Buciu Cătălin, Deac Marina

**2013** - Stratulat Dumitru, **2014** - Stratulat Dumitru, Szekely-Sitea Catalin, Sabadis Vlad, **2015** - 1. Mocean Mircea, Tripon Maria, Osan Nicu, 2. Hojda Crina Ioana, Pop Camelia Alina, 3. Beko Eniko, Fulop Annamaria; **2016** - 1. Georgiu Gheorghe, Timiser Alin, 2. Hojda Crina Ioana, Moldovan Paul, 3. Jimborean Anda, 4. Rahovan Ioan, 5. Terhesiu Cristina, Prunian Angela

**02/2009–04/2015 Junior Teaching Assistant**

Technical University of Cluj-Napoca, Faculty of Civil Engineering  
25, G. Bariţiu Street, 400027 Cluj Napoca

Teaching activity - seminars and laboratories - topics: Topography, Urban management, Ways of communication (Transportation), Parking, Road maintenance and rehabilitation, Traffic engineering, Technical Drawing & Infographics, Urban management, Urban mobility and urban form  
- organizing practical and technical stages

Research activity - doctoral programme

07/2008–02/2009 **Civil engineer**  
S.C. Artifex Engineering S.R.L., Cluj-Napoca  
Design of concrete and metal structures, and Project evaluation.

## EDUCATION AND TRAINING

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- 09/2016 **Erasmus+ Certificate - Staff Mobility for Training**  
Tallinn University of Technology  
Experience exchange in TUT regarding the subjects of teaching, research, and administration under the supervision of Prof. Dago ANTOV
- 08/2016 **TUT Logistics Summerschool**  
Department of Logistics, Tallinn University of Technology  
Knowledge regarding the use of data in Logistics and Transportation
- 06/2016 **Certificate of Trainer**  
Total Real Profess  
Knowledge regarding the process and techniques of teaching adults
- 07/2015 **PTV Vision Training Course "Intorduction to Macroscopic Network Modelling with Visum"**  
PTV Group, Polytechnic University of Timisoara
- 07/2015 **PTV Vision Training Course "Introduction to Microscopic Traffic Flow Simulation with Vissim"**  
PTV Group, Polytechnic University of Timisoara
- 11/2014 **Certificate of participation in Clusters' Management Mentoring Session**  
North-West Regional Development Agency, Aerospace Vally and THE ISSUE  
General information about the clusters and their certification on different levels
- 03/2014 **Project Manager Certificate**  
Smart Projects Association  
General and specific details about projects and their management  
Skills developed in the management of a public transport development project
- 06/2013 **Summer school on Transport planning, Transport modes and Impacts of Transport in Theory and Practice**  
Tallinn University of Technology  
Knowledge in the field of transport planning and related areas
- 06/2012–09/2013 **Certificate of continuing education for the "Development of the academic career"**  
Technical University of Cluj-Napoca

Detailed information about the university organisation and the main documents related to the teaching career  
 Skills developed in the modern methods of teaching

- 10/2012–06/2013 **Phd Visiting Stage - Joint doctoral research**  
 Tallinn University of Technology, Tallinn (Estonia)  
 Practical stage of the thesis - conducting the urban mobility study for the city of Cluj-Napoca using the travel-related zones, online travel survey and GIS representation of the results by means of MapInfo Tab.
- 10/2011–11/2014 **PhD**  
 Technical University of Cluj-Napoca (Joint doctoral research - Tallinn University of Technology)  
 Research topic: sustainable urban mobility. Title of thesis: "Alternative strategies for the urban mobility improvement in the municipality of Cluj-Napoca"
- 2009–2011 **Civil Engineer**  
 Technical University of Cluj-Napoca, Faculty of Civil Engineering, Specialization "Railways, Roads and Bridges"
- 2008–2009 **Postgraduate diploma in "Rehabilitation of civil constructions"**  
 Technical University of Cluj-Napoca, Faculty of Civil Engineering  
 Structural and hygrothermal rehabilitation of civil constructions
- 2005–2008 **Certificate of Pedagogic Module**  
 Technical University of Cluj-Napoca
- 2003–2008 **Civil Engineer**  
 Technical University of Cluj-Napoca, Faculty of Civil Engineering, Specialization "Construction Economics"

**PERSONAL SKILLS**

Mother tongue(s) Romanian

Other language(s)

|         | UNDERSTANDING |         | SPEAKING           |                   | WRITING |
|---------|---------------|---------|--------------------|-------------------|---------|
|         | Listening     | Reading | Spoken interaction | Spoken production |         |
| English | C1            | C1      | B2                 | B2                | B2      |
| French  | B1            | B2      | A2                 | B1                | A2      |
| Italian | B1            | A2      | A2                 | A2                | A2      |

English Certificate 2016 Technical University of Cluj-Napoca, English Certificate 2008 TUCN, English Certificate 2004 Gheorghe Sincai High School Baia Mare

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
 Common European Framework of Reference for Languages

**Communication skills**

good communication skills - in research and professional consortia and in the relationship with students as an orientation responsible  
 cross-cultural adaptability - visiting doctoral stage and joint doctoral research Tallinn University of Technology, member of THE ISSUE project, ERasmus and Erasmus+ hostteamwork - within the Transport system Research Group, in multiple groups of authors for research papers, international

consortia for Horizon 2020 projects proposal preparation public speaking - multiple paper, posters and pitch presentations

**Organisational / managerial skills**

coordination skills - head of traffic censor team, mentor in the student scientific group "Knowledge Jump" and undergraduate diploma works, MOS NGO President  
events hosting - Erasmus + visiting staff, MOS NGO President  
problem solving and decision making - mentoring, MOS NGO President  
adaptability to unexpected situations and working under pressure - civil engineer  
responsibility - participation in the process of reassessing and accreditation of Civil Engineering Study Programs  
teamwork and flexibility - founding member of the Transport Systems Research Group and of the Student Research Group "Knowledge Jump", research consortia persevering - developing research projects proposals and the personal and professional development

**Job-related skills**

traffic and urban mobility studies, analysis and modeling,  
maps and GIS analysis  
travel surveys and statistical analyzes  
topographic measurements public speaking mentoring event planning- visits teachers in Erasmus+, courses and workshops at the MOS NGO

**Digital competence**

softwares in the field of civil engineering design - CAD, SAP, Calderom, Civil 3D softwares in the field of urban planning - MapInfo Tab, qGIS, ArcMap,  
road traffic softwares - VISSIM, VISSUM, data collection softwares - online surveys, data analysis and presentation - MsOffice, R

**Other skills**

volunteer of the city of Cluj-Napoca 2013-2014, Little People Association 2014, Cluj-Napoca bike sharing 2015, Parking+Plus - team coordinator 2015, OSM 2014-2015, CTP new ticketing system testing 2015  
travelling, dance, Ikebana, board games, walking and jogging

**Driving licence**

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