



## Roxana Rusu-Both

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**Place of birth:** Romania | **Nationality:** Romanian | **Phone:** (+40) 264401821 (Work) |

**Email address:** [roxana.both@aut.utcluj.ro](mailto:roxana.both@aut.utcluj.ro) | **Address:** Memorandumului 28, 400114, Cluj-Napoca, Romania (Work)

### ● WORK EXPERIENCE

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01/11/2020 - CURRENT - CLUJ-NAPOCA, ROMANIA

#### **CO-FOUNDER AND CONSULTANT AIMED SOFT SOLUTIONS**

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Consultant in management, fundraising, and research offering expert guidance in developing strategic plans, securing capital from investors, and conducting market research to identify opportunities and challenges. Services typically include creating fundraising strategies, identifying and engaging potential investors, performing market analysis, and providing strategic planning support for management.

Management & Research Activities

- **Strategic Planning:**
- **Market Research:**
- **Stakeholder Analysis:**
- **Business Analysis:**

Fundraising Activities

- **Strategy Development:**
- **Investor Identification:**
- **Proposal & Pitch Development:**
- **Investor Relations:**

01/10/2018 - CURRENT - CLUJ-NAPOCA, ROMANIA

#### **ASSOCIATE PROFESSOR** TECHNICAL UNIVERSITY OF CLUJ-NAPOCA

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Research and teaching activities

01/10/2012 - 01/10/2018 - CLUJ-NAPOCA, ROMANIA

#### **LECTURER** TECHNICAL UNIVERSITY OF CLUJ-NAPOCA

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Research and teaching activities

01/10/2011 - 01/10/2012 - CLUJ-NAPOCA, ROMANIA

#### **TEACHING ASSISTANT** TECHNICAL UNIVERSITY OF CLUJ-NAPOCA

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Research and teaching activities

### ● EDUCATION & TRAINING

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01/10/2008 - 01/10/2011 - CLUJ-NAPOCA, ROMANIA

#### **PHD IN SYSTEM ENGINEERING-** TECHNICAL UNIVERSITY OF CLUJ-NAPOCA

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**Level in EQF:** 8

01/10/2008 - 01/10/2010 - CLUJ-NAPOCA, ROMANIA

## MASTER DEGREE IN ADVANCED PROCESS CONTROL- TECHNICAL UNIVERSITY OF CLUJ-NAPOCA

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Level in EQF: 7

01/10/2003 - 01/07/2008 - CLUJ-NAPOCA, ROMANIA

## BACHELOR DEGREE SYSTEM ENGINEERING- TECHNICAL UNIVERSITY OF CLUJ-NAPOCA

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Level in EQF: 6

### ● LANGUAGE SKILLS

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Mother tongue(s): **ROMANIAN**

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	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C2	C2	C1	C2	C2
<b>FRENCH</b>	C1	C1	B2	B2	B2
<b>SPANISH</b>	B1	B1	A2	B1	A2
<b>ITALIAN</b>	B1	B1	B1	B1	A2

### ● PROJECTS

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**Principal Investigator, Diagnostic system for intrathoracic tumors based on ultrasonography and molecular biomarkers** Grant PED178/2017, approx 115 000 EUR

Links <https://roxana-eu.wixsite.com/disosys>

**Principal Investigator, Lung cancer Diagnosis and Monitoring System based on transthoracic ultrasonography and neural networks** Grant EIT Health RIS Innovation Project no. 21528/07.08.2019, approx 75000 EUR

Links <https://roxana-eu.wixsite.com/lcdst>

**Principal Investigator, Diagnosis and follow-up system based on artificial intelligence algorithms and transthoracic ultrasound image analysis for diffuse lung diseases** Grant EIT Health RIS Innovation Project no. 10301/27.04.2020, approx 75000 EUR

**Principal Investigator, Lymph Nodes Metastasis Evaluation and Monitoring system based on ultrasound image analysis and artificial intelligence algorithms - LymphMED-AI** Grant EIT Health RIS Innovation Project no 1340/16.01.2023, approx 75000 EUR

### ● PUBLICATIONS

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**More than 80 publications, with an h-index of 10**

[https://scholar.google.com/citations?hl=ro&user=iyVLzt0AAAAJ&view\\_op=list\\_works&sortby=pubdate](https://scholar.google.com/citations?hl=ro&user=iyVLzt0AAAAJ&view_op=list_works&sortby=pubdate)

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### ● HONOURS AND AWARDS

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Euroinvent 2021

**Silver Medal** Method for the detection and evaluation of pleural and lung surface modifications based on computer analysis of ultrasound, authors: Rusu-Both Roxana, Chira Romeo Ioan

- **SKILLS**

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DeltaV programming | MATLAB | C# | Python | LabVIEW | Machine learning | Image processing | Electronics | Signal processing | mathematical modeling | robust control | adaptive control | predictive control

- **DRIVING LICENCE**

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**Driving licence:** B

- **INVITED TALKS/LECTURES/WORKSHOPS/SPEAKER**

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01/10/2015 - 03/10/2015

**Invited Speaker at the Workshop on Emerging Methods in Control Engineering at the International Conference on Fractional Signals and Systems 2015**

Links <http://fss-conference.com/files/Workshop-Control-24-09-15.pdf>

04/12/2015

**Invited Speaker at the Workshop on "Distributed Control Strategies with Application to Robust Fractional Order Controllers for Distillation", 2015, University of Cyprus, Cyprus**

- **ORGANIZATIONAL SKILLS**

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**Special Sessions Chair at the IEEE International Conference on Automation, Quality and Testing, Robotics 2024**

Write here the description...

**Special Sessions Chair at the 29th International Conference on System Theory, Control and Computing, ICSTCC 2025**

01/10/2015 - 03/10/2015

**Organizing committee member at International Conference on Fractional Signals and Systems 2015, Cluj-Napoca, Romania, 2015**

Links <http://fss-conference.com/organizing-committee.php>

**Program responsible for the Bachelor dual learning program Intelligent Automated Systems, Automation Department and Emerson**

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