PERSONAL INFORMATION

Lucian Mihai

lucian.itu@unitbv.ro

Gender M | Date of birth | Nationality Romanian

PROFESSIONAL EXPERIENCE

Oct. 2014 - present

Lecturer / Associate Professor / Professor

Transylvania University of Brașov, B-dul Eroilor 29, Brașov, Romania (www.unitbv.ro)

- Teaching activities at the undergraduate and master's level within the Department of Automation and Information Technology; research activities
- Doctoral supervisor since 2019

Oct. 2013 - present

Research engineer

Siemens SRL, Corporate Technology, B-dul Eroilor 3A, Brașov, Romania (www.siemens.ro)

- Development of software solutions for medical equipment: prototyping

April 2014 – October 2015

Postdoctoral researcher

Transylvania University of Brașov, B-dul Eroilor 29, Brașov, Romania (www.unitbv.ro)

- Development of non-invasive diagnostic methods for specific cardiovascular system diseases

February 2011 – April 2011, August 2011 – November 2011, July 2012 – September 2012

Intern

Siemens Corporate Research, 755 College Road, Princeton, NJ, USA (www.siemens.com)

- Development, implementation and validation of hemodynamic models of the human cardiovascular system

October 2010 – January 2011, May 2011 – July 2011, December 2011 – June 2012, October 2012 – September 2013

Intern

Siemens SRL, Corporate Technology, B-dul Eroilor 3A, Brașov, Romania (www.siemens.ro)

- Development, implementation and validation of hemodynamic models of the human cardiovascular system

EDUCATION AND TRAINING

October 2010 – September 2013

Doctor of Engineering

Transylvania University of Brașov, B-dul Eroilor 29, Brașov, Romania (www.unitbv.ro)

- Systems Engineering, PhD degree for the thesis entitled *Use of parallel processing in multiscalar modeling of coronary hemodynamics*

October 2004 – July 2009

Diplomat Engineer

Transylvania University of Brașov, B-dul Eroilor 29, Brașov, Romania (www.unitbv.ro)

- Systems engineering, process control, programmable logic controllers, C, C++, Java programming

September 2000 – June 2004

Baccalaureate

Johannes Honterus Theoretical High School

- Mathematics, Physics, Chemistry, Biology, Computer Science

PERSONAL COMPETENCES

Mother tongue(s): Romanian

Other known foreign languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Join the conversation	Oral speech	
English	C1	C1	B2	B2	C1
GERMAN	C1	C1	C1	C1	C1

Levels: A1/2: Elementary user - B1/2: Independent user - C1/2: Experienced user
Common European Framework of Reference for Languages

Communication skills
- good communication skills acquired through experience as a project manager and teacher

Organizational/managerial skills
- Developed capacity to understand and systematize tasks within a team, acquired as a result of coordinating research projects

Skills acquired at work
- Numerical algorithms for implementing incompressible Navier-Stokes equations
- Customized three-dimensional and one-dimensional hemodynamic modeling
- Numerical optimization methods
- Machine Learning
- Parallel processing and programming using the CUDA language

Computer skills
- C/C++, Python, Matlab, SQL programming

Other skills
- Punctual, capable of teamwork, willing to learn and improve myself

Driving license
- B

ADDITIONAL INFORMATION

Publications
presentation
project
conference
seminars
AWARDS
Affiliations
reference

a) Research projects

- MyHealth-MyData (MHMD), funded by the European Commission (H2020), November 2016 – October 2019, project manager for partner Transilvania University of Brașov, budget 147,750 Euros
- Information Technology: The Future of Cancer Treatment (ITFoC), funded by the European Commission and UEFISCDI, March 2017 – February 2020, project manager for partner Transilvania University of Brașov, budget 62,500 Euros
- Frictionless Energy Efficient Convergent Wearables for Healthcare and Lifestyle Applications (CONVERGENCE), funded by the European Commission and UEFISCDI, April 2017 – March 2020, project manager for partner Transilvania University of Brașov, budget 35,000 Euros
- Image-based functional assessment of complex coronary artery lesions using optical coherence tomography and routine angiography (FUNCTIONAL-OCT), funded by UEFISCDI, January 2017 – July 2018, project manager for partner Siemens SRL, budget: 100,000 Euros.
- Image-based functional assessment of renal artery stenosis using Computer Tomography Angiography or routine X-ray Angiography (RENA), funded by UEFISCDI, January 2017 – July 2018, project manager for partner Siemens SRL, budget 117,000 Euro

b) Awards

- Innovation Radar Prize 2019, Enabling Tech category, awarded by the European Commission
- IEEE Biomedical and Health Informatics Conference 2014 – BHI 2014, 2nd place Student Best Paper

c) A summary of the main achievements:
• doctoral thesis: The use of parallel processing in multiscalar modeling of coronary hemodynamics, 2013.
• number of books published in international publishing houses: 1
• number of books published in national publishing houses: 5
• number of ISI indexed works: 40
• number of BDI indexed works: 22
• no. of papers in conference volumes: 37
• number of patents: 23