



## Curriculum Vitae

### Personal information

First name(s) / Surname(s) **Racz Sever-Gabriel**

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Nationality Romanian

Date of birth [REDACTED]

Gender male

### Work experience

Dates 1996 to date

Occupation or position held Teaching assistant, assistant professor, associate professor, professor

Main activities and responsibilities Educational activities

Name and address of employer "Lucian Blaga" University of Sibiu, 10, Bd. Victoriei, 550024, Sibiu, Romania

Type of business or sector Higher education

Dates 1994-1996

Occupation or position held Engineer / teacher

Main activities and responsibilities Educational activities / teaching informatics classes

Name and address of employer Palatul Copiilor Sibiu, 2, Constitutiei, 550253, Sibiu, Romania

Type of business or sector Education

### Education and training

Dates 2016

Title of qualification awarded Habilitation

Principal subjects/occupational skills covered Industrial Engineering

Name and type of organisation providing education and training "Lucian Blaga" University of Sibiu

Dates 2003-2004

Title of qualification awarded Postdoctoral studies

Principal subjects/occupational skills covered Amélioration des lois de comportement incluant un critère de ductilité dans les simulations du procédé d'emboutissage des codes E.F.

Name and type of organisation providing education and training Laboratoire d'Etudes et de Développement et des Produits Plats LEDEPP – ARCELOR R&D, Florange – France

Dates 1995-2002

Title of qualification awarded Doctoral degree in Industrial Engineering

Name and type of organisation providing education and training	"Lucian Blaga" University of Sibiu										
Dates	1994-1995										
Title of qualification awarded	Master Degree in Industrial Engineering										
Name and type of organisation providing education and training	"Lucian Blaga" University of Sibiu										
Dates	1989-1994										
Title of qualification awarded	Bachelor Degree in Industrial Engineering										
Principal subjects/occupational skills covered	Machine-tools and production systems										
Name and type of organisation providing education and training	"Lucian Blaga" University of Sibiu										
<b>Personal skills and competences</b>											
Mother tongue(s)	Romanian										
Other language(s)											
Self-assessment	<b>Understanding</b>				<b>Speaking</b>				<b>Writing</b>		
<i>European level (*)</i>	Listening		Reading		Spoken interaction		Spoken production				
French	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	
English	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	
	(*) <a href="#">Common European Framework of Reference for Languages</a>										
Social skills and competences	Team spirit, ability to assemble and mobilize teams for solving a particular task or project; Communication skills and abilities;										
Organisational skills and competences	Managerial spirit (director of 5 and team member in 15 competitive research grants financed by national and international research authorities); 12 research contracts financed by third parties (companies) Experience in project management or team management; Ability to attract extrabudgetary funds.										
Technical skills and competences	Hydraulic and pneumatic driving systems; Computer-aided design of machines and production systems; Cold plastic deformation of metals; Cutting processes.										
Computer skills and competences	Good expertise in the fields of computer aided design, computer aided manufacturing, computer aided engineering tools;										
Other skills and competences	Intuitive understanding of others;										
Driving licence	A, B categories										

## Additional information

### Advanced training stages abroad:

- FESTO Didactic, Esslingen am Neckar, Germany, Training in Industry 4.0 implementation, February 2017;
- Ecole Nationale Supérieure d'Arts et Métiers Metz – France, invited researcher, April – July 2008;
- Laboratoire d'Etudes et de Développement et des Produits Plats LEDEPP – ARCELOR R&D, Florange – France, Post-doctoral Marie Curie scholarship financed by the CE through the FP5 program, G5TR-CT-2002-00091
- Training in the field of CNC machines, REALMECA, Clermont en Argonne, France, February 2005
- Doctoral scholarship: INSA Rennes, Laboratoire MA<sup>2</sup>G, Franța, June 2002, Universität Stuttgart - Institut für Umformtechnik, Germania, June–July 2000, April–May 2002.

### Scientific and educational activities:

- more than 140 scientific papers, presented and published at national and international conferences or published in journals;
- 20 research grants (5 as director);
- 7 monographs and handbooks;
- Member of C.N.A.T.D.C.U., Industrial Engineering and Management committee, since 2016 – to date;
- Member of the Editorial board, Acta Universitatis Cibiniensis – Seria Tehnică, IDB indexed journal;
- Reviewer of Clarivate Analytics (ISI) journals: International Journal of Material Forming, Metals, Machines, Materials, Symmetry, Coatings, Aerospace etc.;
  
- Vice Rector of the "Lucian Blaga" University of Sibiu, since 2023;
- Dean of the Engineering Faculty, 2020 - 2023;
- Head of the Industrial Machines and Equipment Department, 2015-2019;
- Scientific secretary of the Council of the Faculty of Engineering, 2008-2012;
- Member of the University Senate, Lucian Blaga University of Sibiu, since 2012;
- Member of the Faculty Council, Engineering Faculty, since 2008;
- Member of the Department Council, Industrial Machines and Equipment Department, since 2011 – to date;
- Coordinator for "Machine-tools / Digital Production Systems" and "Mechatronics", Bachelor programmes;
- Coordinator for "CAD-CAE-CAM systems in metal forming", Master programme, authorized by ARACIS in 2007;
- Chairman of the graduation committee for Bachelor programme:
  - Mechatronics, since 2018;
- Chairman of the graduation committee for Master programmes:
  - CAD-CAE-CAM systems in metal forming, since 2018;
  - Structure, programming and maintenance of CNC systems, since 2018;
- Member of the graduation committee for Bachelor programmes:
  - Machine-tools / Digital Production Systems, since 2008;
  - Machine building technology, since 2016;
- Member of the graduation committee for Master programmes:
  - CAD-CAE-CAM systems in metal forming, 2009-2018;
  - Structure, programming and maintenance of CNC systems, 2009-2013;
  - Intelligent manufacturing systems and technologies, 2012-2019;
- Member in committees for defending Ph.D. theses, since 2016;
- Member of the competition committees for teaching positions at various universities in the country, since 2010;
- Coordinator of the robotic teams - CyberTech and PowerBot, since 2014;  
(over 30 prizes at national and international competitions):
  - RoBotX, Sibiu, 2014, 2015, 2016, 2017, 2018, 2019;
  - EUROBOT, Dresda – Germania, 2014, Yverdon Le Bain – Elveția, 2015, Le Kremlin Bicetre – Franța, 2016, La Roche sur Yon – Franța, 2018, 2019;
  - ROBOTEC, Timișoara, 2016, 2017, 2018, 2019;
  - National Salon of Invention for Youth, București, 2016, 2017, 2018;
  - National Olympiad of Mechatronics - Mechatronics Education Days, Iasi - 2016, Brașov - 2017, Sibiu - 2018, Cluj-Napoca 2019;)
- Coordinator of ULBS Racing Team for Formula Student competition;
- Coordinator of the Mobile Robots Competition – powered by Marquardt, Sibiu, since 2017.

**Membership in professional societies and associations:**

- Member of the Board of Directors of the General Association of Engineers from Romania (AGIR), since 2022;
  - President of the MECROB Sibiu Association - Association for Mechatronics and Robotics Sibiu, since 2019;
  - Member of the General Association of Engineers from Romania (AGIR), since 1996;
  - Member of the Verein Deutscher Ingenieure (VDI), Germany, since 2001;
  - Member of the Romanian Society of Mechatronics - SROMECA, since 2018;
  - Member of the Transylvanian Association for Romanian Literature and Culture of the Romanian People - ASTRA, since 2006.
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- Web of Science ResearcherID: B-2371-2019
  - Scopus ID: 36913199000
  - ORCID ID: <https://orcid.org/0000-0003-4103-527X>

**Annexes**