





PERSONAL INFORMATION

Scurtu Iacob-Liviu



 Cluj, 407055 Romania  
  02642401610  
 Liviu.Scurtu@auto.utcluj.ro  
 Sex: M | Date of birth 02/07/1984 | Nationality: Romanian

WORK EXPERIENCE

ACTUAL JOB

2015- present **Lecturer**  
 Technical University of Cluj-Napoca  
 Faculty of Automotive Engineering, Mechatronics and Mechanics  
 Department of Automotive Engineering and Transports

1oct. 2011-2015 **Assistant professor PhD. Eng.**  
 Technical University of Cluj-Napoca  
 Faculty of Mechanical Engineering  
 Department of automotive engineering and transportation
 

- Teaching activities
- Teaching laboratory works: Technical Drawing I, Technical Drawing II, Descriptive Geometry, Computer Graphics

 Business or sector: Teaching

1oct. 2008-27 sept. 2011 **PhD. student**  
 Technical University of Cluj-Napoca  
 Faculty of Machine Building  
 Department of Mechanics and Programming  
 Business or sector: Education

15 may 2008-30 sept. 2008 **Mechanical engineer**  
 S.C. Planerko, Cluj  
 Technical documentation and drawing of wood working machine  
 Business or sector: Engineering

EDUCATION AND TRAINING

2008-2011 **PhD. in Mechanical Engineering**  
 Technical University of Cluj-Napoca  
 Faculty of Machine Building  
 Department of Mechanics and Programming  
 PhD thesis: *"CONTRIBUTIONS TO KINEMATICS AND DYNAMICS OF A NEW PARALLEL ROBOT WITH FIVE DEGREES OF MOBILITY DESIGNED FOR MINIMALLY INVASIVE SURGERY AND THE INTEGRATION OF THIS ROBOT INTO A E-LEARNING PLATFORM FOR HEPATIC SURGERY"*  
 Phd. supervisor:  
 PhD. Prof. Eng. Nicolae Plitea
 

- The kinematic and dynamic study of the parallel robots
- Tree-dimensional reconstruction of CT images
- Dynamic Simulation

2013 Certificate of completion of a course in Autocad 2012 - Certificate no. 151598NGE5.  
 2012-2013 Certificate training - continuous training and development program university teaching career - DIDATEC.  
 2009 Participation at Summer School: Mathematical Methods in Computational Kinematics of the University of Innsbruck, Austria.

2007 Participation at ANSA software training from Company P + Z, Munich, Germany.

2003-2008 **Mechanical engineer -student**  
 Technical University of Cluj-Napoca  
 Faculty of Machine Building  
 Technical Drawing, Descriptive Geometry, Mechanical, Computer Graphics, Machine Parts

PERSONAL SKILLS

Mother tongue Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
French	B2	B2	B2	B2	B2
Certificate of proficiency, no. 3228, Date: 18/01/2013.					
English	B2	B2	B1	A2	A2

Communication skills ▪ good communication and team work skills gained through my experience

Computer skills ▪ Microsoft Office™ tools, SolidWorks, AutoCAD, Pro Engineering, Altair HyperWorks, Ansa, Matlab.

Driving licence ▪ B, C

ADDITIONAL INFORMATION

- Publications ▪ Author and co-author in 27 papers, co-author in two patent proposals
- Presentations ▪ Presentation at the International Workshop "New trends in the development of parallel robots for medical application", Robomed 2010
- Projects ▪ Presentation of the scientific paper "Ethics in Robotic Surgery and Telemedicine" at the international conference EUCOMES 2010
- Conferences ▪ Participation at the Summer School courses "Mathematical methods in computational Kinematics", Innsbruck 2009
- Seminars ▪ Member in the research project "Innovative Development of a Virtual System for e-Learning Facility of Hepatic Laparoscopic Surgery - HEPSIM"
- Member in the research project "Possibilities of biodegradable lubricants developing based on nonmaterials", Internal Competition UTC-N, Project Director: Lecturer. Phd. Eng. Dan MOLDOVANU

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01.10. 2018