

PERSONAL INFORMATION

Răzvan Gabriel BOBOC



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Sex Male

Date of birth 13/05/1986

Nationality Romanian

WORK EXPERIENCE

15.11.2015 - Present

**Researcher**

Transilvania University of Brasov

Faculty of Mechanical Engineering

17.07.2007 - 17.09.2007

**Programmer**

Siemens PSE Braşov

Telecommunication

5.08.2011 - 01.08.2012

**Design Engineer**

SC Topoland M. A. B. SRL

EDUCATION AND TRAINING

2011 – 2015

**PhD – Thesis Title: Natural human-robot interaction for assistive robotics applications**

Transilvania University of Braşov, Romania

Area of study: Robotics, Artificial intelligence, Image processing

2009 – 2011

**Master’s Degree in Electrical Engineering and Computer Science**

Transilvania University of Braşov, Romania

Area of study: Telecommunication, Digital communication networks

2004 – 2009

**Bachelor of Science in Electrical Engineering and Computer Science**

Transilvania University of Braşov, Romania

Electronics and computers

2000 - 2004

**High School graduation**

National College of Informatics ‘Grigore Moisil’ Braşov

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
French	B1	B1	A2	A2	A2

Communication skills team work , respect, confidence

Organisational / managerial skills persevering, responsibility

Computer skills

- Programming: .NET (C#, Basic), C/C++, Java
- Design and Simulation: Matlab – Simulink, AutoCAD, SolidWorks, V-REP, Webots, Labview
- Editing Software: Microsoft Office, Photoshop
- Operating Systems: Windows troubleshooting, Windows Server, Linux

Other skills School of Arts “Tiberiu Bredeceanu” graduation, Graphic class

Driving licence B

#### ADDITIONAL INFORMATION

- Publications
- **Boboc, R. G.**, Moga, H. and Talabă, D., A Review of Current Applications in Teleoperation of Mobile Robots, in *Bulletin of the Transilvania University of Braşov Series I: Engineering Sciences* 5(54), 2012.
  - Banu, S. M., Danciu, G. M., **Boboc, R. G.**, Moga, H. and Balany, C. A novel approach for face expressions recognition, in *Proceedings of the 10th IEEE Jubilee International Symposium on Intelligent Systems and Informatics (SISY 2012)*, Subotica, Serbia, pp. 537-541, 2012.
  - Panfir, A. N., **Boboc, R. G.** and Mogan, G., NAO Robots collaboration for object manipulation, in *Applied Mechanics and Materials*, vol. 332, pp. 218-223, 2013.
  - **Boboc, R. G.**, Toma, M. I., Panfir, A. N. and Talabă, D., Learning new skills by a humanoid robot through imitation, in *Proceedings of IEEE 14th International Symposium on the Computational Intelligence and Informatics (CINTI)*, pp. 515-519, 2013.
  - Panfir, A. N., **Boboc, R. G.** and Mogan, G., Intelligent mobile robots cooperation within a tasks oriented environment, in *Proceedings of the IEEE 14th International Symposium on Computational Intelligence and Informatics (CINTI)*, pp. 243-248, 2013.
  - Panfir, A. N., Butilă, V. E., **Boboc, R. G.** and Mogan, G., Controlling Humanoid NAO Robots Using a Web Interface, in *AWERProcedia Information Technology & Computer Science*, vol. 3, pp. 1689-1683, 2013.
  - **Boboc, R. G.** and Talabă, D., Point-and-command Paradigm in Human - Robot Interaction, in *Proceedings of the the 6th Győr Symposium and 3rd Hungarian-Polish and 1st Hungarian-Romanian Joint Conference on Computational Intelligence*, Győr , Hungary, pp. 21-27, 2014.
  - **Boboc, R. G.**, Moga, H. and Talabă, D., An Educational Humanoid Laboratory Tour Guide Robot, in *Procedia - Social and Behavioral Sciences*, vol. 141, pp. 424-430, 2014.
- Projects
- **Boboc, R. G.**, Duguleană, M. and Talabă, D., Natural Interaction with an Assistive Humanoid Robot, *Applied Mechanics and Materials*, Trans Tech Publications, Switzerland, vol. 762, pp. 189-194, 2015.
  - **Boboc, R. G.**, Dumitru, A. I. and Antonya, C., Point-and-Command Paradigm for Interaction with Assistive Robots. *Int J Adv Robot Syst*, vol 12, no. 75, 2015; **Impact Factor: 0.526**.

ROBOCORE - robotic prostate biopsy, an innovative method of high precision (2014 – 2016)  
 SPINE - An innovative system for the diagnosis and treatment of spine disorders(2014 – 2016)  
 NaviEyes – Intelligent car navigation assistant for mobile devices based on eye gaze tracking and head pose (2014 – 2016)  
 eHERITAGE - Expanding the Research and Innovation Capacity in Cultural Heritage Virtual Reality Applications (2015 – 2018)