

Curriculum Vitae –Zaviša Gordić, M.Sc.E.E.

Personal

Name: Zaviša Gordić

Born: 3rd of August 1989, Užice, Serbia

Citizenship: Serbian

Current position: Research Assistant, Department of Signals & Systems, Faculty of Electrical Engineering, University of Belgrade

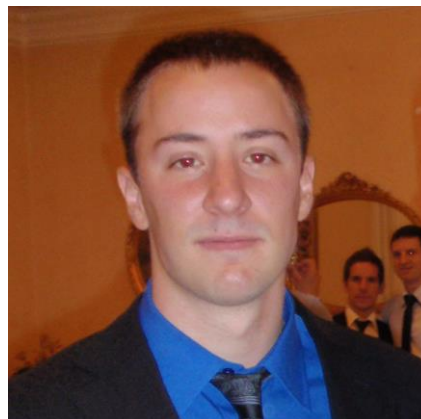
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Education

PhD degree (2013– present)	Faculty of Electrical Engineering, University of Belgrade PhD field of research: Robotics
Masters degree (2012– 2013)	Faculty of Electrical Engineering, University of Belgrade <i>Department:</i> Signals and Systems <i>Field:</i> Control systems, Robotics and Signal Processing <i>GPA:</i> 10.00 (out of 10.00) <i>Master thesis:</i> Modeling and Regulation of Automated Car Handling System, <i>mentor:</i> Prof. Željko Djurović.
Dipl. Ing. degree (2008– 2012)	Faculty of Electrical Engineering, University of Belgrade <i>Department:</i> Signals and Systems <i>Field:</i> Control systems, Robotics and Signal Processing <i>GPA:</i> 9.13(out of 10.00) <i>Diploma thesis:</i> Application of Four-Step Commutation Method for Matrix Converters, <i>mentor:</i> Prof. Željko Djurović.

Training Certificates

July 2015	Advanced training for DENSO robots - Robot System with RC7/RC8 Controllers / Robot Software WINCAPS III; Robot / Programming / Interfaces
July 2015	Basic training for DENSO robots - Robot System with RC7/RC8 Controllers / Robot Software WINCAPS III; Robot / Operating / Programming

Experience/Career/Projects

July 2014 - present	Vision Equipment, Dillon Robotics, Technical and commercial coordinator, and key account
Nov 2013 - present	Research assistant at project funded by Serbian Ministry of Education, Science and Technological Development - <i>Ambient Intelligent Service Robots of Anthropomorphic Characteristics</i> .
June-October 2013	Internship in company SMS Siemag AG, Germany (www.sms-siemag.com), department of Testing and Simulation.
September – October 2012	Serbian Center for the Promotion of Science, „Days of Future: Robotics“ (24th of Sept. – 15th of Oct.), responsible for robot workshops, and forrobot exhibition. (http://danibuducnosti.rs/)
June-August 2012	Internship at University of Siegen, Germany, department of Automation, project- Matrix Converter.
August-September 2011	Internship in company Controlpoint, Užice, Serbia.

Research Interests

Robotics	Human-like robotic actuators: modeling and control Simulation tools for robot & machine dynamics, contacts with environment & control
Control systems	Control systems applied to electrical & hydraulic drives

Awards

2017	Best Section Paper Award in ICETRAN 2017 for “Partial Pose Measurements for Identification of Denavit-Hartenberg Parameters of an Industrial Robot”
2015	Best Section Paper Award in ICETRAN 2015 for “Robot Tool Centre Point Calibration using Analysis of Images from Orthogonal Planes”
2013	“Zoran Djindjic Internship Programme of German Business” scholarship for professional education in Germany
2008	Commendation from HRH Prince Aleksandar Karadjordjević II as the best student in Gymnasium

Student's projects

Robotics	CNC machines - programming and product design, programming the movement of robotic manipulator on production line
Industrial Process Control	Water Distribution System, Drying system, AC motor – programming PLCs and SCADA application

Publications

Conferences and Journals

1. **Z. Gordić**, B. Lukić, M. Lazarević, “Application of Modified Relay Experiment for Characterization of Two Tank System and Design of Optimal PID Controller”, INFOTEH-Jahorina, Vol 12, March 2013, pp 1187-1191
2. M. Lazarević, **Z. Gordić**, B. Lukić, “Application of Numerical Methods in Obtaining the Inverse Laplace Transform for Solving One Class of Partial Differential Equation Used in Modeling Physical Processes“, INFOTEH-Jahorina, Vol 12, March 2013, pp 1191-1195
3. **Zaviša Gordić**, Kosta Jovanović, “Modeling and Control of Car Handling Box System”, 1st International Conference on Electrical, Electronic and Computing Engineering (IcETRAN 2014), Vrnjačka Banja, June 2014
4. Veljko Potkonjak, Branko Lukić, **Zaviša Gordić**, Predrag Milosavljević, “Development of Experimental Platform for Research in Robots Having Compliant Joints”, 1st International Conference on Electrical, Electronic and Computing Engineering (IcETRAN 2014), Vrnjačka Banja, June 2014
5. **Zaviša Gordić**, Claudio Ongaro, “Robot Tool Centre Point Calibration using Analysis of Images from Orthogonal Planes”, 2nd International Conference on Electrical, Electronic and Computing Engineering (IcETRAN 2015), Silver Lake, Serbia, June 8 – 11, 2015
6. **Zaviša Gordić**, Claudio Ongaro, “Calibration of Robot Tool Centre Point using Camera-based System”, SERBIAN JOURNAL OF ELECTRICAL ENGINEERING Vol. 13, No. 1, February 2016
7. Natalija Lukić, Jelisaveta Dragojević, **Zaviša Gordić**, “Regulacija temperaturnog procesa identifikovanog modifikovanim relejnim eksperimentom”, INFOTEH-Jahorina, Vol 15, March 2016
8. **Z. Gordić**, V. Potkonjak, Overview of Methods for Robotic Manipulators Calibration, Proceedings of the 3rd International Conference on Electrical, Electronic and Computing Engineering (IcETRAN 2016), Društvo ETRAN, vol. , no. , pp. ROI2.6.1 - ROI2.6.4, issn: , udc: , doi: , isbn: 978-86-7466-618-0, Serbia, 13. - 16. Jun, 2016
9. **Z. Gordić**, C. Ongaro, Development and Implementation of Orthogonal Planes Images Method, Advances in Intelligent Systems and Computing (Proc. 25th IFTOMM/IEEE International Conference on Robotics in Alpe-Adria- Danube Region – RAAD 2016), pp. 105-115, Springer, Serbia, 2017.
10. **Z. Gordić**, K Jovanović, Partial Pose Measurements for Identification of Denavit-Hartenberg Parameters of an Industrial Robot, Proceedings of the 4th International Conference on Electrical, Electronic and Computing Engineering (IcETRAN 2017), pp. ROI1.6.1-ROI1.6.4, Друштво за ЕТРАН, Kladovo, Serbia, Jun, 2017.
11. N. Knežević, K Jovanović, **Z. Gordić**, V. Potkonjak, M. Majstorović, Hazard Identification, Risk Assessment and Safety Integration for Flexible Robotic Cell, Proceedings of the 4th International Conference on Electrical, Electronic and Computing Engineering (IcETRAN 2017), Društvo ETRAN, Jun, 2017.
12. **Z. Gordić**, N. Knežević, M. Majstorović, K Jovanović, Realizacija didaktičke proizvodne ćelije sa dva industrijska robota, Primena novih tehnologija i ideja u školskom inženjerskom obrazovanju, Požega, Srbija, May, 2017.

Reviewer activities

Conferences

- International Conference On Robotics In Alpe-Adria-Danube Region – RAAD 2016
- International Conference On Robotics In Alpe-Adria-Danube Region – RAAD 2018

Activities

Oct 2013 - present	Member of the ETF Robotics research group (http://robot.etf.rs)
Oct2013- present	Member of the Belgrade alumni club of the ZoranDjindjic internship programme of German business
Sep 2012- present	Member of the Belgrade alumni club of the IAESTE

Other skills

Languages:	English (advanced) Russian (intermediate) German (basic) Italian (basic)
Computer skills:	MS Office Internet Tools -Matlab&Simulink, C/C++, AutoCAD, Technomatix Plant Simulation, Draft Sight, Xilinx, NI LabVIEW, Wincaps III, HR Space
Personality:	Well organized, responsible, ambitious,communicative, team player, hardworking.
Driving license:	B