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Candidate: Dr. Eng. Saša Ćuković, Research and Teaching Assistant, University of Kragujevac,
Faculty of Engineering Kragujevac

Dr. Eng. Saša Ćuković is born on March 4th 1983. He finished elementary school as an excellent student. Technical High School of Mechanical and Traffic Engineering in Kragujevac (profile Technician for computer aided design) he finished in 2002 as the Student of Generation. In academic 2002/2003 he enrolled at Faculty of Mechanical Engineering (University of Kragujevac, Serbia) as a full-time student of undergraduate studies. He graduated with the highest marks in the class at the Department of Production Engineering. His diploma work in the field of intelligent systems is defended on December 1st 2008 with the highest mark (10). He passed all the exams required by the curriculum with highest marks (10) and finished his PhD studies on September 4th 2015 by defending a PhD thesis in domain of biomedical engineering.

In December 2006 he became the winner of valuable Eurobank EFG, AD Belgrade, scholarship and diploma within the project "We invest in European values", as the best student at Faculty of Mechanical Engineering in Kragujevac. Eurobank EFG scholarship is awarded to the students of final year of state colleges for outstanding results achieved during the study. He has won the one-month trip to the European Union granted by European Movement in Serbia.

He teaches lab classes and tutorials within following courses at Faculty of Engineering in Kragujevac: CAPP, CAD/CAM Technologies, CNC Technologies, Intelligent Systems, Engineering Software Tools (Level 1 and Level 2), Machine Elements, CAD/CAM/CAE 1 and CAD/CAM/CAE 2, and Technical Drawing and Eng. Graphics. He is involved in 3 projects: Grant TR-12002: 2008-2010, "Application of Biomedical Engineering in Preclinical and Clinical Practice", Integral project, Grant III-41007: 2011-2015, TEMPUS PROJECT - Studies in Bioengineering and Medical Informatics-BioEMIS.

During doctoral studies, the candidate Dr. Eng. Saša Ćuković, was engaged in research activities and short term and long term visits to several prestigious universities: Politecnico di Bari, Italy, 2011; Technische Universität München-TUM, Germany, 2012; University "Politehnica" of Bucharest, Romania, 2010; Technische Universität Graz, Österreich, 2013; Medizinischen Universität, 2013; University of Birmingham, Faculty of Mechanical Engineering, Birmingham, United Kingdom & Tampere University of Technology-TUT Finland, 2014; The Islamic Azad University - IAU, Dubai, United Arab Emirates, 2015.

During doctoral studies, he received a numerous grants and scholarships: Scholarship students-PhD student of the Ministry of Science of Republic of Serbia (2009-2012); Scholarship of the "Academician Dragoslav Srejsovic" fund awarded by the City of Kragujevac to best students (2009 and 2010); DAAD- Stipendium zur wissenschaftlichen Aus-und Fortbildung & Deutschkurse in Deutschland (2012-13); Scholarship of the Scholarship Foundation of the Republic of Austria and Scholarship of the World University Service (WUS) Austria: "One-Month Visit to Austrian Universities"-2013.

He speaks and writes English and German language proved by appropriate certificates. He published over 50 scientific papers as an author or co-author. He also co-authored one book, practicum, and participated in realization of three technical solutions. Among the important scientific papers are the following:

1. G. Devedžić, **S. Ćuković**, V. Luković, D. Milošević, K. Subburaj, T. Luković, "ScolioMedIS: WEB-ORIENTED INFORMATION SYSTEM FOR IDIOPATHIC SCOLIOSIS VISUALIZATION AND MONITORING", Journal of Comp. Meth. and Programs in Biomedicine, Vol.108, No.2, pp. 736-749, ISSN 0169-2607, Doi 10.1016/j.cmpb.2012.04.008, 2012.
2. L. Ivanović, G. Devedžić, **S. Ćuković**, N. Mirić, "MODELING OF THE MESHING OF TROCHOIDAL PROFILES WITH CLEARANCES", Journal of Mech.Design, Vol.134, No.4, pp. 1-9, ISSN 1050-0472, Doi: 10.1115/1.4005621, 2012.

3. Khelifa Baizid, **Sasa Cukovic**, Jamshed Iqbal, Ali Yousnadj, Ryad Chellali, Amal Meddahi, Goran Devedzic, Ionut Ghionea, "IRoSim: INDUSTRIAL ROBOTICS SIMULATION DESIGN PLANNING AND OPTIMIZATION PLATFORM BASED ON CAD AND KNOWLEDGEWARE TECHNOLOGIES", Journal of Robotics and Computer-Integrated Manufacturing [RCIM], Vol.-, No.-, pp. -, ISSN 0736-5845, Doi -, 2016 (accepted).
4. Devedzic G., Ristic B., Stefanovic M., **Cukovic S.**, Lukovic T., "DEVELOPMENT OF 3D PARAMETRIC MODEL OF HUMAN SPINE AND SIMULATOR FOR BIOMEDICAL ENGINEERING EDUCATION AND SCOLIOSIS SCREENING", Journal of Comp. Applic. in Engineering Education, Vol.20, No.3, pp. 434-444, ISSN 1061-3773, Doi 10.1002/cae.20411, (published online 2010, printed 2012).
5. G. Devedžić, **S. Ćuković**, B. Ristić, S. Petrović, M. Fiorentino, T. Lukovic, "COMBINED REGISTRATION OF HUMAN MUSCULOSKELETAL SYSTEM", 34th International Conference on Production Eng., Niš, Serbia, 2011, September 28-30th, pp. 189-192, ISBN 978-86-6055-019-6.
6. **S. Ćuković**, F. Pankratz, Antonio Uva, G. Devedžić, V. Luković, Michele Fiorentino, T. Zečević Luković, "CONCEPTUAL AUGMENTED REALITY FRAMEWORK FOR SPINAL DISORDERS REPRESENTATION AND DIAGNOSIS", Proceedings of The 2nd Regional Conference - Mechatronics In Practice And Education – MechEdu 2013, Subotica, Serbia, 2013, 05-06/12/2013, pp. 13-17, ISBN 978-86-7892-565-8.
7. **S. Cukovic**, Michele Gattullo, Frieder Pankratz, G. Devedzic, Ernesto Carrabba, K. Baizid, "MARKER BASED VS. NATURAL FEATURE TRACKING AUGMENTED REALITY VISUALIZATION OF THE 3D FOOT PHANTOM", EBECEGC2015, Islamic Azad University, Academic City, Dubai, United Arab Emirates, 2015, January 28-30, 2015, pp. 24-31, ISBN 978-1-941968-06-2.
8. G. Devedžić, V. Luković, **S. Ćuković**, D. Milošević, T. Luković, Z. Jovanović, B. Ristić: "ScolioMedIS: INFORMATION SYSTEM FOR NON-IONIZING 3D VISUALIZATION AND MONITORING OF SPINAL DEFORMITIES", Faculty of Engineering Kragujevac and Clinical Center Kragujevac, 2015 (patent).
9. Devedžić G., **Ćuković S.**, Petrović S., Maksić J.: "3D PRODUCT MODELING – METHODOLOGICAL PROBLEMS COLLECTION", Faculty of Mechanical Engineering at Kragujevac, CIRPIS Center, Kragujevac, Serbia, 2009., ISBN 978-86-86663-45-0, 2009 (book).
10. **S. Ćuković**, G. Devedžić, F. Pankratz, I. Ghionea, K. Subburaj: "Practical book for CAD/CAM – Augmented Reality –", University of Kragujevac, Faculty of Engineering, CIRPIS Center, Kragujevac, ISBN 978-86-6335-020-5, 2015 (book).