

CURRICULUM VITAE

Djordje Vukelic

PERSONAL DATA

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Djordje Vukelic was born 1974 in Novi Sad, Serbia. In 2000, he graduated from the Faculty of Technical Sciences, University of Novi Sad. He received his MSc. and Ph.D. degree from the same University in 2005 and 2010, respectively. At the Faculty of Technical Sciences in Novi Sad, he teaches courses on undergraduate, master's and doctoral studies to students of Mechanical Engineering and Environmental. Engineering. Presently, he is Head of Doctoral Study Programme in Mechanical Engineering and member of the Publishing Editorial Board of the Faculty of Technical Sciences in Novi Sad. He is visiting professor at the Faculty of Mechanical Engineering in Slavonski Brod, Croatia. His current research interests include process planing, computer-integrated manufacturing, engineering analysis and simulation, design of experiments, quality control and eco-design. He has authored and co-authored 1 monograph, 8 books, 64 journal (27 ISI/SCI/SCle) and 70 conference papers. Being a member of editorial boards in 5 journals and a reviewer for 17 international journals, he is also an active member of the 4 scientific and professional associations. He has taken part in 22 research international projects (Tempus, WUS, etc.).

Publication - Book

2013

- ➡ Hodolic, J., Budak, I., Hadzistevic, M., Vukelic, D, Majernik, M., Chovancova, J., Pankova-Jurikova, J., Culibrk, M.: Environmental Management Systems, Faculty of Technical Sciences, 2013, 263 p., ISBN 978-86-7892-469-9. (In Serbian)

2012

- Vukelic, D.: Computer Aided Fixture Design, Faculty of Technical Sciences, 2012, 186 p., ISBN 978-86-7892-428-6. (In Serbian)

2011

- Hodolic, J., Vukelic, D., Hadzistevic, M., Budak, I., Badida, M, Soos, L., Kosec, B., Bosak, M.: Recycling Technologies, Novi Sad, Faculty of Technical Sciences, 2011, 524 p., ISBN 978-86-7892-342-5. (In Serbian)

2009

- Hodolic, J., Vukelic, D., Budak, I., Besic, I., Muransky, J.: Eco-design and Sustainable Development in Mechanical Engineering, Novi Sad, Faculty of Technical Sciences, 2009, 248 p., ISBN 978-86-7892-182-7. (In Serbian)
- Budak, I., Hodolic, J., Stevic, M., Vukelic, Dj., Kosec, B., Karpe, B.: Environmental Labelling of Products, Novi Sad, Faculty of Technical Sciences, 2009, 260 p., ISBN 978-86-7892-190-2. (In Serbian)
- Stevic, M., Vukelic, D., Budak, I., Matin, I., Stepien, K., Adamczak, S.: Measuring/Modelling of Geometrical Product Specification, Novi Sad, Faculty of Technical Sciences, 2009, 275 p., ISBN 978-86-7892-194-0. (In Serbian)
- Budak, I., Hodolic, J., Besic, I., Vukelic, D., Osanna, P. H., Durakbasa, N. M.: Coordinate Measuring Machine and CAD-inspection, Novi Sad, Faculty of Technical Sciences, 2009, 344 p., ISBN 978-86-7892-195-7. (In Serbian)

2008

- Hodolic, J., Vukelic, D.: Fixtures, Novi Sad, Faculty of Technical Sciences, 2008, 250 p., ISBN 978-86-7892-121-6. (In Serbian)

Publication - Journals (last 5 years, 2009-2014)

2014

- Tadic, B., Vukelic, D., Miljanic, D., Bogdanovic, B., Macuzic, I., Budak, I., Todorovic, P.: Model testing of fixture-workpiece interface compliance in dynamic conditions, Journal of Manufacturing Systems, 2014, Vol. 33, No 1, pp. 76-83, ISSN 0278-6125.
- Trifkovic, B., Budak, I., Todorovic, A., Vukelic, D., Lazic, V., Puskar T.: Comparative analysis on measuring performances of dental intraoral and extraoral optical 3D digitization systems, Measurement, 2014, Vol. 47, No 1, pp. 45-53, ISSN 0263-2241.
- Todorovic, P., Vukelic D., Tadic, B., Veljkovic, D., Budak, I., Macuzic, I., Lalic, B.: Modelling of dynamic compliance of fixture/workpiece interface, International Journal of Simulation Modelling, 2014, Vol. 13, No 1, pp. 54-65, ISSN 1726-4529.

2013

- Tadic, B., Bogdanovic, B., Jeremic, B., Todorovic, P., Lužanin, O., Budak, I., Vukelic, D.: Locating and clamping of complex geometry workpieces with skewed holes in multiple-

constraint conditions, *Assembly Automation*, 2013, Vol. 33, No 4, pp. 386-400, ISSN 0144-5154.

- Jeremic, B., Vukelic, D., Todorovic, P., Macuzic, I., Pantic, M., Dzunic, D., Tadic, B.: Static Friction at High Contact Temperatures and Low Contact Pressure, *Journal of Friction and Wear*, 2013, Vol. 34, No 2, pp. 114-119, ISSN 1068-3666.
- Budak, I., Trifkovic, B., Puskar, T., Vukelic, D., Vucaj-Cirilovic, V., Hodolic, J., Todorovic, A.: Comparative analysis of 3D digitization systems in the field of dental prosthetics, *Tehnicki vjesnik - Technical Gazette*, 2013, Vol. 20, No 2, pp. 291-296, ISSN 1330-3651.
- Todorovic, P., Blagojevic, M., Vukelic, D., Macuzic, I., Jeremic, M., Simic, A., Jeremic, B.: Static coefficient of rolling friction under heating, *Journal of Friction and Wear*, 2013, Vol. 34, No 6, pp. 591-595, ISSN 1068-3666.
- Vukelic, D., Miljanic, D., Randjelovic, S., Budak, I., Dzunic, D., Eric, M., Pantic, M.: Burnishing process based on optimal depth of workpiece penetration, *Materiali in Tehnologije*, 2013, Vol. 47, No 1, pp. 43-51, ISSN 1580-2949.
- Puskar, T., Jevremovic, D., Eggbeer, D., Lapcevic, A., Trifkovic, B., Vukelic, D., Williams, R.: Determination of corrosion characteristics of dental alloy by inductively coupled plasma mass spectrometry, *Journal of Production Engineering*, 2013, Vol. 16, No 1, pp. 77-80, ISSN 1821-4932.
- Matin, I., Potran, M., Hadzistevic, M., Hodolic, J., Vukelic, D., Puskar, T., Drstvensek, I., Vrba, I.: Development of the simulation model for casting of metal substructure of metal-ceramic crown, *Journal of Production Engineering*, 2013, Vol. 16, No 2, pp. 49-52, ISSN 1821-4932.

2012

- Tadic, B., Jeremic, B., Todorovic, P., Vukelic, D., Proso, U., Mandic, V., Budak, I.: Efficient workpiece clamping by indenting cone-shaped elements, *International Journal of Precision Engineering and Manufacturing*, 2012, Vol. 13, No. 10, pp. 1725-1735, ISSN 2234-7593.
- Jevremovic, D., Puskar, T., Kosec, B., Vukelic, D., Budak, I., Aleksandrovic, S., Eggbeer, D., Williams R.: The analysis of the mechanical properties of F75 Co-Cr alloy for use in selective laser melting (SLM) manufacturing of removable partial dentures (RPD), *Metalurgija*, 2012, Vol. 51, No. 2, pp. 171-174, ISSN 0543-5846.
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- Jevremovic, D., Puskar, T., Budak, I., Vukelic, D., Kojic, V., Eggbeer, D., Williams, R.: An RE/RM approach to the design and manufacture of removable partial dentures with a biocompatibility analysis of the F75 Co-Cr SLM alloy, *Materijali in tehnologije*, 2012, Vol. 46, No 2, pp. 123-129, ISSN 1580-2949.

- Trifkovic, B., Budak, I., Todorovic, A., Hodolic, J., Puskar, T., Jevremovic, D., Vukelic, D.: Application of Replica Technique and SEM in Accuracy Measurement of Ceramic Crowns, *Measurement Science Review*, Vol. 12, No. 3, 2012, pp. 90-97, ISSN 1335-8871.
- Agarski, B., Kljajin, M., Budak, I., Tadic, B., Vukelic, D., Bosak, M., Hodolic, J.: Application of multi-criteria assessment in evaluation of motor vehicles' environmental performances, *Tehnicki Vjesnik - Technical Gazette*, Vol. 19, No. 2, 2012, pp. 221-226, ISSN 1330-3651.
- Muransky, J., Hodolic, J., Vukelic, D.: System for environmental and economic analysis of products, *Journal of Environmental Protection and Ecology*, 2012, Vol. 13, No. 3A, pp. 2040-2048, ISSN 1311-5065.
- Matin, I., Hadzistevec, M., Hodolic, J., Vukelic, D., Lukic, D.: A CAD/CAE Integrated Injection Mold Design System for Plastic Products, *International Journal of Advanced Manufacturing Technology*, 2012, Vol. 63, No 5-8, pp. 595-607, ISSN 0268-3768.
- Vukelic, D., Tadic, B., Budak, I., Miljanic, D., Jeremic, B., Todorovic, P., Randelovic, S.: Novel fixture clamping method for increased machining performance, *Tehnicki Vjesnik - Technical Gazette*, Vol. 19, No. 4, 2012, pp. 837-846, ISSN 1330-3651.
- Krizan, P., Matus, M., Kers, J., Vukelic, D.: Change of Pressing Chamber Conicalness at Briquetting Process in Briquetting Machine Pressing Chamber, *Acta Polytechnica - Journal of Advanced Engineering*, 2012, Vol. 52, No. 3, pp. 60-65, ISSN 1210-2709.
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2011

- Tadic, B., Todorovic, P., Vukelic, D., Jeremic, B.: Failure analysis and effects of re-design of a polypropylene yarn twisting machine, *Engineering Failure Analysis*, 2011, Vol. 18, Broj 5, pp. 1308-1321, ISSN 1350-6307.
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- Vukelic, D., Tadic, B., Jocanovic, M., Luzanin, O., Simeunovic, N.: A System for Computer-Aided Selection of Cutting Tools, *Acta Technica Corviniensis*, 2011, Vol. 4, No 4, pp. 89-92, ISSN 2067-3809.
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- Tadic, B., Vukelic, D., Jeremic, B.: Defining a theoretical model of wear - caused failure of tool machine elements, Tribology in industry, 2010, Vol. 32, No. 2, pp. 19-25, ISSN 0351-1642.

2009

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- Vukelic, D., Tadic, B., Hodolic, J., Krizan, P., Simeunovic, N.: Development of an intelligent system for fixture design using case-based reasoning (CBR) technique, Journal of Manufacturing Engineering, 2009, Vol. 8, No. 4, pp. 8-11, ISSN 1335-7972.
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Publication - Conference (last 5 years, 2008-2013)

2013

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- Agarski, B., Milanovic, B., Milankovic, D., Ilic, M., Budak, I., Vukelic, D., Hodolic, J.: Application of Analytic Hierarchy Process for Weighting of Impact Categories in Life Cycle Impact Assessment, 7. International Quality Conference, Kragujevac: Faculty of Engineering, 2013, pp. 181-187, ISBN 978-86-86663-94-8.
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