

# Objavljeni naučno-istraživački radovi i publikacije

1. Lepić, H.; Čabaravdić, M.: Sensor Application In Online Robot Programming, Journal of Trends in the Development of Machinery and Associated Technology (S. Ekinović, J. Vivancos Calvet, S. Yalcin, editors), Vol. 18, No. 1, 2014, ISSN 2303-4009 (online)
2. Plančić, I.; Čabaravdić, M.; Begović, E.; Härtel, S.; Kleditzsch, S.: Simulation Of The Heat Distribution By The Forward Cold Flow Forming, Journal of Trends in the Development of Machinery and Associated Technology (S. Ekinović, J. Vivancos Calvet, S. Yalcin, editors), Vol. 18, No. 1, 2014, ISSN 2303-4009 (online)
3. Petković, D.; Subašić, L.; Čabaravdić, M.: Analiza potreba preduzeća u BiH za edukacijom u oblasti inoviranja i zaštite intelektualne svojine, 3.naučno-stručna konferencija JPD-IPT 2014, Jahorina 04.-07. februar 2014.
4. Lemeš, S.; Čabaravdić, M.; Zaimović-Uzunović, N.: Robotic manipulation in dimensional measurement, XXIV International Conference on Information, Communication and Automation Technologies "ICAT2013", Sarajevo, 30-31 October 2013
5. Šabić, D.; Štrbac, D.; Lemeš, S.; Čabaravdić, M.: Upgrade of a Robot Workstation for Positioning of Measuring Objects on CMM, Proceedings of "TMT2013" Conference, Istanbul, Turkey, 10-11 September 2013
6. Šljivo, A.; Čabaravdić, M.: Simulation Of a 5-Axis RV-2AJ Robot, Proceedings of "TMT2013" Conference, Istanbul, Turkey, 10-11 September 2013
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8. Krewet, C.; Cabaravdic, M.; Hypki, A.; Kuhlenkötter, B.: Empirische Abtragsmodellierung für das robotergestützte Schleifen thermisch gespritzter Schichten. 3D-Surface Engineering für Werkzeugsysteme der Blechformteilefertigung - Erzeugung, Modellierung, Bearbeitung - 5. öffentliches Kolloquium, 20. November 2012, Dortmund, ISBN 978-3-86975-071-2
9. Petković, D.; Čabaravdić, M.: Multidisciplinarnost nastavnog procesa kao preduslov za preduzetničko obrazovanje sa kvalitetnim i zahtijevnim izlaznim kompetencijama, Međunarodna konferencija "Jačanje preduzetništva na visokoškolskim ustanovama i povezivanje sa privredom", Banja Luka, 11-12. oktobar 2012.

10. Cabaravdic, M.: A Robot-Cell for Quality Assurance of Ground and Polished Products. Proceedings of Conference "Quality 2011", Neum, 2011
11. Cabaravdic, M.: Optimierung des Spanvolumens - beim industrierobotergetützten Bandschleifen frei geformter Oberflächen, stručna knjiga, SVH Verlag, Saarbrücken Deutschland, 2010, ISBN-13: 978-3838113265
12. Cabaravdic, M.: Maintenance and Safety of Robot Systems. Proceedings of Conference "Maintenance 2010", Zenica, 2010
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19. Cabaravdic, M.; Kneupner, K.; Kuhlenkötter, B.; Schröder, A.: Force - Distribution Model by the Belt Grinding with Elastic Contact Wheel. Proceedings of Conference "TMT2004" University of Sarajevo, Bosnia-Herzegovina, 2004
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23. Cabaravdic M.; Ekinovic S.: An Experimental Test of the Theoretical Equation for the Small Oscillation Frequency of the Mathematical Pendulum. Proceedings of the

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## **Učešće u međunarodnim i domaćim stručnim i razvojnim projektima**

1. TEMPUS projekt “Competence based curriculum-CCNURCA”, 2013-2016.
2. TEMPUS projekt “Bosnia and Herzegovina Qualification Framework for Higher Education-BHQFHE”, 2013-2016.
3. TEMPUS projekt “Fostering students' entrepreneurship and open innovation in university-industry collaboration, IdeaLab, 2013-2016
4. TEMPUS projekt “Modernization of WBC universities through strengthening of structures and services for knowledge transfer, research and innovation”- WBCInno”, 2012-2014.
5. TEMPUS projekt “Benchmarking as a tool for improvement of Higher Education Performance-BIHTEK”, 2012-2014.
6. „Ableitung eines empirischen Abtragsmodells für das robotergestützte, kraftgeregelte Schleifen mit Schleifstiften“, istraživački projekt u saradnji sa IPS institutom Univerziteta u Dortmundu (SR Njemačka) finansiran od strane Njemačke agencija za međunarodnu akademsku razmjenu (DAAD), Juni-August 2012.
7. „Primjena industrijskog robota za pozicioniranje mjerenog objekta na koordinatnom mjernom stroju“, nosilac originalnog istraživačkog projekta na Mašinskom fakultetu Univerziteta u Zenici, finansiranog od strane Federalnog ministarstva obrazovanja i nauke, Januar-Decembar 2012.
8. TEMPUS projekt “Embedding Quality Assurance in Doctoral Education- EQADE”, 2010-2012.
9. TEMPUS projekt “Strategic Management of Higher Education Institutions Based on Integrated Quality Assurance System-SHEQA”, 2010-2012.
10. Joint EC/CoE projekt „Strengthening Higher Education in Bosnia and Herzegovina“, 2006-2008

11. „Einrichtung einer Roboterzelle zum Schleifen und Polieren tiefgezogener Aluminiumbauteile“, industrijski projekt na IRF institutu Univerziteta u Dortmundu (SR Njemačka), Oktobar 2006-Mart 2007.
12. „Versuche zur Ermittlung des Einflusses verschiedener Prozessparameter auf den Abtrag beim industrieroboter-gestützten Bandschleifen“, industrijski projekt na IRF institutu Univerziteta u Dortmundu (SR Njemačka), Septembar 2005-Septembar 2006.
13. „Verfahren zur effizienten Optimierung von robotergestützten Schleif- und Polierprozessen (ePo)“, projekt na IRF institutu Univerziteta u Dortmundu (SR Njemačka) finansiran od strane nacionalne njemačke agencije BMBF, Novembar 2004-December 2005.
14. „Simulationsgestützte Offline-Prozessplanung und -optimierung bei der Fertigung von Freiformflächen (FGFFF), Teilprojekt: Automatisierte Programmgenerierung für das industrieroboter-gestützte Bandschleifen freigeformter Oberflächen“, projekt na IRF institutu Univerziteta u Dortmundu (SR Njemačka) finansiran od strane nacionalne njemačke agencije DFG, April 2002-December 2005.