

Technická univerzita v Košiciach

Prehľad ohlasov

Autor: SIMKULET, Vladimír

ACB - Vysokoškolské učebnice vydané v domácich vydavateľstvách

ACB001 [54566] **Špeciálne materiály** / Vladimír Simkulet - 1. vyd. - Košice : FVT TU, - 2006. - 60 s.. - ISBN 80-8073-631-6.
[SIMKULET, Vladimír (100%)]

Ohlasy:

2009 [4] TARASOVIČOVÁ, A. - ŠOMŠÁKOVÁ, Z. - FEČOVÁ, V.: Output attributes of drilling for preparing of precision holes manufacturing. In: ICPM 2009 : 5th international congress on precision machining : Stará Lesná, 15. - 19. september 2009. Košice : TU, 2009. S. 251-255. ISBN 978-80-553-0243-0.

2009 [3] FEDÁK, M. et al.: Quality of die casting in dependence on die casting process and running property in die cavity at pressure die casting technology. In: ERIN 2009 : sborník abstraktů : 3. ročník mezinárodní konference mladých výzkumných pracovníků a doktorandů : [Ostrava], 1. - 2. april 2009. Ostrava : VŠB, 2009. ISBN 978-80-248-1982-2.

2008 [4] RAGAN, Emil et al.: Vstrekovanie a spracovanie plastických hmôr. Prešov : FVT TU, 2008. 548 s. ISBN 978-80-553-0102-0.

ADC - Vedecké práce v zahraničných karentovaných časopisoch

ADC001 [85655] **Estimation of the smooth zone maximal depth at surfaces created by abrasive waterjet** / Sergej Hloch, Jan Valíček, Vladimír Simkulet - 2009. In: International Journal of Surface Science and Engineering. Vol. 3, no. 4 (2009), p. 347-359. - ISSN 1749-785X
[HLOCH, Sergej (60%) - VALÍČEK, Jan (20%) - SIMKULET, Vladimír (20%)]

Ohlasy:

2010 [1] KMEC, J. et al. : Disposal of discarded munitions by liquid stream. In: Tehnicki vjesnik - Technical gazette. Vol. 17, no. 3 (2010), p. 383-388. ISSN: 1330-3651

2010 [1] HARNICAROVA, M., ZAJAC, J., STOIC, A. : Comparison of different material cutting technologies in terms of their impact on the cutting quality of structural steel. In: Tehnicki vjesnik - Technical gazette. Vol. 17, no. 3 (2010), p. 271-276. ISSN: 1330-3651

2011 [1] MONKOVÁ, K. et al. Factor analysis of the abrasive waterjet factors affecting the surface roughness of titanium In: Tehnicki vjesnik - Technical gazette. Vol. 18, no. 1 (2011), p. 73-77 ISSN: 1330-3651

2011 [1] GUO, X. et al. Simulation of cutting porcine liver with water jet based on MSC. Dytran In: Chinese Journal of Biomedical Engineering Vol. 30, no. 1 (2011), p. 151-154 ISSN: 0258-8021

2011 [1] PANDA, Anton, VASILKO, Karol, DUPLAK, Jan T-V-c dependence for cutting ceramic and sintered carbide in standard ISO 3685 and their analytical expression In: International Conference on Instrumentation Measurement, Circuits and Systems : (ICIMCS 2011) : Dec 12-13, 2011, Hong Kong P. 79-82 ISBN: 978-0-7918-5990-2

2013 [4] PERŽEL, Vincent, HREHA, Pavol, MIČKO, Milan Porovnávacia analýza technológií AWJ In: Strojárstvo Roč. 16, č. 3 (2013), s. 12-16 ISSN: 1335-2938

2013 [1] ŤAVODOVÁ, M. The surface quality of materials after cutting by abrasive water jet evaluated by selected methods In: Manufacturing Technology Vol. 13, no. 2 (2013), p. 236-241 ISSN: 1213-2489

2013 [1] BIDULSKÝ, R., BIDULSKA, J., ACTIS GRANDE, M. Sliding wear of coated prealloyed sintered chromium steel In: Strojarstvo Vol. 55, no. 3 (2013), p. 197-201 ISSN: 0562-1887

2011 [1] TOZAN, H. Fuzzy AHP based decision support system for technology selection in abrasive water jet cutting processes In: Tehnicki Vjesnik Vol. 18, no. 2 (2011), p. 187-191 ISSN: 1330-3651

2010 [1] RADVANSKÁ, A.: Abrasive waterjet cutting technology risk assessment by means of failure modes and effects analysis method. In: Tehnicki vjesnik - Technical gazette. Vol. 17, no. 1 (2010), p. 121-128. ISSN 1330-3651.

2012 [1] BRAZINA, D., KOTYRBA, M., VOLNA, E. Simulation of surface microroughness by means of polygonal representation In: Proceedings-26th European Conference on Modelling and Simulation, ECMS 2013 : 29 May - 1 June 2012, Koblenz, Germany 6 p. ISBN: 978-095649444-3

2018 [1] MIAO, X. et al. The optimal cutting times of multipass abrasive water jet cutting In: International Journal of Advanced Manufacturing Technology Vol. 97, no. 5-8 (2018), p. 1779-1786 ISSN: 0268-3768

2018 [1] MIAO, X. et al. Research on quality improvement of the cross section cut by abrasive water jet based on secondary cutting In: International Journal of Advanced Manufacturing Technology Vol. 97, no. 1-4 (2018), p. 71-80 ISSN: 0268-3768

ADC002 [106668] **Effect of surface roughness on nanoindentation** / Gabika Fuchsová, František Lofaj, Vladimír Simkulec - 2011. In: Chemické listy. Vol. 105 (S), no. Symposia (2011), p. s796-s797. - ISSN 0009-2770 Spôsob prístupu: www.chemicke-listy.cz.
[FUCHSOVÁ, Gabriela (34%) - LOFAJ, František (33%) - SIMKULET, Vladimír (33%)]

Ohlasy:

2012 [3] MARX, Daniela et al. Nanoindentation of gelatine/HAP nanocomposite In: Chemické listy Vol. 106, no. s3 (2012), p. 478-479 ISSN: 1213-7103

ADE - Vedecké práce v zahraničných nekarentovaných časopisoch

ADE002 [78923] **Course of heat affected zone depth in the cross section sample after WEDM cutting** / L. Straka ... [et al.] - 2008. In: Annals of Faculty of Engineering Hunedoara. Vol. 6, no. 3 (2008), p. 232-236. - ISSN 1584-2673
[STRAKA, Ľuboslav (40%) - ČORNÝ, Ivan (30%) - MIŽÁKOVÁ, Jana (20%) - SIMKULET, Vladimír (10%)]

Ohlasy:

2011 [1] BALAŞ, M., BÂLC, N., PĂCURAR, R. Research regarding heat affected zone after EDM-WC process In: Academic journal of manufacturing engineering Vol. 9, no. 3 (2011), p. 96-101 ISSN: 1583-7904

2018 [3] NAJM, V.N. Experimental investigation of wire EDM process parameters on heat affected zone In: Engineering and Technology Journal Vol. 36, Part A, no. 1 (2018), p. 46-54 ISSN: 1681-6900

ADE005 [129181] **Phenomenon of twist drill** / Karol Vasilko, Vladimír Simkulet - 2012.In: Manufacturing Technology. Vol. 12, no. 13 (2012), p. 281-285. - ISSN 1213-2489
[VASILKO, Karol (50%) - SIMKULET, Vladimír (50%)]

Ohlasy:

2013 [1] MAŇKOVÁ, I. et al. Application of Taguchi Method and Surface Response Methodology to Evaluate of Mathematical Models to Chip Deformation when Drilling With Coated and Uncoated Twist Drills In: Manufacturing Technology Vol. 13, no. 4 (2013), p. 492-499 ISSN: 1213-2489

2014 [3] KYNCL, Ladislav et al. Tests of Drills during Drilling Holes into Alloy Wheels In: Manufacturing Technology Vol. 14, no. 4 (2014), p. 16 ISSN: 1213-2489

2015 [1] KOLESNYK, V. et al. The Effect of Cutting Temperature on Carbide Drilling Life in the Process of CFRP/Steel Stacks Drilling In: Manufacturing Technology Vol. 15, no. 3 (2015), p. 357-362 ISSN: 1213-2489

2016 [3] MAJERIK, Jozef, ŠANDORA, Jozef, JAMBOR, Jaroslav Statistical Monitoring of Decrease of Surface Eccentricity and Hole of Barell Tubes from High Strength Steels under the Production Conditions In: Manufacturing Technology Vol. 16, no. 6 (2016), p. 1303-1308 ISSN: 1213-2489

ADE006 [143846] **Microstructures characteristic evaluation of carbon steel C45 after new turning method by master block** / Vladimír Simkulet ... [et al.] - 2013.In: World Academy of Science, Engineering and Technology. No. 78 (2013), p. 664-666. - ISSN 2010-376X
[SIMKULET, Vladimír (40%) - VOJTKO, Imrich (20%) - KOČIŠKO, Marek (20%) - BARON, Petr (20%)]

Ohlasy:

2016 [1] VASILKO, K., MURČINKOVÁ, Z. Tool life extension methods for cut-off tools made of high-speed steel In: ICMEM 2016 : International Conference on Manufacturing Engineering and Materials : Nový Smokovec, 6-10 June, 2016 Vol. 149 (2016), p. 520-525 ISSN: 1877-7058

ADE007 [144730] **Investigation of carbon steel C45 after new turning method by master block depending on the time of acceleration amplitude of oscillation tool** / Imrich Vojtko ... [et al.] - 2013.In: World Academy of Science, Engineering and Technology. No. 78 (2013), p. 657-659. - ISSN 2010-376X
[VOJTKO, Imrich (30%) - SIMKULET, Vladimír (30%) - KOČIŠKO, Marek (20%) - BARON, Petr (20%)]

Ohlasy:

2017 [1] VASILKO, K., MURČINKOVÁ, Z. The proposal how to make the basic machining technologies - Turning, milling, planing - more productive In: Manufacturing Technology Vol. 17, no. 2 (2017), p. 261-267 ISSN: 1213-2489

ADF - Vedecké práce v domácich nekarentovaných časopisoch

ADF002 [60268] **Efect of manganese on fracture of premix and hybrid Fe-0.85Mo-XMn-0.3C sintered steel** / V. Simkulet, M. Selecká - 2006. In: Powder Metallurgy Progress. Roč. 6, č. 4 (2006), s. 156-163. - ISSN 1335-8987
[SIMKULET, Vladimír (50%) - SELECKÁ, Marcela (50%)]

Ohlasy:

2007 [4] BIDULSKÝ, R., RODZIŇÁK, D.: Vplyv shot peeningu na únavové vlastnosti predlegovaných spekaných ocelí na báze Cr a Mo s prídavkom (0.3-0.7)% C. In: Materiálové inžinierstvo. Roč. 14, č. 3 (2007), s. 57-59. ISSN 1335-0803.

2009 [1] BIDULSKÝ, R. et al.: Effect of varying carbon content and shot peening upon fatigue performance of prealloyed sintered steels. In: Journal of Materials Sciences Technology. Vol. 25, no. 5 (2009), p. 607-610. ISSN 1005-0302.

ADF003 [60271] **Microstructure formation in Fe-0.85Mo-XMn-0.3C alloys in dependence on sintering temperature and time** = Tvorba mikroštruktúry v Fe-0.85Mo-xMn-0.3C ocelí závislosti na teplote a dobe spekania / Vladimír Simkulet - 2007. In: Acta Metallurgica Slovensca. Roč. 13, mimoriadne číslo 1/2007 (2007), s. 820-823. - ISSN 1335-1532
[SIMKULET, Vladimír (100%)]

Ohlasy:

2008 [4] BIDULSKÝ, R., KABÁTOVÁ, M., ACTIS-GRANDE, M.: Hodnotenie efektívneho koeficientu difúzie mangánovej spekanej ocele. In: Výrobné inžinierstvo. Roč. 7, č. 4 (2008), s. 45-47. ISSN 1335-7972.

ADF007 [82371] **Vplyv tribologických faktorov na efektivitu obrábania** / Rudolf Matija, Ladislav Mišík, Vladimír Simkulet - 2009. In: Tribotechnika. Č. 1 (2009), s. 48-50. - ISSN 1337-0022 Spôsob prístupu: <http://www.tribotechnika.sk>.

[MATIJA, Rudolf (45%) - MIŠÍK, Ladislav (35%) - SIMKULET, Vladimír (20%)]

Ohlasy:

2012 [4] HUTYROVÁ, Zuzana et al. Contribution to a solution of machining of polymer composite material with natural reinforcement In: Metódy a prostriedky obrábania materiálov: Práce Centra progresívnych metód obrábania v r. 2012 S. 46-52 ISBN: 978-80-553-1182-1

2012 [4] STRAKA, Ľuboslav Stanovenie optimálneho plánu preventívnej údržby elektroerozívneho zariadenia pri Weibullovom rozdelení náhodnej premennej In: Automatizácia a riadenie v teórii a praxi 2012 : ARTEP 2012 : workshop odborníkov z univerzít, vysokých škôl a praxe v oblasti automatizácie a riadenia : 22. - 24. február 2012, Stará Lesná, SR S. 59-1-59-7 ISSN: 978-80-553-0835-7

ADF008 [93582] **Produkčné obrábanie s Ra ≤ 1µm** / Karol Vasilko, Vladimír Simkulet, Štefan Kupčík - 2010. In: Výrobné inžinierstvo. Č. 1 (2010), s. 14-18. - ISSN 1335-7972 Spôsob prístupu: <http://web.tuke.sk/fvtpo/casopis/skindex.htm>.

[VASILKO, Karol (40%) - SIMKULET, Vladimír (30%) - KUPČÍK, Štefan (30%)]

Ohlasy:

2012 [3] STRAKA, Ľuboslav Hodnotenie spôsobilosti meracieho zariadenia In: Jemná mechanika a

ADM - Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS

ADM001 [159419] **Examination of material manufactured by direct metal laser sintering (DMLS) /**
Jozef Dobranský ... [et al.] - 2015. In: Metalurgija. Vol. 54, no. 3 (2015), p. 477-480. - ISSN 0543-5846
Spôsob prístupu:

http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=48&SID=P272haEKPoPVVlx9p5&page=1&doc=1

[DOBRÁNSKY, Jozef (35%) - BARON, Petr (25%) - SIMKULET, Vladimír (15%) - KOČIŠKO, Marek (10%)
- RUŽBARSKÝ, Juraj (10%) - VOJNOVÁ, Eva (5%)]

Ohlasy:

2015 [1] MANCANARES, Caeu G. et al. Additive manufacturing process selection based on parts' selection criteria In: Advanced Manufacturing Technology Vol. 80, no. 5-8 (2015), p. 1007-1014 ISSN: 0268-3768

2016 [1] SOBOTKA, J. et al. Temperature influence on the change of the sandwich material adhesive properties In: MM Science Journal Vol. 2016, no. September (2016), p. 1009-1013 ISSN: 1803-1269

2016 [1] PANDA, A. et al. Research on the durability of selected cutting materials in the process of turning carbon steel In: MM Science Journal Vol. 2016, no. October (2016), p. 1086-1089 ISSN: 1803-1269

2016 [1] BREZIKOVA, K. et al. Proposal of measuring fixture for serial production In: MM Science Journal Vol. 2016, no. October (2016), p. 1082-1085 ISSN: 1803-1269

2016 [1] FIALA T. et al. Effect of high beta irradiation on mechanical properties of surface layer of injection moulded low density polyethylene (LDPE) In: MM Science Journal Vol. 2016, no. October (2016), p. 1095-1099 ISSN: 1803-1269

2016 [1] OVIK M. et al. The behaviour of cross-linking filled PBT measured by nano-hardness In: MM Science Journal Vol. 2016, no. October (2016), p. 1110-1113 ISSN: 1803-1269

2016 [1] SOLFRONK P. et al. Spring-back prediction for stampings from the thin stainless sheets In: MM Science Journal Vol. 2016, no. October (2016), p. 1090-1094 ISSN: 1803-1269

2017 [1] MIZERA, M. et al. Ultra nanoindentation test of injection polybutylene terephthalate (PBT) irradiated by low doses beta irradiation In: MM Science Journal Vol. 2017, no. December (2017), p. 1990-1994 ISSN: 1803-1269

2018 [1] FIALA, T. et al. Mechanical properties of low density polyethylene (LDPE) irradiated by low doses beta irradiation measurement by ultra nanoindentation test In: MM Science Journal Vol. 2018, no. March (2018), p. 2162-2166 ISSN: 1803-1269

2018 [1] MAÑAS, D. et al. Effect of low beta irradiation dose on mechanical properties of surface layer of injection moulded polyamide 11 (Pa 11) In: MM Science Journal Vol. 2018, no. March (2018), p. 2144-2148 ISSN: 1803-1269

2018 [1] OVSÍK, Martin - HYLOVÁ, Lenka - FIALA, Tomaš The Influence of Process Parameters of Injection on Nano-mechanical Properties of Polypropylene In: IOP Conference Series: Materials Science and Engineering : 23rd International Conference on Manufacturing : Kecskemet, 7-8 June, 2018 Vol. 448, no. 1 (2018) ISSN: 1757-8981

ADM002 [170885] **Determination of the EOS Maragingsteel MS1 Material Resistance at Low Temperatures** / J. Dobranksy ... [et al.] - 2016. In: Metalurgija. Vol. 55, no. 3 (2016), p. 449-452. - ISSN 0543-5846 Spôsob prístupu:
http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=V2JFXsbVTXaAhELDtyD&page=1&doc=1.
[DOBRÁNSKY, Jozef (45%) - BĚHÁLEK, Luboš (1%) - BARON, Petr (15%) - KOČIŠKO, Marek (25%) - SIMKULET, Vladimír (12%) - VOJNOVÁ, Eva (1%) - BRIANČIN, Jaroslav (1%)]

Ohlasy:

2016 [1] FIALA, T. et al. Effect of high beta irradiation on mechanical properties of surface layer of injection moulded low density polyethylene (LDPE) In: MM Science Journal Vol. 2016, no. OCTOBER (2016), p. 1095-1099 ISSN: 1803-1269

2016 [1] SENKERIK, V. et al. Effect of length of glass fibers in recycled polypropylene on mechanical properties In: MM Science Journal Vol. 2016, no. October (2016), p. 114-1117 ISSN: 1803-1269

2016 [1] SKROBAK, Adam et al. Mechanical properties of injection molded and compression molded samples from nature-butadiene rubber In: MATEC Web of Conferences : CSCC 2016 : 20th International conference on circuits, systems, communications and computers : Corfu, 14-17 July, 2017 Vol. 76 (2016), art. no. 02023 ISSN: 2261-236X

2016 [1] MANAS, David et al. Micro-hardness of surface layer of irradiated Polybutene Terephthalate (PBT) In: MATEC Web of Conferences : CSCC 2016 : 20th International conference on circuits, systems, communications and computers : Corfu, 14-17 July, 2017 Vol. 76 (2016), art. no. 02018 ISSN: 2261-236X

2016 [1] STANEK, M. et al. Polymer fluidity influenced by type and amount of filler In: MATEC Web of Conferences : CSCC 2014 : 20th International Conference on Circuits, Systems, Communications and Computers : Corfu, 14-17 July, 2016 Vol. 76 (2016), art. no. 02020 ISSN: 2261-236X

2017 [1] MIZERA, M. et al. Ultra nanoindentation test of injection polybutylene terephthalate (PBT) irradiated by low doses beta irradiation In: MM Science Journal Vol. 2017, no. December (2017), p. 1990-1994 ISSN: 1803-1269

2017 [1] STRAKA, L., HAŠOVÁ, S. Research of the basic physical regularities of material removal in electrical discharge machining of tool steel In: Key Engineering Materials Vol. 756 (2017), p. 96-106 ISSN: 1013-9826

2018 [1] FIALA, T. et al. Mechanical properties of low density polyethylene (LDPE) irradiated by low doses beta irradiation measurement by ultra nanoindentation test In: MM Science Journal Vol. 2018, no. March (2018), p. 2162-2166 ISSN: 1803-1269

2018 [1] MANAS, D. et al. Effect of low beta irradiation dose on mechanical properties of surface layer of injection moulded polyamide 11 (Pa 11) In: MM Science Journal Vol. 2018, no. March (2018), p. 2144-2148 ISSN: 1803-1269

ADM003 [170886] Evaluation of the Impact Energy of the Samples Produced by the Additive Manufacturing Technology / J. Dobranský ... [et al.] - 2016. In: Metalurgija. Vol. 55, no. 3 (2016), p. 477-480. - ISSN 0543-5846 Spôsob prístupu:
http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=V2JFXsbVTXaAhELDtyD&page=1&doc=2
[DOBRÁNSKY, Jozef (45%) - KOČIŠKO, Marek (25%) - BARON, Petr (15%) - SIMKULET, Vladimír (10%) - BĚHÁLEK, Luboš (1%) - VOJNOVÁ, Eva (1%) - NOVÁKOVÁ-MARCINČÍNOVÁ, Ľudmila (3%)]

Ohlasy:

2016 [1] SVETLIK, J., STOFA, M., PITUK, M. Prototype development of a unique serial kinematic structure of modular configuration In: MM Science Journal Vol. 2016, no. September (2016), p. 994-998 ISSN: 1803-1269

2016 [1] MANAS, D. et al. Micro-hardness of surface layer of irradiated Polybutene Terephthalate (PBT) In: MATEC Web of Conferences : CSCC 2016 : 20th international conference on circuits, systems, communications and computers : Corfu, 14-17 July, 2016 Vol. 76 (2016), art. no. 02018 ISSN: 2261-236X

2016 [1] SKROBAK, Adam et al. Mechanical properties of injection molded and compression molded samples from nature-butadiene rubber In: MATEC Web of Conferences : CSCC 2016 : 20th international conference on circuits, systems, communications and computers : Corfu, 14-17 July, 2016 Vol. 76 (2016), art. no. 02023 ISSN: 2261-236X

2017 [1] MANAS, D., DOBRANSKY, J., CHVATALOVA, L. Ultra nano-hardness of surface layer of irradiated high-density polyethylene (HDPE) In: MATEC Web of Conferences volume 125 : CSCC 2017 : 21st International Conference on Circuits, Systems, Communications and Computers : Agia Pelagia, 14-17 July, 2017 Art. no. 02044 ISSN: 2261-236X

ADM005 [196872] Strengthening Effect after Disintegration of Stainless Steel Using Pulsating Water Jet / Sergej Hloch ... [et al.] - 2018. In: Tehnički Vjesnik = Technical Gazette = TV-TG. - Slavonski Brod (Chorvátsko) : Strojarski fakultet Vol. 25 4 (2018), s. 1075-1079 [print]. - ISSN 1330-3651 Spôsob prístupu:
https://apps.webofknowledge.com/Search.do?product=WOS&SID=C1eLHC5vvHIDFt9eU5A&search_mode=GeneralSearch&prID=12dadff1d-5df3-4a07-9831-ab1f2b9cb8cd
[HLOCH, Sergej (15%) - SRIVASTAVA, Madhulika (14%) - KROL CZYK, Jolanta B. (14%) - CHATTOPADHYAYA, Somnath (14%) - LEHOCKÁ, Dominika (15%) - SIMKULET, Vladimír (14%) - KROL CZYK, Grzegorz M. (14%)]

Ohlasy:

2018 [1] VENKATA, Subbaiah, K., BABURAJA K. Empirical modeling and optimization of kerf width in abrasive water jet machining - A short review In: International Journal of Engineering and Technology(UAE) Vol. 7, no. 4 (2018), p. 3238-3240 ISSN: 2227-524X

AEC - Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách(6)

AEC002 [43609] Effect of manganese on properties of sintered Fe-(1.5, 0.85)Mo-0.5C steel / M. Selecká ... [et al.] - 2005. In: EURO PM2005. - Praha : EMPA, 2005 P. 41-46. - ISBN 1899072187 Spôsob prístupu: <http://www.empa.com/pm2005>
[SELECKÁ, M. (60%) - SIMKULET, Vladimír (10%) - KERESTI, R. (10%) - PARILÁK, Ľudovít (20%)]

Ohlasy:

2006 [3] BEISS, Paul: Alloy cost optimization of high strength Mn-Cr-Mo steels with kerosene-atomized master alloy. In: PowderMet2006 - International Conference on Powder Metallurgy Particulate Materials.

San Diego : MPIF, 2006. P. 727-735.

AEC005 [149789] **Microstructural characteristics investigation of the chip-making process after machining** / Imrich Vojtko ... [et al.] - 2014. In: Applied Mechanics and Materials volume 616 : Operation and Diagnostics of Machines and Production Systems Operational States 2. - Zurich : TTP, 2014 P. 344-350. - ISBN 978-3-03835-201-3 - ISSN 1660-9336
[VOJTKO, Imrich (30%) - SIMKULET, Vladimír (30%) - BARON, Petr (20%) - ORLOVSKÝ, Imrich (20%)]

Ohlasy:

2016 [1] KREHEL, R., PAVLENKO, S., MAŠČENÍK, J. Application and verification properties of the thermal process model In: Key Engineering Materials Vol. 669 (2016), p. 400-408 ISSN: 1013-9826

2016 [1] KREHEL, R. et al. Measurement wear of drill in the manufacturing process and its simulation in virtual reality In: MM Science Journal Vol. 2016, no. NOVEMBER (2016), p. 1222-1226 ISSN: 1803-1269

2016 [1] PANDA, A. et al. Vibration and experimental comparison of machining process In: Key Engineering Materials Vol. 669 (2016), p. 179-186 ISSN: 1013-9826

2016 [1] KREHEL, R., KOČIŠKO, M., POÓR, P. Technical diagnostics in the paper industry In: DAAAM 2016 : 27th International Symposium on intelligent Manufacturing and Automation : Mostar, 26-29 October, 2016 P. 775-784 ISSN: 1726-9679

2016 [1] PRISLUPČÁK, M., PANDA, A. Comparison and analysis of the flow rate In: Key Engineering Materials Vol. 669 (2016), p. 197-204 ISSN: 1013-9826

2016 [1] BREZÍKOVÁ, K. et al. Proposal of measuring fixture for serial production In: MM Science Journal Vol. 2016, no. October (2016), p. 1082-1085 ISSN: 1803-1269

2016 [1] KREHEL, R., KRCHOVÁ, D., KOČIŠKO, M. Diagnostic analysis of cutting tools using a temperature sensor In: Key Engineering Materials Vol. 669 (2016), p. 382-390 ISSN: 1013-9826

2016 [1] VASILKO, K., MURCINKOVA, Z. Tool life extension methods for cut-off tools made of high-speed steel In: ICMEM 2016 : Procedia Engineering volume 149 : International Conference on Manufacturing Engineering and Materials : Nový Smokovec, Jun 06-10,2016 P. 520-525 ISSN: 1877-7058

2017 [1] PANDA, A. et al. Production from PLA materials processed vertically by FDM method RP technology In: Key Engineering Materials Vol. 756 (2017), p. 80-87 ISSN: 1013-9826

2017 [1] KREHEL, R., KOČIŠKO, M. Application of technical elements of the liquid crystal in the area of manufacturing operations In: Key Engineering Materials Vol. 756 (2017), p. 63-70 ISSN: 1013-9826

2018 [1] BOTKO, F. et al. Qualitative evaluation of machined surface of aluminum alloy AlCu4Mg1 depend on feed rate In: Manufacturing Technology Vol. 2018, no. 2 (2018), p. 201-207 ISSN: 1213-2489

2018 [1] MITAL, D. et al. Dependence of surface roughness on depth of cut for aluminum alloy AlCu4Mg1 In: Manufacturing Technology Vol. 18, no.2 (2018), p. 285-288 ISSN: 1213-2489

2018 [1] PANDA, Anton et al. Considering the strength aspects of the material selection for the production of plastic components using the FDM method In: MM Science Journal Vol. 2018, no. December (2018), p. 2669-2672 ISSN: 1803-1269

AEC006 [150029] **Analysis of the Damage Causes of High Speed Bearing Failure** / Vladimír Simkulec ... [et al.] - 2014. In: Applied Mechanics and Materials volume 616 : Operation and Diagnostics of Machines and Production Systems Operational States 2. - Zurich : TTP, 2014 P. 200-206. - ISBN 978-3-03835-201-3 - ISSN 1660-9336
[SIMKULET, Vladimír (25%) - KOČIŠKO, Marek (25%) - MITAĽOVÁ, Zuzana (25%) - FEČOVÁ, Veronika (25%)]

Ohlasy:

2016 [1] DOBRÁNSKY, J. et al. Optimization of the production and logistics processes based on computer simulation tools In: Key Engineering Materials Vol. 669 (2016), p. 532-540 ISSN: 1013-9826

2016 [1] PANDA, A. et al. Evaluation of vibration parameters under machining In: Key Engineering Materials Vol. 669 (2016), p. 228-234 ISSN: 1013-9826

2018 [1] MIHALČOVÁ, J. State of aircraft turboshaft engines by means of tribotechnical diagnostic In: International Journal of Turbo and Jet Engines Vol. 35, no. 1 (2018), p. 11-16 ISSN: 0334-0082

AFC - Publikované príspevky na zahraničných vedeckých konferenciách(8)

AFC001 [55088] **Mechanical properties of Fe-0,85Mo-Mn-C steels** / Marcela Selecká, Vladimír Simkulec - 2004. In: Euro PM2004. Volume 3. - [S.l. : s.n.], 2004 6 p.
[SELECKÁ, Marcela (50%) - SIMKULET, Vladimír (50%)]

Ohlasy:

2006 [3] BEISS, Paul: Alloy cost optimization of high strength Mn-Cr-Mo steels with kerosene-atomized master alloy. In: PowderMet2006 - International Conference on Powder Metallurgy Particulate Materials. San Diego : MPIF, 2006. P. 727-735.

2006 [3] SAINZ, Shandra - MARTÍNEZ, Vicente - DOUGAN, Mark: Sinterability, hardenability and mechanical properties of Mn-containing PM steels through the use of a specially designed Fe-Mn-C master alloy. In: PowderMet2006 - International Conference on Powder Metallurgy Particulate Materials. San Diego : MPIF, 2006. P. 624-637.

AFC003 [116983] **Mathematical modelling of the spray drying technological process** / Imrich Orlovsý ... [et al.] - 2011. In: Annals of DAAAM for 2011 & Proceedings of the 22nd International DAAAM Symposium on "Intelligent Manufacturing & Automation : Power of Knowledge and Creativity": 23-26th November 2011, Vienna, Austria. - Vienna : DAAAM International, 2011 P. 1067-1068. - ISBN 978-3-901509-83-4 - ISSN 1726-9679
[ORLOVSKÝ, Imrich (20%) - ZAJAC, Jozef (20%) - MONKA, Peter Pavol (20%) - MICHALIK, Peter (20%) - SIMKULET, Vladimír (20%)]

Ohlasy:

2013 [1] MONKOVÁ, K., FEČOVÁ, V., HUTYROVÁ, Z. Computer aid of mechanism behaviour In: Applied Mechanics and Materials Vol. 440 (2013), p. 182-187 ISSN: 1660-9336 ISBN: 978-303785902-5

2013 [1] MONKOVÁ, K. Surface roughness characteristics of polyamide APA after the turning by unconventional cutting tool In: Advanced Materials Research P. 263-268 ISSN: 1022-6680 ISBN: 978-303785678-9

2013 [1] DUPLÁK, Ján, HATALA, Michal, MICHALIK, Peter Durability analysis for selected cutting tools in machining process of steel 16mov6-3 In: Applied Mechanics and Materials Vol. 308 (2013), p. 133-139 ISSN: 1660-9336 ISBN: 978-303785656-7

2014 [1] STRAKA, L. FABIAN, S. Modelling of selected reliability indicators of prototype PAM equipment In: Applied Mechanics and Materials No. 460 (2014), p. 91-98 ISSN: 1660-9336 ISBN: 978-303785931-5

2014 [1] PANDA, Anton, DUPLÁK, Ján, VOROBEL, Tomáš et al. Study of the surface material AISI 304 usable for actuator after the process of turning In: Applied Mechanics and Materials Vol. 460 (2014), p. 107-114 ISSN: 1660-9336 ISBN: 978-303785931-5

2014 [1] DUPLÁK, Ján et al. Detail study and analysis of durability for selected cutting materials according to Taylors theory In: Key Engineering Materials Vol. 581 (2014), p. 3-8 ISSN: 1013-9826 ISBN: 978-303785840-0

2018 [1] DUPLÁK, Ján et al. Evaluation of Time Efficiency of High Feed Milling In: TEM Journal - Technology Education Management Informatics Vol. 7, no. 1 (2018), p. 13-18 ISSN: 2217-8309

AFC004 [117409] **Microhardness evaluation of steel EN S233J2G3 in heat affected zone after plasma ARC cutting** / Vladimír Simkulet ... [et al.] - 2011.In: Annals of DAAAM for 2011 & Proceedings of the 22nd International DAAAM Symposium on "Intelligent Manufacturing & Automation : Power of Knowledge and Creativity": 23-26th November 2011, Vienna, Austria. - Vienna : DAAAM International, 2011 P. 1103-1104. - ISBN 978-3-901509-83-4 - ISSN 1726-9679
[SIMKULET, Vladimír (20%) - HATALA, Michal (16%) - ORLOVSKÝ, Imrich (16%) - ZAJAC, Jozef (16%) - MONKA, Peter Pavol (16%) - MICHALIK, Peter (16%)]

Ohlasy:

2013 [1] MONKOVA, K., HLOCH, S. The dependency of the tool life on the cutting speed at the investigation of the tool with specific geometry In: Advanced Materials Research Vol. 622 (2013), p. 347-351 ISSN: 1022-6680

AFC008 [193375] **Assessment of deformation characteristics on CW004A copper influenced by acoustically enhanced water jet** / Dominika Lehocká, Vladimír Simkulet, Stanisław Legutko - 2018.In: Advances in Manufacturing : Lecture Notes in Mechanical Engineering : Manufacturing 2017. - Cham : Springer, 2018 P. 717-724. - ISBN 978-3-319-68619-6 Spôsob prístupu:
https://link.springer.com/chapter/10.1007%2F978-3-319-68619-6_69.
[LEHOCKÁ, Dominika (47%) - SIMKULET, Vladimír (47%) - LEGUTKO, Stanisław (6%)]

Ohlasy:

2018 [1] VENKATA SUBBAIAH, K., BABURAJA, K. Empirical modeling and optimization of kerf width in abrasive water jet machining - A short review In: International Journal of Engineering and Technology (UAE) Vol. 7, no. 4 (2018), p. 3238-3240 ISSN: 2227-524X

AFD - Publikované príspevky na domácich vedeckých konferenciách(18)

AFD006 [54567] **Vplyv mangánu na lomový povrch Fe-0.85Mo-xMn-0.3C spekaných ocelí** = Efect of manganese on fracture surface of Fe-0.85Mo-xMn-0.3C sintered steels / V. Simkulet - 2006.In: Fraktografia 2006. - Košice : ÚMV SAV, 2006 S. 465-468. - ISBN 8096854356
[SIMKULET, Vladimír (100%)]

Ohlasy:

2006 [4] BIDULSKÝ, R., RODZIŇÁK, D.: Vplyv spevňovania povrchu na únavové vlastnosti spekanej ocele na báze Fe legovanej Cr a Mo s príďavkom 0,5% C. In: Letná škola únavy materiálov '2006. Žilina : Žilinská univerzita, 2006. ISBN 80-8070-582-8, s. 172-175.

2007 [4] BIDULSKÝ, R., RODZÍNÁK, D.: Vplyv shot peeningu na únavové vlastnosti predlegovaných spekaných ocelí na báze Cr a Mo s prídavkom (0.3-0.7)% C. In: Materiálové inžinierstvo, 2007, roč. 14, č. 3, s. 57-59.

2008 [4] BIDULSKÝ, Róbert - KABÁTOVÁ, Margita - ACTIS-GRANDE, Marco: Hodnotenie efektívneho koeficientu difúzie mangánovej spekanej ocele. In: Výrobné inžinierstvo. Roč. 7, č. 4 (2008), s. 45-47. ISSN 1335-7972.

AFD008 [91091] **Skúšobné metódy využívané pri kontrole vlastností tlakových odliatkov** / Emil Ragan ... [et al.] - 2009. - 1 elektronický optický disk (CD-ROM).In: Nové trendy v prevádzke technických systémov '09 : 9. medzinárodná vedecká konferencia : Prešov, 5.-6.11.2009. - Prešov : FVT TU, 2009 S. 34-36. - ISBN 978-80-553-0311-6
[RAGAN, Emil (25%) - FEDÁK, Marcel (25%) - SIMKULET, Vladimír (25%) - ŠEBEJ, Peter (25%)]

Ohlasy:

2011 [3] STRAKA, Ľuboslav, ČORNÝ, Ivan Empirical approach to modeling of selected reliability indicators In: Scientific Papers : Operation and diagnostics of machines and production systems operational states P. 133-138 ISBN: 978-3-942303-10-1

BEF - Odborné práce v domácich nerecenzovaných zborníkoch (konferenčných aj nekonferenčných)(3)

BEF001 [132539] **The Possibility of Controlling of Designed Workplace Using Virtual Reality** / Veronika Fečová, Zuzana Hutyrová, Vladimír Simkulet - 2013.In: Konferencia IMAP 2013 : 4.4.2013, Prešov. - Prešov : FVT TU, 2013 S. 6-10. - ISBN 978-80-553-1401-3
[FEČOVÁ, Veronika (60%) - MITAĽOVÁ, Zuzana (20%) - SIMKULET, Vladimír (20%)]

Ohlasy:

2013 [1] MONKA, Peter, HLOCH, Sergej Technological process design and simulation In: Applied Mechanics and Materials Vol. 440 (2013), p. 188-193 ISSN: 1660-9336

2014 [1] MONKOVÁ, K. Virtual geometrical data definition of part with unspecified shape In: Advanced Materials Research Vol. 871 (2014), p. 369-372 ISSN: 1022-6680 ISBN: 978-303785967-4

2014 [1] HATALA, Miroslav, ORLOVSKÝ, Imrich, RADCHENKO, Svetlana Influence of welding parameters to quality of welds from structural steel In: Key Engineering Materials Vol. 581 (2014), p. 287-291 ISSN: 1013-9826 ISBN: 978-303785840-0