Prehľad citačných ohlasov
Autor: SLOTA, Ján
Dátum generovania výstupu: 11. 11. 2016, 14:04:14

ACB - Vysokoškolské učebnice vydané v domácich vydavateľstvách(2)

ACB001 [104595] **Rapid Prototyping a Reverse Engineering v strojárstve** / Ján Slota, Martin Mantič, Ivan Gajdoš - 1. vyd - Košice : TU - 2010. - 188 s. - ISBN 978-80-553-0548-6.
[SLOTA, Ján (34%) - MANTIČ, Martin (33%) - GAJDOŠ, Ivan (33%)]
Ohlasy:

1. 2013 [4] FABIAN, Michal Proces digitalizácie hmotného modelu automobilu na základe zoskenovaného "mračna bodov". In: ai magazine Roč. 6, č. 2 (2013), s. 88-90 ISSN: 1337-7612

2. 2013 [3] FABIAN, Michal Skenování a softwarová rekonstrukce nasnímaných dat In: CAD Vol. 23, no. 2 (2013), p. 38-41 ISSN: 1805-8418

3. 2012 [4] VARGA, Ján, DULEBA, Branislav Implementácia technológie FDM pri návrhu tvarovej vložky pre vstrekovaciu formu In: It-strojár Roč. 2012 (2012), s. 1-4 ISSN: 1338-0761

4. 2013 [4] FABIAN, Michal Prístupy pri návrhu tvarov karosérii automobilov 1 In: MOT'or Č. 7-8 (2013), s. 86-90 ISSN: 1336-4200

5. 2016 [1] PACANA, J. et al. Application of the reverse engineering in the manufacturing process In: ESPM 2015 : International Conference on Engineering Science and Production Management : 16-17 April 2015, Tatranska Strba, Slovakia P. 517-522 ISBN: 978-113802856-2

ADC - Vedecké práce v zahraničných karentovaných časopisoch(4)

ADC002 [125812] **Inhomogeneous plastic deformation of tinplates under uniaxial stress state** / Emil Spišák ... [et al.] - 2012.In: Chemické listy. Vol. 106, no. Symposia (2012), p. s537-s540. - ISSN 0009-2770 Spôsob prístupu: *www.chemicke-listy.cz*.
[SPIŠÁK, Emil (20%) - SLOTA, Ján (20%) - MAJERNÍKOVÁ, Janka (20%) - KAŠČÁK, Ľuboš (20%) - MALEGA, Peter (20%)]
Ohlasy:

1. 2013 [1] SZARKOVÁ, V. et al. Infulence of longitudinal cold rolling on the surface topography of low carbon structural steel In: Tehnički vjesnik Vol. 20, no. 4 (2013), p. 705-709 ISSN: 1330-3651

2. 2014 [1] HLEBOVÁ, S., AMBRIŠKO, L., PEŠEK, L. Strain measurement in local volume by non-contact videoextensometric technique on ultra high strength steels In: Key Engineering Materials Vol. 586 (2014), p. 129-132 ISSN: 1013-9826

3. 2014 [1] ZUBKO, P. et al. Changes in mechanical properties and microstructure after quasi-static and dynamic tensile loading In: Materials Science Forum Vol. 782 (2014), p. 215-218 ISSN: 0255-5476

4. 2014 [1] VALÍČEK, J., et al. Method of Maintaining the Required Values of Surface Roughness and Prediction of Technological Conditions for Cold Sheet Rolling In: Measurement Science Review Vol. 14, no. 3 (2014), p. 144-151 ISSN: 1335-8871

5. 2016 [1] PRISLUPČÁK, Marek, PANDA, Anton Comparison and analysis of the flow rate In: Key

Engineering Materials Vol. 669 (2016), p. 197-204 ISSN: 1013-9826

6. 2016 [1] PANDA, Anton, PRISLUPČÁK, Marek, JURKO, Jozef Vibration and experimental comparison of machining process In: Key Engineering Materials Vol. 669 (2016), p. 179-186 ISSN: 1013-9826

ADC003 [134361] **Failure analysis of overhead power line yoke connector** / Miroslav Džupon ... [et al.] - 2013.In: Engineering Failure Analysis. Vol. 33, October (2013), p. 66-74. - ISSN 1350-6307 Spôsob prístupu: *http://www.sciencedirect.com/science/article/pii/S135063071300160X*.
[DŽUPON, Miroslav (30%) - FALAT, Ladislav (30%) - SLOTA, Ján (30%) - HVIZDOŠ, Pavol (10%)]
Ohlasy:

1. 2014 [3] ARSIC, D., et al. Theoretical-experimental fracture anlysis of a responsible machine part In: Structural integrity and life Vol. 14, no. 2 (2014), p. 141-146 ISSN: 1451-3749

2. 2015 [1] MUCHA, J., WITKOWSKI, W. Mechanical Behavior and Failure of Riveting Joints in Tensile and Shear Tests In: Strength of materials Vol. 47, no. 5 (2015), p. 755-769 ISSN: 0039-2316

ADC004 [149142] **Erosive failure of steel pipeline by solid pulverized particles** / Eva Zdravecká, Ján Slota, Jana Tkáčová - 2014.In: Engineering Failure Analysis. Vol. 46 (2014), p. 18-25. - ISSN 1350-6307 Spôsob prístupu: *http://www.sciencedirect.com/science/article/pii/S1350630714002416*.
[ZDRAVECKÁ, Eva (40%) - SLOTA, Ján (30%) - TKÁČOVÁ, Jana (30%)]
Ohlasy:

1. 2015 [1] JING, J. et al. Local erosion behavior induced by sand blast for a square band of 304SS steel In: Corrosion Science and Protection Technology Vol. 27, no. 5 (2015), p. 437-443 ISSN: 1002-6495

2. 2016 [3] AGARWAL, Shubham, SUHANE, Amit PARAMETERS AFFECTING EROSION BEHAVIOUR IN A PULVERIZED FUEL PIPELINE – A REVIEW In: International Research Journal of Engineering and Technology Vol. 3, no. 4 (2016), p. 1216-1218 ISSN: 2395-0072

ADE - Vedecké práce v zahraničných nekarentovaných časopisoch(27)

ADE001 [0011106] **Ocena wlašciwošci plastycznych blach stalowych ocynowanych** / Emil Spišák, František Greškovič, Ján Slota - 1997.In: Rudy i metale nieželazne. Vol. 42, no. 11 (1997), p. 510-512.
[SPIŠÁK, Emil - GREŠKOVIČ, František - SLOTA, Ján]
Ohlasy:

1. 2005 [3] OGÓREK, Alina - STACOWICZ, Feliks: Determination of forming limits of thin aluminium sheets. In: Scientific Buletin : Fascicle Mechanics, Tribology, Machine Manufacturing Technology. Vol. 19, Serie C (2005). Dostupné aj na: www.nordtech.ubm.ro/issues/2005/2005.01.080.pdf. ISSN 1224-3264.

ADE002 [32241] **Investigation of biaxial stress-strain relationship of steel sheet metal** / J. Slota, E. Spišak, F. Stachowicz - 2004.In: Int. J. of Applied Mechanics and Engineering. Vol. 9, no. 1 (2004), p. 161-168. - ISSN 1425-1655
[SLOTA, Ján (34%) - SPIŠÁK, Emil (33%) - STACHOWICZ, Feliks (33%)]
Ohlasy:

1. 2009 [1] BILLUR, E., MAHABUNPHACHAI, S., KOC, M. Formability of austenitic stainless steels under warm hydroforming conditions In: Transactions of the North American Manufacturing Research Institution of SME : 37th Annual North American Manufacturing Research Conference, NAMRC 37 : Greenville, USA, 19-22 May 2009 Vol. 37 (2009), p. 241-348 ISSN: 1047-3025 ISBN: 978-087263862-4

2. 2009 [1] BILLUR, E., KOC, M.: A comparative study on hydraulic bulge testing and analysis methods. In: MSEC 2008 : proceedings of the ASME international manufacturing science and engineering conference 2008 : vol 1 : Oct 07-10, 2008 Evanston, IL. [New York : Amer soc mechanical engineers], 2009. P. 59-65. [ISBN 978-0-7918-4851-7].

ADE003 [40937] **Comparison of the forming-limit diagram (FLD) models for drawing quality (DQ) steel sheets** / J. Slota, E. Spišák - 2005.In: Metalurgija. Vol. 44, no. 4 (2005), p. 249-253. - ISSN 0543-5846
[SLOTA, Ján (50%) - SPIŠÁK, Emil (50%)]
Ohlasy:

1. 2005 [3] NEZAMI ESFAHLAN, H., ABBASNEJAD DIZAJI, Sh.: Experimental and numerical analysis for hydroforming of Ti6Al4V alloy used in aerospace, assisted by floating disk In: Journal of Applied Sciences Vol. 9, no. 16 (2011), p. 2925-2932 ISSN: 1812-5654

2. 2011 [1] DJAVANROODI, F., ABBASNEJAD, D.S., NEZAMI, E.H. Deep Drawing of Aluminum Alloys Using a Novel Hydroforming Tooling In: MATERIALS AND MANUFACTURING PROCESSES Vol. 26, no. 5 (2011), p. 796-801 ISSN: 1042-6914

3. 2012 [1] GHAZANFARI, A., ASSEMPOUR, A. A New Calibration Method for FLCs in the M-K Frame-Work In: Advanced Materials Research Vol. 341-342 (2012), p. 426-431 ISSN: 1022-6680 ISBN: 978-303785252-1

4. 2012 [1] GHAZANFARI , Amir , ASSEMPOUR , Ahmad Calibration of forming limit diagrams using a modified Marciniak-Kuczynski model and an empirical law In: Materials Design Vol. 34, no. 1(2012), p. 185-191 ISSN: 0261-3069

5. 2006 [3] ABBASI, F., PANTALE, O., ZGHAL, A. et al. Prediction of Sheet Metal Formability (FLD) By Using Diverse Method In: 3 European Conference on Computational Mechanics : Solids, Structures and Coupled Problems in Engineering : Book of Abstracts : June 5-8, 2006, Lisbon, Portugal P. 1-9 ISBN: 978-1-4020-4994-1

6. 2009 [1] NEZAMI ESFAHLAN, H., ABBASNEJAD DIZAJI, Sh., DJAVANROODI, F., Experimental and Numerical analysis for hydroforming of Ti6Al4V alloy used in Aerospace, assisted by floating disk In: Journal of Applied Sciences Vol. 9, no. 16 (2009), p. 2925-2932 ISSN: 1812-5654

7. 2012 [1] GHAZANFARI, A., ASSEMPOUR, A. A critical assessment of forming limit prediction models and beneficial modifications to them In: SAE Technical Papers : SAE 2012 : world congress and exhibition : Detroid, April 24-26, 2012 P. neuved

8. 2013 [3] GIPIELA, M. L., NIKHARE, C., MARCONDES, P. V. P. Experimental and Numerical Investigation of Hole Expansion on CPW800 Steel In: AIP Conference Proceedings : NUMISHEET 2014 : The 9th International Conference and Workshop on Numerical Simulation of 3D Sheet Metal Forming Processes : Melbourne, Australia, 6-10 January 2014 P. 406-409 ISSN: 0094-243X ISBN: 978-0-7354-1195-1

9. 2014 [1] OZTURK, F., TOROS, S., KILIC, S. Effects of anisotropic yield functions on prediction of forming limit diagrams of DP600 advanced high strength steel In: Procedia Engineering Vol. 81, no. C (2014), p. 760-765 ISSN: 1877-7058

10. 2007 [1] GANJIANI, M., ASSEMPOUR, A.: An improved analytical approach for determination of forming limit diagrams considering the effects of yield functions. In: Journal of Materials Processing Technology. Vol. 182, no. 1-3 (2007), p. 598-607. ISSN 0924-0136.

11. 2007 [4] STACHOWICZ, F., TRZEPIECINSKY, T.: Modification of multi-stage drawing process of

complex part. In: Technológia 2007. Bratislava : STU, 2007. S. 3-8. ISBN 978-80-227-2712-9.

12. 2008 [1] GANJIANI, M., ASSEMPOUR, A.: Implementation of a robust algorithm for prediction of forming limit diagrams. In: Journal of Materials Engineering and Performance. Vol. 17, no. 1 (2008), p. 1-6. ISSN 1059-9495.

13. 2008 [1] KORHONEN, A.S., MANNINEN, T.: Forming and fracture limits of austenitic stainless steel sheets. In: Materials Science and Engineering A-Structural Materials Properties Microstructure and Processing. Vol. 488, no. 1-2 (2008), p. 157-166. ISSN 0921-5093.

14. 2009 [3] KORHONEN, A.S., MANNINEN, T., YOON, J.-W.: On the forming and fracture limits of sheet metals. In: Computer methods in materials science. Vol. 9, no. 1 (2009), p. 143-147. ISSN 1641-8581.

15. 2007 [1] KORHONEN, A.S., MANNINEN, T., KANERVO, K.: On necking, fracture and localization of plastic flow in austenitic stainless steel sheets. In: Numiform '07 : Materials Processing and Design: Modeling, Simulation and Applications, Pts 1 and 2 : Book Series: AIP conference proceedings. Vol. 908 (2007), p. 93-98. ISSN 0094-243X.

16. 2010 [1] DJAVONROODI, F., DEROGAR, A.: Experimental and numerical evaluation of forming limit diagram for Ti6Al4V titanium and Al6061-T6 aluminum alloys sheets. In: Materials and Design. Vol. 31, no. 10 (2010), p. 4866-4875. ISSN 0261-3069.

17. 2014 [3] MALINOWSKI, T., BAK, L., FRACZ, W. Właściwości mechaniczne i krzywe odkształcalności granicznej blachy ze stopu AMS 5504 In: Wybrane zagadnienia i problemy z zakresu budowy maszyn : cz.1 P. 53-69 ISBN: 978-83-7199-952-6

18. 2015 [1] ADAMUS, J., DYJA, K., MOTYKA, M. Experimental and theoretical determination of forming limit curve In: Archives of Metallurgy and Materials Vol. 60, no. 3A (2015), p. 1881-1885 ISSN: 1733-3490

19. 2016 [1] XIONG, X.C. et al. Properties assessment of the first industrial coils of low-density duplex δ-TRIP steel In: Materials Science and Technology (United Kingdom) Vol. 32, no. 13 (2016), p. 1403-1408 ISSN: 0267-0836

20. 2014 [3] PAVAN KUMAR, K., MANOJ KUMAR, K., SUDHAKAR, U. Design for Manufacturability of Automotive Part Considering Formability and Springback In: International Journal of Mechanical Engineering Vol. 3, no. 6 (2014), p. 45-52 ISSN: 2319-2240

ADE004 [42269] **The influence of tandem mill reduction on double reduced (DR) tinplates anisotropy** / E. Spišák ... [et al.] - 2006.In: Metalurgija. Vol. 45, no. 1 (2006), p. 45-49. - ISSN 0543-5846 Spôsob prístupu: *http://pubwww.srce.hr/metallurg*.
[SPIŠÁK, Emil (25%) - SLOTA, Ján (25%) - KVAČKAJ, Tibor (25%) - BOBENIČ, Anton (25%)]
Ohlasy:

1. 2014 [3] FRĄCZ, Wies□ław et al. Formability of the AMS 5596 sheet in comparison with EDDQ steel sheet In: Journal of Mechanics Engineering and Automation Vol. 4, no. 1 (2014), p. 72-77 ISSN: 2159-5275

ADE005 [67691] **Determination of flow stress by the hydraulic bulge test** / J. Slota, E. Spišák - 2008.In: Metalurgija. Vol. 47, no. 1 (2008), p. 13-17. - ISSN 0543-5846 Spôsob prístupu: *http://pubwww.srce.hr/metallurg*.
[SLOTA, Ján (50%) - SPIŠÁK, Emil (50%)]
Ohlasy:

1. 2010 [1] SANTOS, A.D. et al. : On the determination of flow stress using bulge test and

mechanical measurement. In: NUMIFORM 2010 : 10th international conference on numerical methods in industrial forming processes : vols 1 and 2 : Pohang, South Korea, jun 13-17, 2010. P. 845-852. ISSN: 978-0-7354-0800-5

2. 2011 [1] KIM, J. et al. Determination of Uniaxial Flow Stress Curve Using Aero-Bulge Test for Very Thin Copper Sheet In: Advanced Materials Research Vol. 264-265 (2011), p. 608-613 ISSN: 1022-6680

3. 2011 [1] BAMBACH, Marcus Comparison of the Identifiability of Flow Curves from the Hydraulic Bulge Test by Membrane Theory and Inverse Analysis In: Key Engineering Materials Vol. 473 (2011), p. 360-367 ISSN: 1013-9826

4. 2010 [1] BEN OUIRANE, A.H. et al. Error evaluation on experimental stress-strain curve obtained from tube bulging test In: International Journal of Material Forming Vol. 3, no. suppl. 1 (2010), p. 195-198 ISSN: 1960-6206

5. 2011 [3] JANKOV, Emil, IVANOV, Alexandr, GAGOV, Valentin 3D deformation analysis of process hydraulic blow In: http://rapidprototype.uni-ruse.bg/ [cit. 2011-12-20]

6. 2011 [4] STACHOWICZ, Feliks Instantaneous Plastic Flow Properties of Thin Brass Sheets Under Uniaxial and Biaxial Testing In: Acta Mechanica Slovaca Roč. 15, č. 1 (2011), s. 22-26 ISSN: 1335-2393

7. 2012 [1] RODRIGUES, C.A., REIS, L.C., SAKHAROVA, N.A. et al. On the characterization of the plastic behaviour of sheet metals with bulge tests: Numerical simulation study In: ECCOMAS 2012 - 6th European Congress on Computational Methods in Applied Sciences and Engineering : Vienna, Austria, 10-14 September 2012 P. 4575-4589 ISBN: 978-395035370-9

8. 2013 [1] CHONGTHAIRUNGRUANG, B. et al. Springback prediction in sheet metal forming of high strength steels In: Materials and Design Vol. 50 (2013), p. 253-266 ISSN: 0261-3069

9. 2012 [1] MARTINS, B., SANTOS, A. D., TEIXEIRA, P. On the sutdy for accurate determination of flow curve using bulge test In: ICEM15 : 15th International Conference on Experimental Mechanics : Porto, Portugal, Jul 22-27, 2012 Art. no. UNSP 2975 ISBN: 978-972-8826-26-0

10. 2009 [1] BILLUR, E., KOC, M.: A comparative study on hydraulic bulge testing and analysis methods. In: MSEC 2008 : proceedings of the ASME international manufacturing science and engineering conference 2008 : vol 1 : Oct 07-10, 2008 Evanston, IL. [New York : Amer soc mechanical engineers], 2009. P. 59-65. [ISBN 978-0-7918-4851-7].

11. 2013 [1] MARTINS, Bruno et al. Determination of flow curve using bulge test and calibration of damage for Ito-Goya models In: Current state-of-the-art on Material Forming : Numerical and Experimental Approaches at Different Length-Scale, Pts 1-3, Key Engineering Materials P. 182-189 ISSN: 1013-9826

12. 2013 [1] LEE, J.Y. et al. Balanced Biaxial Testing of Advanced High Strength Steels in Warm Conditions In: Experimental Mechanics Vol. 53, no. 9 (2013), p. 1681-1692 ISSN: 0014-4851

13. 2009 [3] SANTOS, Abel D. et al. Developing a budlge tester for sheet metal stress-strain determination In: Proceedings : IRF´2009 : 3rd International conference on Integrity, Reliability and Failure : Porto, 20-24 July 2009 P. 1-10 ISBN: 978-972-8826-21-5

14. 2009 [3] HAILE, Mulugeta A., FALERIS, Jennifer., IFJU, Peter G. Determining multiaxial properties of porous viscoelastic membrane using bubble-inflation test In: SEM 2009 : annual conference and exposition of experimental and applied mechanics - experimental mechanics applied to failure : Albuquerque New Mexico, June 1-4, 2009 P. 1-10

15. 2014 [1] CAMPOS, Hugo et al. Hydraulic bulge test for stress-strain curve determination and damage calibration for Ito-Goya model In: WCCM 11 : proceeding of 11th World Congress on Computational Mechanics : July 20-25, 2014, Barcelona P. 1-14 ISBN: 978-84-942844-7-2

16. 2011 [3] TOMOV, B. et al. Research highligths of sheet metal testing by hydraulic bulging In: Journal of Achievements in Materials and Manufacturing Engineering Vol. 46, no. 1 (2011), p. 65-70 ISSN: 1734-8412

17. 2011 [1] VOLK, W., HEINLE, I., GRASS, H. Accurate determination of plastic yield curves and an approximation point for the plastic yield locus with the bulge test In: Proceedings of the 10th International Conference on Technology of Plasticity, ICTP 2011 : 10th International Conference on Technology of Plasticity, ICTP 2011 : 25-30 September 2011, Aachen, Germany P. 799-804 ISBN: 978-351400784-0

18. 2014 [3] AMMAR, Salem A., CHITKARA, N.R., SAIED, Ramadan O. HYDROSTATIC BULGING OF ELIPTICAL SINGLE AND LAMENATED SHEET METALS In: Engineering Research Journal No. 19 - March 2014 (2014), p. 17-28

19. 2015 [1] MIHALIKOVÁ, M., NÉMET, M., GIRMAN, V. DP 600 steel research of dynamic testing In: Metalurgija Vol. 54, no. 1 (2015), p. 211-213 ISSN: 0543-5846

20. 2015 [1] CAI, G. et al. Research on the effect of flow stress calculation on aluminum alloy sheet deformation behavior based on warm bulging test In: METALS AND MATERIALS INTERNATIONAL Vol. 21, no. 2 (2015), p. 365-373 ISSN: 1598-9623

21. 2015 [3] AMARAL, R., SANTOS, A.D., LOPES, A.B., et al. Determinacao da curva de encruamento usando o ensaio uniaxial de tracao e o ensaio hidraulico de expansao biaxial - aplicacao AOS ACOS DP500, DP600 E DP780 In: Congresso de Metodos Numericos em Engenharia : Lisboa : 29 de Julho a 2 de Julho 2015 P. 244-246 ISBN: 978-989-99410-1-4

22. 2015 [1] LIU, K., LANG, L., CAI, G. et al. A novel approach to determine plastic hardening curves of AA7075 sheet utilizing hydraulic bulging test at elevated temperature In: International Journal of Mechanical Sciences Vol. 100, no. August (2015), p. 328-338 ISSN: 0020-7403

23. 2015 [1] SCHNEIDER, R., et al. Constitutive flow curve approximation of commercial aluminium alloys at low temperatures In: Materials Design Vol. 88 (2015), p. 659-666 ISSN: 0264-1275

24. 2016 [1] REIS, L.C. et al. On the determination of the work hardening curve using the bulge test In: International Journal of Mechanical Sciences Vol. 105 (2016), p. 158-181 ISSN: 0020-7403

25. 2016 [1] YAN, Y. et al. Finite Element Simulation of Flexible Roll Forming with Supplemented Material Data and the Experimental Verification In: Chinese Jornal of Mechanical Engineering Vol. 29, no. 2 (2016), p. 342-350 ISSN: 1000-9345

26. 2016 [3] REIS, R.C. et al. Inverse Identification of the Swift law parameters using the bulge test In: International Journal of Material Forming DOI 10.1007/s12289-016-1296-5 ISSN: 1960-6206

ADE006 [75575] **The application of rapid prototyping, CAE and CAM methods in product development processes** / Ján Slota, Ivan Gajdoš - 2008.In: Scientific Bulletins of Rzeszów University of Technology. No. 253 (2008), p. 251-256. - ISSN 0209-2689
[SLOTA, Ján (50%) - GAJDOŠ, Ivan (50%)]
Ohlasy:

1. 2010 [1] OLEKSY, Mariusz - HENECZKOWSKI, Maciej - BUDZIK, Grzegorz Application of computer simulation of thermoset resins casting in rapid prototyping techniques In: Polimery Vol.

55, no. 11-12 (2010), p. 895-898 ISSN: 0032-2725

2. 2009 [3] BUDZIK, Grzegorz et al.: CMM application for geometrical analysis of SLA, 3DP and CNC gears prototypes. In: PRO-TECH-MA 2009. Proceedings of the extended abstracts : international scientific conference : Rzeszów - Bezmiechowa, Poland, 6th July - 8th July 2009. Rzeszów : University of technology, 2009. P. 26-31. ISBN 978-83-7199-546-0.

3. 2009 [3] PLOCICA, Mieczysław - BUDZIK, Grzegorz: Design of new conceptions of gears with atypical tooth profile with CAD and RP techniques using. In: PRO-TECH-MA 2009. Proceedings of the extended abstracts : international scientific conference : Rzeszów - Bezmiechowa, Poland, 6th July - 8th July 2009. Rzeszów : University of technology, 2009. P. 218-223. ISBN 978-83-7199-546-0.

4. 2009 [3] BUDZIK, G., MARKOWSKI, T., SOBOLAK, M.: Tooth contact analysis of hypoid gear transmission prototypes manufacturing with wacuum casting methods. In: Journal of KONES Powertrain and Transport. Vol. 16, no. 3 (2009). ISSN 1231-4005.

5. 2009 [3] PLOCICA, M., BUDZIK, G.: Projektowanie nowych rodzajów przekladni zebatych o nietypowych zarysach zebów z uzyciem technik CAD oraz RP. In: Zeszyty naukowe politechniki Rzeszovskiej : Mechanika. Vol. 269, no. 77 (2009), p. 63-70. ISSN 0209-2689.

ADE007 [92794] **Modern approaches in development of plastic products** / Ján Slota, Emil Spišák, Ivan Gajdoš - 2009.In: Journal for technology of plasticity. Vol. 34, no. 1-2 (2009), p. 97-104. - ISSN 0354-3870
[SLOTA, Ján (34%) - SPIŠÁK, Emil (33%) - GAJDOŠ, Ivan (33%)]
Ohlasy:

1. 2014 [1] STEPIEN, K. In situ measurement of cylindricity—Problems and solutions In: Precision Engineering Vol. 38, no. 3 (2014), p. 697-701 ISSN: 0141-6359

ADE013 [108499] **The application of optical measurements for the determination of accuracy of gear wheels casts manufactured in the RTRP process** / Grzegorz Budzik ... [et al.] - 2010.In: Archives of Foundry Engineering. Vol. 10, no. 1 (2010), p. 395-398. - ISSN 1897-3310
[BUDZIK, Grzegorz (20%) - OLEXY, Mariusz (16%) - GRZELKA, M. (16%) - WIECZOROWSKI, M. (16%) - MAGNISZEWSKI, M. (16%) - SLOTA, Ján (16%)]
Ohlasy:

1. 2014 [1] GÜNTHER, D., et al. Continuous 3D-printing for additive manufacturing In: Rapid Prototyping Journal Vol. 20, no. 4 (2014), p. 320 - 327 ISSN: 1355-2546

2. 2016 [1] KHALIL, W. Validation of cone beam computed tomography-based tooth printing using different three-dimensional printing technologies In: Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology Vol. 121, no. 3 (2016), p. 307-315 ISBN: 2212-4403

ADE014 [108501] **The scope of application of incremental rapid prototyping methods in foundry engineering** / M. Stankiewicz ... [et al.] - 2010.In: Archives of Foundry Engineering. Vol. 10, no. 1 (2010), p. 405-410. - ISSN 1897-3310
[STANKIEWICZ, M. (16%) - BUDZIK, Grzegorz (14%) - PATRZALEK, M. (14%) - WIECZOROWSKI, M. (14%) - GRZELKA, M. (14%) - MATYSIAK, H. (14%) - SLOTA, Ján (14%)]
Ohlasy:

1. 2012 [1] LEMU, H. G. Study of capabilities and limitations of 3D printing technology In: AIP Conference Proceedings : 4th Manufacturing Engineering Society International Conference, MESIC 2011 : Cadiz, Spain, 21-23 September 2012 Vol. 1431 (2012), p. 857-865 ISSN: 0094-243X ISBN: 978-073541017-6

2. 2012 [1] LEMU, H. G., KURTOVIC, S. 3D printing for rapid manufacturing: Study of dimensional and geometrical accuracy In: IFIP Advances in Information and Communication Technology : IFIP WG 5.7 International Conference on Advances in Production Management Systems, Value Networks: Innovation, Technologies, and Management, APMS 2011 : Stavanger, Norway, 26-28 September 2012 Vol. 384 AICT (2012), p. 470-479 ISSN: 1868-4238 ISBN: 978-364233979-0

3. 2012 [3] MEISEL, Nicholas A. - WILLIAMS, Christopher B. - DRUSCHITZ, Alan Lightweight metal cellular structures via indirect 3D printing and casting In: Solid Freeform Fabrication Symposium 2012 : August 6-8, 2012, Austin, Texas [online] P. 162-176

4. 2015 [1] SNELLING, D., et al. Lightweight Metal Cellular Structures Fabricated via 3D Printing of Sand Cast Molds In: Advanced Engineering Materials Vol. 17, no. 7 (2015), p. 923-932 ISSN: 1438-1656

5. 2013 [1] ZHU, P., et al. Progress of rapid technology without mold in precision sand casting In: Special Casting and Nonferrous Alloys Vol. 33, no. 2 (2013), p. 136-140 ISSN: 1001-2249

6. 2014 [3] SNELLING, D., WILLIAMS, Ch., DRUSCHITZ, A. A comparison of binder burnout and mechanical characteristics of printed and chemically bonded sand molds In: International Solid Freeform Fabrication Symposium Vol. 25 (2014), p. 197-209

ADE016 [126612] **Springback prediction in sheet metal forming processes** / Ján Slota, Miroslav Jurčišin - 2012.In: Journal for technology of plasticity. Vol. 37, no. 1 (2012), p. 93-103. - ISSN 0354-3870 Spôsob prístupu: *http://www.ftn.uns.ac.rs/JTP/Download/2012/1/Article9.pdf*.
[SLOTA, Ján (50%) - JURČIŠIN, Miroslav (50%)]
Ohlasy:

1. 2014 [1] PRAKASAM, S., THANGAVEL, P. Springback effect prediction in wipe bending process of sheet metal using GA-ANN with cauchy mutation approach In: International Journal of Applied Engineering Research Vol. 9, no. 23 (2014), p. 20171-20188 ISSN: 0973-4562

2. 2016 [3] PRAKASAM, S., THANGAVEL, P. OABC_ANN TECHNIQUE FOR SPRINGBACK EFFECT PREDICTION IN WIPE BENDING PROCESS OF SHEET METAL In: International Journal of Advanced Engineering Technology Vol. 7, no. 1 (2016), p. 46-53 ISSN: 0976-3945

ADE017 [129262] **Experimental and numerical prediction of springback in V-bending of anisotropic sheet metals for automotive industry** / Ján Slota, Miroslav Jurčišin - 2012.In: Zeszyty Naukowe Politechniki Rzeszowskiej: Mechanika. Vol. 84, no. 3 (2012), p. 55-68. - ISSN 0209-2689 Spôsob prístupu: *http://www.oficyna.portal.prz.edu.pl/gfx/oficyna/files/zeszyty_naukowe/wbmil/2012/mechanika-z-84-3-12-pw.pdf*.
[SLOTA, Ján (50%) - JURČIŠIN, Miroslav (50%)]
Ohlasy:

1. 2013 [3] BIRADAR, A., DESHPANDE, M.D. Finite Element Analysis of Springback of a Sheet Metal in Wipe Bending Process In: International Journal of Science and Research (IJSR) Vol. 3, no. 7 (2013), p. 852-858 ISSN: 2319-7064

ADE018 [130123] **Experimental and numerical analysis of the deep drawing process using optical measuring system** / Ján Slota, Miroslav Jurčišin - 2012.In: Zeszyty Naukowe Politechniki Rzeszowskiej. Vol. z. 84 (4/12), no. 284 (2012), p. 37-45. - ISSN 0209-2689 Spôsob prístupu: *http://www.oficyna.portal.prz.edu.pl/gfx/oficyna/files/zeszyty_naukowe/wbmil/2012/mech-4-12-pw.pdf*.
[SLOTA, Ján (50%) - JURČIŠIN, Miroslav (50%)]
Ohlasy:

1. 2016 [3] CISNEROS, Juan Carlos- ANGEL, Isaias Angel Simulation of tube hydroforming process using bidimensional finite element analysis with HyperWorks In: International Journal of Innovative Science, Engineering Technology Vol. 3, no. 5 (2016), p. 329-334 ISSN: 2348-7968

ADE024 [142986] **Experimental and numerical analysis of springback prediction in U-bendings of anisotropic sheet metals** / Ján Slota, Miroslav Jurčišin, Milan Dvořák - 2013.In: Zeszyty Naukowe Politechniki Rzeszowskiej: Mechanika 85. Vol. 30, no. 4 (2013), p. 525-533. - ISSN 0209-2689
[SLOTA, Ján (50%) - JURČIŠIN, Miroslav (45%) - DVOŘÁK, Milan (5%)]
Ohlasy:

1. 2014 [3] SISWANTO, Waluyo Adi et al. An alternate method to springback compensation for sheet metal forming In: The Scientific World Journal Vol. 2014, Article ID 301271 (2014), p. 1-13 ISSN: 2356-6140

2. 2014 [3] KUMAR, M., GUPTA, A.K., SHRIVASTAV, R. Development of Physical Modeling Technique to find out the Mean value of Avoidable Fault in Sheet Metal Forming Tools In: International Journal of Innovation in Engineering Research and Management Vol. 1, no. 4 (2014), p. 1-12 ISSN: 2348-4918

ADF - Vedecké práce v domácich nekarentovaných časopisoch(39)

ADF005 [0011538] **Matematický popis vplyvu podmienok strihania na kvalitu strižnej plochy** / František Greškovič, Emil Spišák, Ján Slota - 1999.In: Acta Mechanica Slovaca. Roč. 3, č. 4 (1999), s. 81-84. - ISSN 1335-2393
[GREŠKOVIČ, František - SPIŠÁK, Emil - SLOTA, Ján]
Ohlasy:

1. 2008 [3] FRACZ, W. et al.: Experimental investigation of blanking process using TiN coated tool materials. In: Kovárenství. No. 33 (2008) p. 124-126. ISSN 1213-9289.

2. 2008 [3] FRĄCZ, W. et al.: Experimental investigation of blanking process using TiN coated tool materials. In: Kovárenství. No. 33 (2008), p. 124-126. ISSN 1213-9289.

3. 2001 [4] MIHOK, J.: Kritéria hodnotenia trvanlivosti postupových strižných nástrojov na výrobu výstrižkov pre rotorové a sttorové zväzky elektromotorov. In: Acta Mechanica Slovaca. Roč. 5, č. 4 (2001), s. 109-114. ISSN 1335-2393.

ADF010 [18354] **Tlakové spájanie materiálov** / Emil Spišák ... [et al.] - 2002.In: Transfer inovácií. 5/2002. - Košice : TU-SjF, 2002 S. 21-23. - ISBN 8070999527
[SPIŠÁK, Emil (25%) - KAŠČÁK, Ľuboš (25%) - GREŠKOVIČ, František (25%) - SLOTA, Ján (25%)]
Ohlasy:

1. 2007 [4] KAŠČÁK, Ľ., SPIŠÁK, E.: Tlakové spájanie materiálov roznych hrúbok a akostí. In: Transfer inovácií [online]. Č. 10 (2007), s. 96-98. ISSN 1337-7094.

2. 2005 [4] KAŠČÁK, Ľ.: Nové metódy tlakového spájania materiálov. In: Transfer inovácií [online]. Č. 8 (2005, s. 99-100. ISSN 1337-7094.

ADF014 [26569] **Vplyv deformácie a korózneho prostredia na Zn povlaky** / Emil Spišák ... [et al.] - 2003.In: Výrobné inžinierstvo. Roč. 2, č. 1 (2003), s. 27-31. - ISSN 1335-7972
[SPIŠÁK, Emil (25%) - CHOMJAKOVÁ, Iveta (25%) - SLOTA, Ján (25%) - STACHOWICZ, Feliks (25%)]

Ohlasy:

1. 2010 [1] BURSAK, M., MICHEL, J. Influence of the strain rate on the mechanical and technological properties of the steel sheets In: Metalurgija Vol. 49, no. 4 (2010), p. 317-320 ISSN: 0543-5846

ADF015 [36977] **Analýza pevnosti spojov vytvorených bodovým odporovým zváraním a tlakovým spájaním** / Emil Spišák, Ľuboš Kaščák, Ján Slota - 2003.In: Acta Mechanica Slovaca. Roč. 7, č. 2 (2003), s. 45-50. - ISSN 1335-2393
[SPIŠÁK, Emil (34%) - KAŠČÁK, Ľuboš (33%) - SLOTA, Ján (33%)]
Ohlasy:

1. 2007 [3] MUCHA, Jacek Klasyfikacja oraz charakterystyka polaczen nitowanych bezotworowo In: Technologia i automatyzacja montazu No. 4 (58) (2007), p. 7-10 ISSN: 1230-7661

2. 2007 [3] MUCHA, Jacek Współczesne techniki łączenia cienkich blach – zaciskanie przez wytłaczanie (Clinching) In: Mechanik Vol. 80, no. 11 (2007), p. 932 ISSN: 0025-6552

3. 2007 [3] MUCHA, J.: Modern mechanical on press joinability techniques foe sheet metal elements. In: PRO-TECH-MA 07. Rzeszow, Wydawnicza Politechniki Rzeszowskiej 2007. P. 105-113. ISBN 978-83-7199-443-2.

ADF016 [52943] **Simulácia deformovania plastových výliskov v procese vstrekovania plastov** / Ivan Gajdoš ... [et al.] - 2006.In: Acta Mechanica Slovaca. Roč. 10, č. 2B (2006), s. 129-134. - ISSN 1335-2393
[GAJDOŠ, Ivan - SPIŠÁK, Emil - BUDAY, Ján - SLOTA, Ján]
Ohlasy:

1. 2010 [1] ADAMCZAK, Stanisław - MAKIEŁA, Włodzimierz - STĘPIEŃ , Krzysztof Investigating advantages and disadvantages of the analysis of a geometric surface with the use of fourier and wavelet transform In: Metrology and Measurement Systems Vol. 17, no. 2 (2010), p. 233-244 ISSN: 0860-8229

2. 2014 [1] STĘPIEŃ, Krzysztof Research on a surface texture analysis by digital signal processing methods In: Tehnički vjesnik Vol. 21, no. 3 (2014), p. 485-493 ISSN: 1330-3651

3. 2007 [3] SMUSZ, R., FRACZ, W.: The idea of the dynamic cooling with the initial heating. In: Progressive Technologies and Materials. Rzeszów 2007. P. 101-113. ISBN 978-83-7199-446-3.

4. 2007 [3] ZIOBRO, J.: The Fem analysis of injection moulds to elastomers. In: PRO-TECH-MA 07. Rzeszow, Oficyna Wydawnicza Politechniki Rzeszowskiej 2007. P. 235-241. ISBN 978-83-7199-443-2.

ADF017 [52944] **Integrácia Rapid prototypig-u a CAE metód pri návrhu súčiastok** / Ján Slota ... [et al.] - 2006.In: Acta Mechanica Slovaca. Roč. 10, č. 2B (2006), s. 363-368. - ISSN 1335-2393
[SLOTA, Ján (25%) - GAJDOŠ, Ivan (25%) - SPIŠÁK, Emil (25%) - GREŠKOVIČ, František (25%)]
Ohlasy:

1. 2010 [1] BUDZIK, G. et al. Selection of measuring strategy for gear wheels produced by rp methods In: Advances in Coordinate Metrology : 9th International Science Conference Coordinate Measuring Technique : Bielsko-Biala, April 14-16, 2010 P. 407-414 ISBN: 978-836229256-1

2. 2010 [1] BUDZIK, G. et al. Application of the coordinate measuring technique for the determination of accuracy of gear wheels produced by selected incremental rapid prototyping methods In: Advances in Coordinate Metrology : 9th International Science Conference Coordinate Measuring Technique : Bielsko-Biala, April 14-16, 2010 P. 399-406 ISBN: 978-836229256-1

3. 2007 [3] SMUSZ, R., FRACZ, W.: The idea of the dynamic cooling with the initial heating. In: Progressive Technologies and Materials. Rzeszów 2007. P. 101-113. ISBN 978-83-7199-446-3.

ADF024 [87327] **Estimating of yield stress of double reduced tinplates** / Emil Spišák, Ján Slota - 2009.In: Acta Mechanica Slovaca. Roč. 13, č. 2 (2009), s. 16-21. - ISSN 1335-2393
[SPIŠÁK, Emil (50%) - SLOTA, Ján (50%)]
Ohlasy:

1. 2014 [1] ILLERA, M. et al. Document Characterization of electrolytic tinplate materials via combined finite element and regression models In: Journal of Strain Analysis for Engineering Design Vol. 49, no. 6 (2014), p. 467-480 ISSN: 0309-3247

ADF025 [93531] **Oceľové plechy na výrobu obalov** / Emil Spišák, Janka Majerníková, Ján Slota - 2009.In: Strojárstvo. Roč. 14, č. 2 (2009), s. 78/4-79/5. - ISSN 1335-2938
[SPIŠÁK, Emil (34%) - MAJERNÍKOVÁ, Janka (33%) - SLOTA, Ján (33%)]
Ohlasy:

1. 2013 [3] DANESHJO, Naqib et al. Návrh zkušebního zařízení pro zkoušení odlučovacích mříži zpracovaný do 3D podoby CAD programem CATIA (II.část) In: CAD Vol. 23, no. 3 (2013), p. 32-34 ISSN: 1805-8418

ADF027 [115933] **Determination of forming - limit diagrams considering various models for steel sheets** / Ján Slota, Emil Spišák - 2011.In: Acta Mechanica Slovaca. Roč. 15, č. 1 (2011), s. 56-62. - ISSN 1335-2393
[SLOTA, Ján (50%) - SPIŠÁK, Emil (50%)]
Ohlasy:

1. 2013 [1] FRACZ, W. et al. Forming limit diagram of the AMS 5599 sheet metal In: Archives of Metallurgy and Materials Vol. 58, no. 4 (2013), p. 1213-1217 ISSN: 1733-3490

2. 2013 [3] FRĄCZ, Wiesław et al. Formability of the austenitic nickel- base super alloy AMS 5596 sheet in comparison with extra deep drawing quality steel sheet In: APM 2013 : proceedings of Summer School-Conference “Advanced Problems in Mechanics 2013" : July 1-6, 2013, St. Petersburg, Russia P. 91-97 ISSN: 2312-9921

3. 2014 [3] FRĄCZ, Wiesław et al. Formability of the AMS 5596 sheet in comparison with EDDQ steel sheet In: Journal of Mechanics Engineering and Automation Vol. 4, no. 1 (2014), p. 72-77 ISSN: 2159-5275

ADF031 [124893] **Optical measuring of 3D deformation in sheet metal forming** / Emil Spišák ... [et al.] - 2011.In: Acta Mechanica Slovaca. Roč. 15, č. 4 (2011), s. 74-80. - ISSN 1335-2393
[SPIŠÁK, Emil (20%) - SLOTA, Ján (20%) - TOMÁŠ, Miroslav (20%) - EVIN, Emil (20%) - MAJERNÍKOVÁ, Janka (20%)]
Ohlasy:

1. 2013 [4] FABIAN, Michal, BOSLAI, Róbert Nedávna minulosť zavádzania CAD systémov do praxe a výučby In: Ai magazine Roč. 7, č. 2 (2013), s. 80-83 ISSN: 1337-7612

2. 2014 [3] FABIAN, Michal, BOSLAI, Róbert Zkušenosti s výukou CAD systému 2. In: CAD Vol. 24, no. 2 (2014), p. 40-45 ISSN: 1805-8418

3. 2013 [4] FABIAN, Michal, STROHMANDL, Jan, BOSLAI, Róbert et al. The History Of The

Introduction Of Cad Systems Into Practice And Teaching In Engineering In: Transport and Logistics [online] Roč. 13, č. 29 (2013), s. 1-8 ISSN: 1451-107X

ADF035 [128764] **Numerical and experimental springback determination of sheet metals in an air bending process** / Ján Slota, Miroslav Jurčišin, Emil Spišák - 2012.In: Acta Metallurgica Slovaca. Roč. 18, č. 4 (2012), s. 200-209. - ISSN 1335-1532
[SLOTA, Ján (34%) - JURČIŠIN, Miroslav (33%) - SPIŠÁK, Emil (33%)]
Ohlasy:

1. 2014 [1] BUANG, M.S., ABDULLAH, S.A., SAEDON, J. An overview of the impacts of material parameters on springback In: Applied Mechanics and Materials Vol. 564 (2014), p. 323-326 ISSN: 1660-9336

2. 2014 [1] BUANG, M.S., ABDULLAH, S.A., SAEDON, J. Simulation and experimental investigation of springback in air V- bending process using finite element method (FEM) In: Applied Mechanics and Materials Vol. 680 (2014), p. 292-296 ISSN: 1660-9336

3. 2015 [2] LIŠKOVÁ, A., et al. Mechanical properties laser welding automotive steel sheets In: Acta Metallurgica Slovaca Roč. 21, č. 3 (2015), s. 195-202 ISSN: 1335-1532

4. 2015 [3] SUYUTI, Muhammad Arsyad, NUR, Rusdi, ASMEATI The Influence of Punch Angle on the Spring Back during V-Bending of Medium Carbon Steel In: Advanced Materials Research Vol. 1125 (2015), p. 157-160 ISSN: 1662-8985

ADM - Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS(7)

ADM001 [132992] **Influence of printing conditions on structure in FDM prototypes** / Ivan Gajdoš, Ján Slota - 2013.In: Tehnički vjesnik - Technical Gazette. Vol. 20, no. 2 (2013), p. 231-236. - ISSN 1330-3651 Spôsob prístupu: *http://hrcak.srce.hr/index.php?show=clanak&id_clanak_jezik=147569&lang=en*.
[GAJDOŠ, Ivan (50%) - SLOTA, Ján (50%)]
Ohlasy:

1. 2014 [1] NOVÁKOVÁ-MARCINČINOVÁ, Ľ., NOVÁK-MARCINČIN, J. Production of composite material by FDM rapid prototyping technology In: Applied Mechanics and Materials Vol. 474 (2014), p. 186-191 ISSN: 1660-9336 ISBN: 978-303785944-5

2. 2014 [1] KRÓLCZYK, Grzegorz, RAOS, Pero, LEGUTKO, Stanisław Experimental analysis of surface roughness and surface texture of machined and fused deposition modelled parts In: Tehnicki Vjesnik Vol. 21, no. 1 (2014), p. 217-221 ISSN: 1330-3651

3. 2014 [1] ROKICKI, Pawel et al. Rapid prototyping in manufacturing of core models of aircraft engine blades In: Aircraft Engineering and Aerospace Technology Vol. 86, no. 4 (2014), p. 323-327 ISSN: 0002-2667

4. 2015 [1] RAO, Prahalad, ROBERSON, David, LIU, Jia, et al. Sensor-based online process fault detection in additive manufacturing In: ASME 2015 International Manufacturing Science and Engineering Conference : Charlotte : United States : 8-12 June 2015 ISBN: 978-079185683-3

5. 2015 [3] PARK, Sang-in, ROSEN W., David QUANTIFYING MECHANICAL PROPERTY DEGRADATION OF CELLULAR MATERIAL USING AS-FABRICATED VOXEL MODELING FOR THE MATERIAL EXTRUSION PROCESS In: Solid Freeform Fabrication (SFF) Symposium P. 1070-1091

6. 2015 [1] MONZEL, W. J. et al. Dielectric Breakdown of Additively Manufactured Polymeric Materials In: IEEE Transactions on Dielectrics and Electrical Insulation Vol. 22, no. 6 (2015), p. 3543-3549 ISSN: 1070-9878

7. 2015 [3] DE NOON, Ayanna-Rene - FAHRAZ, Ali - CHOWDARY, Boppana V. Analysis of part quality produced by a fused deposition modelling machine a pragmatic study In: Analysis of part quality produced by a fused deposition modelling machine: a pragmatic study Vol. 5, no. 3-4 (2015), p. 234-252 ISSN: 1757-8817

8. 2016 [1] ROKICKI, P. et al. Manufacturing of aircraft engine transmission gear with SLS (DMLS) method In: AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY Vol. 88, no. 3(2016) p. 397-403 ISSN: 1748-8842

9. 2016 [1] ROKICKI, P. et al. The assessment of geometric accuracy of aircraft engine blades with the use of an optical coordinate scanner In: AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY Vol.88, no. 3(2016), p. 374-381 ISSN: 1748-8842

10. 2016 [3] PARK, Sang-in, ROSEN, David W. Quantifying effects of material extrusion additive manufacturing process on mechanical properties of lattice structures using as-fabricated voxel modeling In: Additive Manufacturing p. 1-9 (2016) ISSN: 2214-8604

ADM002 [138589] **The Sensitivity of a Photogrammetric Method in Formability Analysis** / Ján Slota ... [et al.] - 2013.In: Acta Mechanica et Automatica. Vol. 7, no. 2 (2013), p. 117-123. - ISSN 1898-4088 Spôsob prístupu: *http://www.acta.mechanica.pb.edu.pl/volume/vol7no2/SLOTA_JURCISIN_GAJDOS_SPISAK_2013_053.pdf*.
[SLOTA, Ján (25%) - JURČIŠIN, Miroslav (25%) - GAJDOŠ, Ivan (25%) - SPIŠÁK, Emil (25%)]
Ohlasy:

1. 2015 [1] KUT, S., NIEDZIALEK, B. Numerical and experimental analysis of the process of aviation drawpiece forming using rigid and rubber punch with various properties In: Archives of Metallurgy and Materials Vol. 60, no. 3A (2015), p. 1923-1928 ISSN: 1733-3490

ADM003 [144182] **Optimization of FDM Prototypes Mechanical Properties with Path Generation Strategy** / Emil Spišák, Ivan Gajdoš, Ján Slota - 2014.In: Applied Mechanics and Materials. No. 474 (2014), p. 273-278. - ISBN 978-3030785944-5 - ISSN 1660-9336 Spôsob prístupu: *http://www.scientific.net/AMM.474.273*.
[SPIŠÁK, Emil (34%) - GAJDOŠ, Ivan (33%) - SLOTA, Ján (33%)]
Ohlasy:

1. 2015 [1] JURČIŠIN, Miroslav, BLAŽO, Marek, SLOTA, Ján Optical investigation of 3D prints behavior under compressive load In: EAN 2015 - 53rd Conference on Experimental Stress Analysis : Český Krumlov : 1-4 June 2015 P. 165-166 ISBN: 978-800105734-6

2. 2016 [1] LIPINA, J., KRYS, V. Application of rapid prototyping technology in designing robots and peripheral devices In: MM Science Journal Vol. 2016, no. March (2016), p. 856-861 ISSN: 1803-1269

ADM004 [146725] **Change of ears creation of AHSS steels after heat treatment of zinc coating** / Emil Spišák, Janka Majerníková, Ján Slota - 2014.In: Metalurgija. Vol. 53, no. 4 (2014), p. 473-476. - ISSN 0543-5846
[SPIŠÁK, Emil (34%) - MAJERNÍKOVÁ, Janka (33%) - SLOTA, Ján (33%)]
Ohlasy:

1. 2015 [1] MICHEĽ, J., BURŠÁK, M., LACKOVÁ, P. Influence of the strain rate and heat treatment on the mechanical properties of steel sheets In: Key Engineering Materials Vol. 635 (2015), p.

100-105. ISSN: 10139826

ADN - Vedecké práce v domácich časopisoch registrovaných v databázach Web of Science alebo SCOPUS(3)

ADN001 [146879] **Influence of technological parameters on the springback angle of high-strength steels** / Ján Slota, Miroslav Jurčišin, Lucian Lazarescu - 2014.In: Acta Metallurgica Slovaca. Roč. 20, č. 2 (2014), s. 236-243. - ISSN 1335-1532 Spôsob prístupu: *http://www.qip-journal.eu/index.php/ams/article/view/287/247*.
[SLOTA, Ján (60%) - JURČIŠIN, Miroslav (30%) - LAZARESCU, Lucian (10%)]
Ohlasy:

1. 2015 [2] LIŠKOVÁ, A., et al. Mechanical properties laser welding automotive steel sheets In: Acta Metallurgica Slovaca Roč. 21, č. 3 (2015), s. 195-202 ISSN: 1335-1532

AEF - Vedecké práce v domácich nerecenzovaných vedeckých zborníkoch, monografiách(1)

AEF001 [21633] **Spoľahlivosť ochrany Zn povlakov oceľových plechov po plastickej deformácii =** Zn coatings prevention reliability of steel sheets after plastic deformation / Emil Spišák ... [et al.] - 2003.In: Bezpečnosť - Kvalita - Spoľahlivosť. - Košice : TU-SjF, 2003 S. 159-165. - ISBN 8070999314
[SPIŠÁK, Emil (25%) - CHOMJAKOVÁ, Iveta (25%) - SLOTA, Ján (25%) - STACHOWICZ, Feliks (25%)]
Ohlasy:

1. 2004 [4] BREZINOVÁ, J., KNIEWALD, D.: Vlastnosti Zn povlakov aplikovaných technológiou tryskania. In: Acta Mechanica Slovaca, ISSN 1335-2393, 2004, roč. 8, č. 3-B, s. 21-26.

AFC - Publikované príspevky na zahraničných vedeckých konferenciách(25)

AFC003 [19485] **Experimental determination and comparison of pressability of thin steels for complicated-shaped pressings** / Emil Spišák, Lýdia Sobotová, Ján Slota - 1999.In: ICIT '99. Volume 2. - Celje : TECOS, 1999 P. 484-487. - ISBN 9619040147
[SPIŠÁK, Emil (33%) - SOBOTOVÁ, Lýdia (33%) - SLOTA, Ján (33%)]
Ohlasy:

1. 2000 [3] KNIEWALD, D., JANKURA, D.: Výskum na Katedre technológií a materiálov Strojníckej fakulty TU Košice. In: Výskumné aktivity materiálových kateder v ČR a SR. Ostrava, Kovosil 2000. S. 23-34. ISBN 80-901572-5-4.

2. 2000 [4] SPIŠÁK, E.: Matematické modelovanie a simulácia technologických procesov. Košice : TYPO Press Košice 2000. ISBN 80-7099-530-0.

AFC006 [29895] **Hodnotenie plastických vlastností tenkých plechov =** Evaluation of plastic properties of thin steel sheets / Emil Spišák ... [et al.] - 2004.In: Sborník přednášek se zaměřením na tváření kovů a plastů. - Liberec : Technická univerzita v Liberci, 2004 P. 113-118. - ISBN 8070838566
[SPIŠÁK, Emil (25%) - GREŠKOVIČ, František (25%) - SLOTA, Ján (25%) - MAJERNÍKOVÁ, Janka (25%)]
Ohlasy:

1. 2007 [4] MAJERNÍKOVÁ, J.: Analýza mechanických vlastností obalových plechov pri rôznom napäťovo-deformačnom zaťažení. In: Novus Scientia 2007 : 10. celoštátna konferencia doktorandov : Herľany, 20.11.2007. [Košice : Technická univerzita v Košiciach], 2007. S. 365-370. ISBN 978-80-8073-922-5.

AFC010 [60927] **Steel sneets development for automotive industry =** Vývoj oceľových plechov pre automobilový priemysel / Emil Spišák, Ján Slota, Janka Majerníková - 2007.In: PRO-TECH-MA '07. - Rzeszów : Politechnika Rzeszowska, 2007 P. 211-216. - ISBN 9788371994432
[SPIŠÁK, Emil (33%) - SLOTA, Ján (33%) - MAJERNÍKOVÁ, Janka (33%)]
Ohlasy:

1. 2014 [1] MICHAL, P., et al. Mathematical modelling and optimization of technological process using design of experiments methodology In: Applied Mechanics and Materials Vol. 616 (2014), p. 61-68 ISSN: 1660-9336

AFC013 [75580] **Visualisation of FDM prototypes** / Ivan Gajdoš, Ján Slota, Emil Spišák - 2008.In: ICAT 2008 : 2. Medzinárodná konferencia : 17.-19.9.2008, Ptuj, Slovinsko. - Vienna : DAAAM International, 2008 P. 1-3. - ISBN 3901509720
[GAJDOŠ, Ivan (34%) - SLOTA, Ján (33%) - SPIŠÁK, Emil (33%)]
Ohlasy:

1. 2010 [3] BUDZIK, G. Geometric accuracy of aircraft engine blade models constructed by means of the generative rapid prototyping methods FDM and SLA In: Advances in manufacturing science and technology Vol. 34, no. 1 (2010), p. 33-43

2. 2015 [1] GÓRSKI, F. et al. Computation of mechanical properties of parts manufactured by fused deposition modeling using finite element method In: Advances in Intelligent Systems and Computing : SOCO 2015 : 10th International Conference on Soft Computing Models in Industrial and Environmental Applications : Burgos, June 15-17, 2015 P. 403-413 ISSN: 2194-5357 ISBN: 978-331919718-0

3. 2009 [3] BUDZIK, G.: The geometrical precision of the silicone matrices to the manufacturingof the models of the gear. In: Archives of foundry engineering. Vol. 9, no. 2 (2009), p. 137-142. ISSN 1897-3310.

4. 2009 [3] BUDZIK, G.: The analysis of the possibility of the application of the casting waxes in the process RP. In: Archives of foundry engineering. Vol. 9, no. 2 (2009), p. 133-136. ISSN 1897-3310.

5. 2009 [3] BUDZIK, Grzegorz et al.: CMM application for geometrical analysis of SLA, 3DP and CNC gears prototypes. In: PRO-TECH-MA 2009. Proceeings of the extended abstracts : international scientific conference : Rzeszów - Bezmiechowa, Poland, 6th July - 8th July 2009. Rzeszów : University of technology, 2009. P. 26-31. ISBN 978-83-7199-546-0.

AFC016 [90593] **Current trends of design and production in automotive** / Emil Spišák, Michal Fabian, Ján Slota - 2009.In: AEI '2009 : medzinárodná konferencia : Genoa, 7.-11.9.2009. - Košice : TU, FEI, 2009 P. 1-5. - ISBN 9788055302805
[SPIŠÁK, Emil (34%) - FABIAN, Michal (33%) - SLOTA, Ján (33%)]
Ohlasy:

1. 2010 [3] KELEMEN, M., KELEMENOVÁ, T. Displacement amplifying systems in mechatronics In: Metalurgija Vol. 49, no. 2 (2010), p. 320-324 ISSN: 0543-5846

2. 2010 [3] KELEMEN, M. In-pipe micromachine based on inertial stepping principle In: Metalurgija Vol. 49, no. 2 (2010), p. 325-329 ISSN: 0543-5846

AFC022 [146850] **Local strain hardening and non-uniformity of plastic strain of tinplate** / Ján Slota, Emil Spišák, Miroslav Jurčišin - 2014.In: Key Engineering Materials : LMP 2013 : 10th International Conference on Local Mechanical Properties : 6-8 November 2013, Kutna Hora, Czech Republic. Vol. 606 (2014), p. 23-26. - ISBN 978-303835062-0 - ISSN 1013-9826 Spôsob prístupu: *www.scientific.net/KEM*.
[SLOTA, Ján (40%) - SPIŠÁK, Emil (40%) - JURČIŠIN, Miroslav (20%)]
Ohlasy:

1. 2015 [2] SPIŠÁK, E., et al. Failure of coatings of tinplates In: Acta Metallurgica Slovaca Roč. 21, č. 3 (2015), s. 213-219 ISSN: 1335-1532

AFD - Publikované príspevky na domácich vedeckých konferenciách(29)

AFD020 [142536] **Experimental and Numerical Analysis of Local Mechanical Properties of Drawn Part** / Ján Slota, Miroslav Jurčišin, Emil Spišák - 2014.In: Key Engineering Materials : LMP 2012 : 9th International Conference on Local Mechanical Properties : 7-9 November 2012, Levoča, Slovakia. Vol. 586 (2014), p. 245-248. - ISBN 978-303785876-9 - ISSN 1013-9826 Spôsob prístupu: *http://www.scientific.net/KEM.586.245*.
[SLOTA, Ján (40%) - JURČIŠIN, Miroslav (30%) - SPIŠÁK, Emil (30%)]
Ohlasy:

1. 2014 [3] ČINÁK, M. et al. The effect of planar anisotropy on properties of tailored-welded blanks made of dual-phase steels In: Hutnik, Wiadomości Hutnicze Vol. 81, no. 7 (2014), p. 425-429 ISSN: 1230-3534

2. 2015 [1] MICHEĽ, J., BURŠÁK, M., LACKOVÁ, P. Influence of the strain rate and heat treatment on the mechanical properties of steel sheets In: Key Engineering Materials Vol. 635 (2015), p. 100-105 ISSN: 1013-9826

3. 2016 [1] SCHREK, A., ŠVEC, P., GAJDOŠOVÁ, V. Deformation properties of tailor-welded blank made of dual phase steels In: Acta Mechanica et Automatica Vol. 10, no. 1 (2016), p. 38-42 ISSN: 1898-4088

4. 2015 [1] MIHALIKOVÁ, M., NÉMET, M., VOJTKO, M. IF steel effect of rate deformation on the fracture surface change In: Key Engineering Materials : 9th International Conference on Material in Engineering Practice 2014 : Herľany, June 12-13, 2014 Vol. 635 (2015), p. 118-121 ISSN: 1013-9826 ISBN: 978-303835344-7

AFD021 [154859] **Corrosion Behaviour of Automotive Steel Sheets Depending on the Degree of Deformation** / Janette Brezinová ... [et al.] - 2014.In: Key Engineering Materials. Vol. 635 (2014), p. 57-60. - ISBN 978-3-03835-344-7 - ISSN 1662-9795 Spôsob prístupu: *http://www.scientific.net/KEM.635.57*.
[BREZINOVÁ, Janette (30%) - KONCZ, Juraj (10%) - TOMÁŠ, Miroslav (30%) - SLOTA, Ján (30%)]
Ohlasy:

1. 2016 [1] BURIK, P. et al. Effect of strain history of steel sheets on the mechanical characteristics of individual microstructural components by depth sensing indentation In: LMP 2015 : 12th International conference on Local Mechanical Properties : Liberec, 4-6 November, 2015 P. 45-48 ISSN: 1012-0386

AFG - Abstrakty príspevkov zo zahraničných konferencií(3)

AFG003 [52956] **Determination of flow stress by the hydraulic bulge test** / J. Slota, E. Spišák - 2006.In: Metalurgija. Vol. 45, no. 3 (2006), p. 203. - ISSN 0543-5846

[SLOTA, Ján (50%) - SPIŠÁK, Emil (50%)]
Ohlasy:

1. 2007 [4] STACHOWICZ, F., TRZEPIECINSKY, T.: Modification of multi-stage drawing process of complex part. In: Technológia 2007. Bratislava : STU, 2007. S. 3-8. ISBN 978-80-227-2712-9.

AFK - Postery zo zahraničných konferencií(2)

AFK002 [75435] **FDM prototypes virtual modeling** / Ivan Gajdoš, Ján Slota, Emil Spišák - 2008.In: ICAT 2008 : 2. Medzinárodná konferencia : 17.-19.9.2008, Ptuj, Slovinsko. - Vienna : DAAAM International, 2008 1 p. - ISBN 3901509720 - ISSN 1992-5085
[GAJDOŠ, Ivan (34%) - SLOTA, Ján (33%) - SPIŠÁK, Emil (33%)]
Ohlasy:

1. 2010 [3] MARKOWSKI, T. et al. Geometrical precision of 3DP casting form for founding gears In: Archives of foundry engineering Vol. 10, no. special issue 1 (2010), p. 391-394 ISSN: 1897-3310

2. 2010 [3] BUDZIK, G., MATYSIAK, H. Geometric accuracy of wax bade models manufactured in silicon moulds In: Archives of foundry engineering Vol. 10, no. 1 (2010), p. 399-404 ISSN: 1897-3310

3. 2010 [3] BUDZIK, G. Geometric accuracy of aircraft engine blade models constructed by means of generative rapid prototyping methods FDM and SLA In: Advances in Manufacturing Science and Technology Vol. 34, no. 1 (2010), p. 33-43

4. 2010 [3] BUDZIK, G. Modelling and prototyping of aeronautical planetary gear demonstrator In: Journal of KONES Powertrain and Transport Vol. 17, no. 3 (2010), p. 49-54 ISSN: 1231-4005

5. 2011 [3] KOZIK, B. et al. Rapid Prototyping of wax foundry models in an incremental process In: Archives of Foundry Engineering Vol. 11, no. 2 special (2011), p. 113-116 ISSN: 1897-3310

6. 2012 [3] BUDZIK, G. et al. Integration of CAD and RP systems for aeronautical planetary gear demonstrator manufacturing In: MOTSP 2012 : Management of Technology Step to Sustainable Production : 4th International Scientific Conference : 14-16 June 2012, Zadar, Croatia ISSN: 1848-5022

7. 2011 [3] BUDZIK, G. et al. The analysis of the wax foundry models fabrication process for the CPX3000 device In: Archives of Foundry Engineering Vol. 11, no. 2 011), p. 5-8 ISSN: 1897-3310

8. 2013 [3] BUDZIK, Grzegorz et al. Advanced Integrated CAD/RP Systems in Manufacturing Process of Planetary Gear Demonstrator In: Acta Technica Corviniensis - Bulletin of Engineering Vol. 6, no. 1 (2013), p. 95-98 ISSN: 2067-3809

9. 2010 [3] STANKIEWICZ, M., BUDZIK, Grzegorz, PATRZAŁEK, M. The scope of application of incremental rapid prototyping methods in foundry engineering In: Archives of Foundry Engineering Vol. 10, no. 1 (2010), p. 405-410 ISSN: 1897-3310

10. 2009 [3] BUDZIK, G.: The geometrical precision of the silicone matrices to the manufacturingof the models of the gear. In: Archives of foundry engineering. Vol. 9, no. 2 (2009), p. 137-142. ISSN 1897-3310.

11. 2009 [3] BUDZIK, G.: The analysis of the possibility of the application of the casting waxes in the process RP. In: Archives of foundry engineering. Vol. 9, no. 2 (2009), p. 133-136. ISSN 1897-3310.

BCI - Skriptá a učebné texty(5)

BCI001 [57362] **Špeciálne technológie v automobilovej výrobe :** učebný text / Emil Spišák, František Greškovič, Ján Slota - 1.vyd - Košice : TU, SjF, - 2006. - 119 s. - ISBN 80-8073-753-3.
[SPIŠÁK, Emil (33%) - GREŠKOVIČ, František (33%) - SLOTA, Ján (33%)]
Ohlasy:

1. 2011 [1] NÉMET, Miroslav, MIHALIKOVÁ, Mária , MAMUZIČ, Ilija Porovnanie pevnostných a deformačných charakteristýk plechov používaných v automobilovom priemysle In: Chemické listy Vol. 105 (2011), p. s549-s551 ISSN: 0009-2770

2. 2008 [4] HERDITZKY, A., KICKOVÁ, M., OLEXOVÁ, M.: Moderne koncipované ocele použité pri výrobe automobilovej karosérie. In: Transfer inovácií. Č. 12 (2008), s. 106-109. ISSN 1337-7094.

3. 2008 [4] KOVÁČ, M., LEŠKOVÁ, A.: Základy výroby automobilov [online]. Košice: SJF TU, 2008. S. [109].

BCI002 [65341] **Programovanie NC strojov** / Ján Kráľ ... [et al.] - 1. vyd - Košice : TU, SjF, - 2007. - 181 s. - ISBN 978-80-8073-827-3.
[KRÁĽ, Ján (30%) - KRÁĽ, Ján ml. (30%) - SLOTA, Ján (20%) - MELKO, Jaroslav (20%)]
Ohlasy:

1. 2009 [4] IŽOL, P., VRABEĽ, M.: Voľba stratégií obrábania pri CNC frézovaní. In: Transfer inovácií. Č. 13 (2009), s. 97-100. ISSN 1337-7094.