

Bachelor Theses 2013 – UVTE

Petr, M.: Analysis of Production Processes Products Forming an Unstable Environment

Šajdová, I.: Analysis of the Impact of Volume Forming to the Structure of the Material

Čunderlík, D.: Analysis of the effect of temperature on the plasticity of magnesium alloys

Duga, T.: Animation of selected indirect methods for measuring angles

Porubská, Z.: Audio-visualization of programming process and measurement with coordinates measuring machines

Mikloš, J.: Audiovisual support for process development and manufacturing parts - use chain CAD – CAM

Kováč, S.: Diagrams of face and back of cutters

Kamzík, J.: Diffusion welding Mg alloys of Al alloys

Michalka, J.: Diffusion welding of metallic materials

Katrič, T.: The conceptual design of the conveyor designed to measure the eccentricity of the shaft

Tóth, G.: Construction and production of cutting tool with computer support

Lehotský, E.: Geometric Characteristics Measurements via Optical 3D Scanner and Coordinate Measurement Machine

Berová, M.: Matrix model of geometrical product specification

Juhászová, P.: Measurement of discrete points by photogrammetry

Remšík, L.: Measurement of tools on Zoller Genius 3

Pasztorek, Z.: Measurement with combination of contactless optical triangulation method (video)

Tillinger, T.: Design and projection manufacturing of pump using CAD / CAM

Smolek, V.: Modelling and production of glass mould using CAx systems

Lehotský, P.: Modelling a two-stroke engine in PowerShape program

Gajdošík, Z.: Modeling Frame of Air-condition Unit

Frnčík, O.: The options of analyzing the forming volume deformation in metal spinning

Hudec, M.: Options programming for production square holes

Kudláč, M.: Possibilities of virtual NC machining verification

Hut'ka, P.: Surfacing and repairs by using laser

Hôrka, M.: Design and construct of hydraulic device for tightening nuts which is specified moment of force

Herda, M.: Computer aided desing and construction of shearing tool

Palček, P.: Draft and modeling of a clamping unit for a welding

Guzlej, J.: Proposal and comparison of openinng measurement methods

Klbečka, O.: Animations design and implementation of selected measurement methods of screw threads

Hulač, A.: Design and production of the preparation for thermal clumping

Pogány, K.: Design and manufacturing of fixture for 3D scanner GOM ATOS

Jesenský, V.: Design and manufacture of components using the program NX 6 in company TFM - Slovakia, s.r.o.

Miklovič, P.: Design and production of clamping tools for milling machines

Fábik, T.: Design the animation for e-learning subjects from sphere of foundry

Bugár, B.: Design of instalation francis turbine

Buček, T.: Design for assembly of mechabox airsoft guns

Kollár, M.: Assembly design gas gun ZORAKI mod.914

Németh, B.: Design electrical installation of the selected power source

Hranec, J.: Design of gearbox modeling process

Prilesan, E.: The design of a technological process of fixture production for milling machine

Adamčík, R.: Proposal Technological Process of Manufacture Holder Connector

Baláž, J.: Proposal fixtures for machine Charmilles AG Robofill 310

Miklošovičová, Z.: Assembly Workstations Design For Fiber Composite Discs Production

Macháček, J.: Manufacturing design for rubber cuff assembly

Briš, P.: The draft of manufacturing the parts of epicyclic gear

Kollár, E.: A suggestion of a part of hydraulic ram - cylinder production

Černek, L.: Desing production process of a form for laminate products

Furička, J.: Desing of component production on CNC machining center for mass-production

Kako, M.: Proposal for production of closed die forging magnesium alloy

Slotík, T.: New trends of modeling approaches in CAD systems

Henček, M.: The new trends of CAM

Urcikán, J.: Renewal of cutting tools properties

Bračík, M.: Renovation of cutting tool properties

Neužil, M.: Parametrization and associativity in PowerSHAPE

Szewczyk, T.: Comparison of conventional surfacing method with modern technology

Herich, B.: Covering of tools for forming

Tomáš, M.: Industrial robots and their use in the automotive industry

Pavlus, L.: Forming processes based on incremental deformation of material

Puvák, Š.: Rationalization of production in company Semikron, s.r.o. Vrbové

Cibulka, S.: Sand reclamation in foundry

Pirník, M.: The difference between machining STL model and surface model

Skoták, P.: Simulation of the machine CTX alpha 500 in CAD / CAM software FeatureCAM

Cingel, P.: Simulation of the machine DMU 85 monoBLOCK in software PowerMill

Szöcs, B.: Soldering Using Solder Glasses

Danihel, A.: Determination of residual life of welded structures

Babušek, R.: Modular tool systems

Kosnáč, J.: Machines, appliances, grinding tools for sharpening of tools

Vajová, A.: Technological classification of sheet-metal forming products

Gallo, M.: Technological process of assembly of hydraulic pump

Klučár, M.: Technological process of manufacturing glass molds

Bošanský, M.: Trends in sector of computer aided software for constructors

Tvrdoň, P.: Making CNC program before casting molds for the production of bottles

Porubčan, R.: Creation the fixtures in CAM systems

Fritz, R.: Creating of technical documentation for checking fixture production

Felčírová, S.: Tool Holding System for High Speed Cutting

Hlušková, S.: Visualization of machining process for broaching machine tool

Samko, D.: Influence speed of scanning on coordinate measuring machine to accuracy of the measurements values

Adamcová, N.: Influence of strain on the basic properties of the properties products

Lesník, J.: Drilling cycles in PowerMill

Ligo, M.: The production of the flexible rubber-metal parts

Dobšovič, M.: The production of the wax patterns for casting

Bát'a, M.: Creating application interface for the selected CAD software

Pikna, P.: Creating a CAD model database of thin sheet-metal parts for the classification systems in sheet-metal forming

Borbély, J.: Electrical Discharge Machining Use

Ormandy, R.: Use of the Molding Sands with Binder based on Sodium Silicate

Vizváry, M.: Utilization of non-solid environment to cut thin sheets

Segeš, T.: Use of reverse engineering in ice-hockey helmet modification

Duga, M.: Principles of construction and creating model of die for mechanical crank press

Čaja, R.: Evaluation of gear wheels production possibilities using electroerosive cutting

Frnčík, M.: Reducing friction in the technology of forming

Scheip, S.: Welding and weldability of magnesium alloys

Hoboth, B.: Laser Welding of Light Alloys

Trnavský, J.: Enhancing the efficiency of production of component parts with the use of CNC machines

Zigo, P.: 3D Scanning by Active Triangulation (Video)

Plankóová, A.: 3D scanning with structured light (video)