

## Theses UVTE – 2019

- [Antl, Martin](#) Current status and the implementation of the Industry 4.0 into system iCIM
- [Plesnivý, Ľubomír](#) Design of robotization of the chosen assembly process in Adient Slovakia company s.r.o.
- [Mužila, Marek](#) Study the effect of welding parameters on the integrity of Ti weld joints made by laser beam
- [Beliansky, Marek](#) Modification of the cutting plate for machining the hardened shaft and the tool holder in the selected company
- [Kravárik, Michal](#) Reliability enhancement of P606 pump in the SAR production unit in Slovnaft, a.s.
- [Kubová, Diana Sabína](#) Analysis of ATABOR type steel weld joints
- [Gottwaldová, Natália](#) Repair of dissimilar metal welds used for the connection of header to steam generator body
- [Samson, Miroslav](#) Design of workstation using a collaborative robot in Process Simulate software
- [Kováč, Jakub](#) Influence of heat treatment on properties of laser beam welded joints of ALi alloy
- [Vlachovič, Peter](#) Welding of Tram Wagons
- [Drexler, Martin](#) Welding parameters proposal for production of boiler body shell made of 15NiCuMoNb5-6-4 (WB36) material
- [Lengyel, Gabriel](#) Improving the overall effectiveness of the assembly line V10 based on the application of OEE principles in the factory ZF Slovakia, a.s., Trnava
- [Petrek, Jakub](#) The influence of STTlr welding parameters on the properties of weld joints of thermoplastics
- [Klempová, Lenka](#) The weld joints quality of Ni alloy influenced by electron beam oscilation
- [Cintula, Denis](#) Design of a robotic workplace for car seat ironing process
- [Krídľ, Radko](#) Change of product heat treatment (synchronic ring) from tick quenching to continuous quenching
- [Ondraščin, Peter](#) Computer aided design and production of forming tool for automotive industry
- [Daniel, Adam](#) Design of an automated device for welding bicycle frames
- [Michna, Martin](#) Injectin molding process and plastic parts properties analysis
- [Kos, Matej](#) Design and production of the forming tool for development of the silent block bowl with the computer aided
- [Čuvalová, Lucia](#) Using the DOE method for cutting tool tests in Schaeffler Skalica
- [Šmatláková, Nina](#) Suggestion of improvements of the managment of material flow and purchasing strategy SPPP Slovakia s.r.o., Bánovce nad Bebravou

[Palko, Ján](#) Design and manufacture of the transport unit prototype for bearing units TBU 130x230x160 TN

[Valach, Lukáš](#) The influence of the measurement strategy on a coordinate measuring machine on the accuracy of measured values

[Bačová, Denisa](#) Rectification of Cutting Tool

[Čuži, Vladimír](#) Influence of Size of Cutting Edge Microgeometry on the Tool Wear

[Hrbál, Jakub](#) Design and manufacturing of cutting tools for milling of superalloys

[Suchodolinský, Jakub](#) Design and development of plastic component

[Strečanský, Dávid](#) Design CAD/CAM and CNC workplace for furniture industry

[Kupkovičová, Jana](#) Durability of coated cutting tools

[Gregor, Vladimír](#) High-speed machining of aluminum alloy

[Jančuš, Lukáš](#) Design and production of sandblasting masks

[Žák, Michal](#) Design of forming tool modification for the production of a bearing outer ring using FEM simulation

[Haladová, Kristína](#) Closed-die Forgings Production Effectivity Increasing

[Bartík, Tomáš](#) Computer aided design and production of tools for plastic processing

[Bestvina, Miroslav](#) Design of an automated device to determine the product model

[Macko, Marek](#) Design of an assembly line for the production of a rear car light

[Marek, Adrian](#) Influence of technology improving tool life to wear

[Chovanec, Martin](#) Use of CAx technology in company JAMP SVORADA

[Talába, Martin](#) Modification of plastic molding part using computer simulation

[Fabianová, Milada](#) Design and creation of a database of machines and tools for progressive machining methods

[Homoňuk, Roman](#) Design and simulation of the welding station in Process Simulate in Kuka systems Slowakei company, spol. s. r.o.

[Václav, Michal](#) Determination of the limit value of the balance of the grinding wheels holders at the expenditure of production

[Gajarová, Nikola](#) Optimization of double-row quenching of synchronous rings in the Wienstroth quenching line

[Čelko, Jozef](#) Design of a clamping fixture for welding a part of a packaging machine

[Gálik, Rastislav](#) Modification of functional parts of tools in forming processes

[Řurina, Michal](#) Edge Preparation of Cutting Tools and its impact on cutting forces during milling

[Augustovič, Branislav](#) High Feed Machining of Difficult-to-cut Materials

[Košťial, Vlastimil](#) The comparison of current 3D printers with regard to the requirements of ZF Slovakia, a.s.

[Malák, Jozef](#) Optimization of the assembly process of air-conditioning units using the Lean methodology in Vertiv Slovakia, a.s., Nové Mesto nad Váhom

[Segeš, Tomáš](#) Influence of multiple repairs on the mechanical properties of the steel weld joints used by STAKOTRA MANUFACTURING

[Bucha, Peter](#) Augmented Reality in production systems

[Turkovič, Tomáš](#) Implementation of the logistics control system into the production process

[Drahoš, Andrej](#) Algorithmization of the material flow of the production system

[Rybová, Barbora](#) Analysis and design of the HFA 800 CNC pressing line layout for the production of membrane springs in the factory ZF Slovakia, a.s., Trnava

[Hudec, Richard](#) Analysis of the properties of oxygen free copper weld joints produced with electron beam

[Frtús, Jakub](#) Angular robot design

[Kapusta, Peter](#) Comparison of the influence of specific welding device settings on the resulting quality of weld joints and process stability

[Grófová, Zuzana](#) Proposal of modification of automated testing station for grinding spindles in accordance with concept of Industry 4.0

[Dráb, Marek](#) Design and manufacture of a chest set using CA technologies

[Rausa, Lukáš](#) Increase of tool stability for IDM grinding

[Litvák, Filip](#) Influence of Cutting Edge Radius Size on the Surface Roughness in Machining

[Seres, Denis](#) Rationalization of production of spring for the brake caliper

[Majtánová, Lucia](#) Forming of welded semifinished parts

[Nejedlík, Michal](#) Design of a method of inserting a synchronous ring into the operation space of machine

[Markovičová, Denisa](#) Project for modernization of laboratory for technological tests of molding mixtures at MTF STU Trnava

[Kadlecová, Alena](#) Draft measures to improve the production and distribution of production media for production technologies

[Floriš, Viktor](#) Optimization of CNC metal spinning proces

[Schmidtová, Róberta](#) Design and manufacturing of cutting tools for milling of austenitic stainless steel

[Moravčík, Maroš](#) Design of robotic riveting workplace for automotive

[Nečas, Martin](#) Laser polishing of Ti powder composites

[Pástor, Dalibor](#) The shape complicated component modeling

