

EAI International Conference on Management of Manufacturing Systems (MMS 2017)

The Conference is dedicated to 25th Anniversary of the Foundation of the Faculty of Manufacturing Technologies with a seat in Prešov (TUKE) under the patronage of Dr. h. c. prof. Dr. Jozef Zajac, Dean of Faculty of Manufacturing Technologies with a seat in Prešov.

Conference Program

WEDNESDAY 22.11.2017

- 9:00 – 11:30** **Registration /Grandhotel Starý Smokovec, Starý Smokovec 38, 062 01 Vysoké Tatry, Slovak Republic**
- 11:30 – 12:00** **Opening Ceremony – Welcome Speech**
Assoc. Prof. Dr. Michal Balog- Chair of the MMS 2017
Dr. h. c. Prof. Dr. Jozef Zajac- Dean of Faculty of Manufacturing Technologies with a seat in Prešov (TUKE)
- 12:00 – 13:00** **Lunch**
- 13:00 – 15:00** **Panel Discussion/Scientific Paper Presentations**
- 13:00 – 13:20 Dr.h.c. mult. prof. Ing. Juraj Sinay, DrSc. (Automotive Industry Association of the Slovak republic)
- 13:20 – 13:40 Prof. Dr. Dragan Peraković (University of Zagreb, Croatia)
- 13:40 – 14:00 Assoc. Prof. Dr. Vitalii Ivanov, Ing. Paed. IGIP (Sumy State University, Ukraine)
- 14:00 – 14:20 Assoc. prof. Dr. Oldřich Kodým (College of Logistics, Czech Republic)
- 14:30 – 15:00** **Coffee Break**
- 15:00-17:00** **Panel Discussion**
- 15:00- 15:20 1.prešovská nástrojáreň, s.r.o. , Slovakia (Dr. Dušan Manduľak)
- 15:20-15:40 SEZ Krompachy a.s., Slovakia (M.Sc.Eng. Imrich Smaržík)
- 15:40-16:00 ŽOS Trnava a.s., Slovakia (M.Sc.Eng. Mária Wendt)
- 16:00-16:20 Tomark s.r.o.,Prešov, Slovakia (M.Sc.Eng. Daniel Tomko)
- 16:20-16:40 Evopro Innovation LLC.,Budapest, Hungary (Dr. Zsolt Szepessy)
- 16:40-17:00 Villa Pro, s.r.o. Spišská Nová Ves (M.Sc. Eng. Ján Novotný)
- 18:00** **Social Evening/SILENT TRIO**

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THURSDAY 23.11.2017

09:00-12:00 Panel Discussion /Scientific Paper Presentations

09:00-09:15 **Dagmar Cagáňová**, Synergetic effect of financial risk in small and medium enterprises (SMEs)

09:15-09:30 **Dušan Mital'**, Peter Michalik , František Botko et al.- Identification of internal residual stress in the weld and heat affected zone

09:30-09:45 **Ján Duplák** , Katarína Brezíkóvá , Róbert Čep et al.- Efficient machining of steel S355JR after the laser cutting – case study

09:45-10:00 **Zuzana Mitaľová**, Vladimír Simkulet, Jozef Zajac et al.- Surface quality of Wood Plastic composite material after machining

10:00-10:30 Coffee Break

10:30-10:45 **František Botko** ,Michal Hatala, Pavol Beraxa et al.- Evaluation of hardness parameters of TiCN coating

10:45-11:00 **Dominika Lehocká** , František Botko, Vladimír Simkulet et al.- Evaluation of PWJ effects on selected surface characteristics of CW004A copper

11:00-11:15 Michal Balog , **Monika Trojanová** , Peter Balog- Experimental verification of options application RFID technology in real conditions

11:15-11:30 Juraj Pančík, **Vladimír Beneš**- Emulation of peripherals for automotive electronic control unit

11:30-13:00 Lunch

13:00-15:00 Panel Discussion/ Scientific Paper Presentations

13:00-13:15 **Romana Hricová**, Stanislav Adamčík- Use of Publicly Available E-Information for Business

13:15-13:30 **Vitalii Kolesnyk** , Zuzana Murčinková , Vitalii Ivanov et al.- Micromechanical finite element method modeling of unidirectional CFRP surface damage

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13:30-13:45 **Vitalii Ivanov** , Ivan Dehtiarov , Jozef Zajac- Flexible fixtures for parts machining in automobile industry

13:45-14:00 **Miroslav Maľcovský** , Michal Balog , Jozef Jurko- Importance of process simulation in the initiative phases of mould part construction

14:00-14:15 Juraj Sinay, **Branislav Konečný**-Risk management in hydrogen technologies - application for mobile technology

14:30-15:00 Coffee Break

15:00-16:00 Scientific Paper Presentations/Poster Session

Jerzy Winczek , Krzysztof Makles , Marek Gucwa et al.- Analysis of stress field during submerged arc weld surfacing

Lucia Knapčíková , Miroslav Rimár , Marcel Fedák- New trends in waste management in the selected region of the Slovak republic

Peter Michalik, Michal Hatala, Dusan Mital- Intelligently programming the thread production on the external cylindrical surfaces for the Fanuc control system

Lukáš Zuzánek, Jiří Sobotka, Pavel Solfronk , Michaela Kolnerová- Influence of Hydrogen on the Behaviour of 22MnB5 Steel

Lucia Knapčíková, Svetlana Radchenko, Darina Dupláková, Michal Hatala- Advanced materials based on the recycled polyvinyl butyral (PVB)

Stella Hrehová, Erika Fechová- Design of system for evaluating and sorting products with tools of statistical process control

Jozef Svetlík, Juraj Kováč, Patrícia Dudová, Jozef Dobránsky- Modeling the accuracy of the manufacturing machine

Michal Balog, **Lucia Knapčíková**- Monitoring of hazardous goods by rail in the Europe: A review

Dušan Knežo- Computer support of creation study materials from selected statistical methods

Jozef Zajac, Svetlana Radchenko, **Zuzana Mitaľová** et al.- Mathematical simulation of tungsten carbide machining using finite elements method

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David Koreček , Pavel Solfronk, Jiří Sobotka, Michaela Kolnerová- Utilization of numerical simulation to predict spring-back of dual-phase steel sheet at bending

Jozef Kmec, Erika Fechová, **Stella Hrehová**- Factors affecting the lifetime of plastic – coated sheets

Michal Halapi, **Mária Šebestová**, Zuzana Murčinková- The designing of the measuring stand for research of mechanical properties of composites

16:00-16:30 Closing Ceremony

18:00- Social Evening

FRIDAY 24.11.2017

09:00-12:00 Excursion to the manufacturing company