



The 5th International Conference on
**Computing and Solutions
in Manufacturing Engineering 2020**

October 7 - 10, 2020
Braşov - Romania

BEST PAPER AWARD

S1 - CAD/CAE/ CAPP/CAM/CAX Techniques and Virtual Engineering

**Paper title: Novel trend in case study of industrial
robot programming and production
system design using the virtual reality**

**Radovan HOLUBEK, Roman RUZAROVSKY, Karol VELISEK
and Matej JANÍČEK**



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School of Mechanical Engineering

Prof. Gheorghe Gancea, PhD

Chairman



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S2 - Advanced Manufacturing Technologies

**Paper title: Making Industry 4.0 functionalities
understandable based on the
production of a model car**

Sabina ROMAN and Christoph BUNSEN



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S3 - Additive Manufacturing and Non-conventional Technologies

**Paper title: Designing of an original extruding
system for 3D printing of parts made of
plastic material in powder-state form**

**Răzvan PĂCURAR, Sergiu PASCU, Ancuța PĂCURAR, Dan Sergiu STAN,
Emil TEUTAN, Diana Irinel BAILA and Arik SADEH**



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S4 - Metal Cutting and Solutions for Tools and Devices in
Manufacturing Engineering

**Paper title: On-line linear guideway monitoring
using laser mouse sensor**

**Wen-Nan CHENG, Chih-Chun CHENG, Chi-Ming TSAI, Bo-Chun CHANG,
Wen-Ren CHEN and Tzu-Fan CHIANG**



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S4 - Metal Cutting and Solutions for Tools and Devices in
Manufacturing Engineering

**Paper title: The optimization of cutting parameters
at turning, using electrical current at
cutting, in order to increase the
durability of the cutting tool**

Raluca DAICU and Valentin DIȚU

Prof. Gheorghe Oancea, PhD

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S5 - Industrial Management

**Paper title: Optimization of industrial management
processes**

Cătălin MĂRGINEANU and Dorin LIXĂNDROIU



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S7 - Other related topics

**Paper title: Teaching online during the COVID - 19
crisis. Initial thoughts**

**Bogdan-Alexandru DEAKY, Luminita PÂRV and
Victor-Alexandru BRICIU**



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