

CECOL 2012

Central European Conference on Logistics



Programme

28.11.2012

17.30 – 20.00

REGISTRATION

19.00 – 21.00

WELCOME DRINK (PAULINSKA ST.)

29.11.2012

08.00 – 13.00

REGISTRATION

09.00 – 10.30

OPENING CEREMONY:

prof. Dr. Ing. Oliver Moravčík

doc. Ing. Peter Košťál, PhD.

PLENARY SESSION:

CHAIRMEN:

E. Glistau, C. lo Storto, J. K. Grabara, D. R. Delgado Sobrino, P. Košťál

Efficient transportation systems - intelligently organizing flows of goods

M. Schenk, K. Richter, A. Muller and E. Glistau

**A four-stage methodological framework for the identification of the information flow
inefficiencies in the manufacturing environment**

C. lo Storto

**The transport infrastructure investment's impact on the level of sustainable transport
indicators in the Czestochowa city**

P. Bajdor and J. Grabara

10.30 – 11.00

COFFEE BREAK

11.00 – 13.00

SESSION:

CHAIRMEN:

J. K. Grabara, D. R. Delgado Sobrino

The time analysis of material flow with Methods Time Measurement - Contribution to implementation at the CSR level of industrial production I

B. Beňo, G. Hrdinová, P. Sakál and Ľ. Šmida

The time analysis of material flow with Methods Time Measurement - Contribution to CSR implementation at the level of industrial production II

B. Beňo, G. Hrdinová, P. Sakál and Ľ. Šmida

The development of a GPS based RF signal strength measurement system

L. Méhes

Aspects of logistics in biomass supply for energy production

B. Ślusarczyk and S. Kot

Multi-criteria function for optimizing the number of workers in an e-maintenance

R. Havlik, A. Gottwaldova and F. Manlig

Availability and productivity of simple production chains

T. Nánási

Representation of asynchronous motor dynamics by generalized kloss characteristics

E. Riečičiarová and T. Nánási

13.00 – 14.00

LUNCH

14.00 – 16.00

SESSION:

CHAIRMEN:

G. Varga, P. Košťál

Incorporation, programming and use of an ABB robot for the operations of palletizing and depalletizing at an academic-research oriented intelligent manufacturing cell

R. Holubek, D. R. Delgado Sobrino, P. Košťál and J. Oravcová

System integration methods for voice-commanded PLC controlled systems

J. M. Pintér and A. Trohák

Experimental determination of the coefficient of friction in rotational sliding joint

R. Ďuriš and E. Labašová

Supply chain including sustainable development's elements, for the enterprises dealing with the waste management obtained from the mines operation

N. Komar and I. Grabara

Evolution algorithm for job shop scheduling problem constrained by the optimization timespan

F. Koblasa, F. Manlig and J. Vavruška

Virtual reality modeling language as tool for automated workplaces simulation

J. Novák-Marcinčin

Testing of the ABS materials for application in fused deposition modeling technology

L. Nováková-Marcinčinová and **J. Novák-Marcinčin**

19.00 – 23.00

BANQUET

30.11.2012

09.00 – 10.30

SESSION:

CHAIRMEN:

E. Glistau, Roman Ružarovský

The effect of fundamental shape parameters on the modal properties of stepped ultrasonic concentrator

M. Nad' and **L. Čičmancová**

Design of camera system location at the station for loading and orientation

N. Danišová, R. Ružarovský and K. Velíšek

Flexible assembly cell optimization by operational analysis

A. Javorová, M. Kusá and M. Matúšová

Effect of environmentally conscious machining on machined surface quality

G. Varga

Clamping fixture design methodology for the proper workpiece inserting

J. Oravcová, **P. Košťál**, D. R. Delgado Sobrino and R. Holubek

Logistics, its classification and the main features of individual types

K. Krajčová, M. Kusá, **N. Hankeová** and F. Pecháček

10.30 – 11.00

COFFEE BREAK

11.00 – 12.00

COMPLETION OF SESSION:

CHAIRMEN:

Corrado lo Storto, N. Danišová

Can message filter algorithms for Remote diagnostics of vehicles

A. Trohák, B. Illés and Z. Biró

Some aspects of the hard machining of bore holes

J. Kundrák

Settings, experimentation and evaluation of the simulation models

F. Manlig, R. Havlik and A. Gottwaldova

**On the possibilities of intelligence implementation in manufacturing: the role of
simulation**

D. R. Delgado Sobrino, P. Košťál, D. Cagáňová and M. Čambál

Theoretical value of total height of profile in rotational turning

I. Sztankovics

The writing principle of activity of individual devices in intelligent production systems

S. Šebeňová, N. Danišová and K. Velíšek

FINAL SUMMARY AND CONFERENCE CLOSING:

P. Košťál

12.30

LUNCH