

MIT'2005 Conference Program

Thursday - 22nd September

17:00 - 18:00 Conference reception, Hotel Barbara
Registration

18:00 - 20:00 Hotel Barbara
Welcome reception

Friday - 23rd September

08:00 - 09:00 Conference reception, Hotel Barbara
Registration

09:00 - 09:30 Welcome speech
Mihael Junkar & Paul Levy

Prof. Dr. Janez Mozina
State Secretary
Slovene Ministry of Higher Education, Science and Technology

09:30 - 10:00
Coffe Break

10:00 - 12:00 Room A & B
Plenary session
Chairmans: M. Junkar & P. Levy

Rapid Prototyping for Reconfigurable Machines in Agile Manufacturing Systems
G. Bright, B. Xing, J. Eganza, I. Vengust and P. Butala

WJ Decoating: An Integrated Tool and Process Model
A. Schenk, F.-W. Bach, R. Versemann

The Twelve Death Signs of a Growing Manufacturing Company
P. Levy, D. Knowles, M. Junkar

Role of the Virtual Networks in the Virtual Enterprise
G. Dragoi, L. Rosu, S. M. Rosu, C. Cotet

Integrated Design of MEMS Designing Manufacturable Products
M. Museau, C. Masclet

Autofrettage - Life Cycle Management for High Pressure Components
F. Trieb, J. Schedelmaier, M. Poelzl

12:00 - 13:00 Hotel Barbara Restaurant
Lunch

13:00 - 15:00 Room B

Paralel session

Chairmans: F. Trieb & G. Franchini

The Product as an Active Element of Distributed Multi-agent Production System

P. Mitrouchev, D. Brun-Picard

Internet/Intranet/Extranet-based Systems for Virtual Product Development Environment in the PREMINV Platform

G. Dragoi, C. Cotet, S. M. Rosu, L. Rosu

Cutting Performance and Obtainable Quality Applying 600 MPa Abrasive Waterjets

H. Werth, W. Hiller, C. Luetge, J. Koerner, F. Pude, I. Lefevre, R. Lefevre, T. Stinckens

Temperature Compensated Constant Temperature Anemometer (TCCTA)

V. Sajn, F. Kosel

Following the Twist Drill (S390) Wear Using the Neural Networks

Z. Krivokapic, V. Zogovic, O. Spajic

Reverse Engineering and FEM Procedures

C. Pupaza

15:00 - 15:30

Coffe Break

15:30 - 17:30 Room B

Paralel session

Chairmans: C. Masclet & A. Sluga

Simulation of the Ploughing Effect on the Vibrating Drilling

N. Guibert, H. Paris

Programming Calculation of Optimization a Structure

H. Gheorghiu, V. Daniel, F. Baciu

Heat Generation During Abrasive Water Jet Osteotomies Measured by Thermocouples

C. Biskup, S. Kromer, M. Hover, R. Versemann, F.-W. Bach, L. Kirsch, A. Andrae, F. Pude, S. Schmolke

Implementation of Information Technology for the Purpose of QMS Improvement

A. Vujovic, Z. Krivokapic

Theoretics of the Abrasive Micrograin Application to Highpressure, Hydroabrasive Waterjet Treatment

A. Perec

Prediction of material failure in digital environment

T. Pepelnjak

13:00 - 15:00 Room B

4M - NMS Workshop - part 1

Chairmans: M. Junkar & S. Dimov

4M Network of Excellence: A tool for Integrating European R&D Programmes in Multi-Material Micro Manufacture

S. Dimov

Metrological Analysis of High Performance Composite Laminates through Advanced Ultrasonic Nondestructive Inspection

I.L. Baciu, T. Segreto, R. Teti

Microforming - Current State and Future Demands

S. Geissdoerfer, A. Putz, U. Engel

15:30 - 17:30 Room B

4M - NMS Workshop - part 2

Chairmans: M. Junkar & S. Dimov

Mechanical Micromachining by Milling, Wire EDM, Die-sinking EDM and Diamond Turning

A. Herrero, I. Goenaga, S. Azcarate, L. Uriarte, A. Ivanov, A. Rees, C. Wenzel, C. Muller

Investigation and Development of a Fiber-optic Vibrometer Aimed for the Application in Totally Implantable Hearing Aids (TIHA)

Z. Djinovic, M. Tomic, A. Vujanic, R. Pavelka, S. Mitic, D. Vujanic, M. Cordes

Light Scattering – a Tool for Assessment of Micro Manufactured Surfaces

L. Mattsson

17:30 - 18:00 Room A & B
Key note speech

Science Based Marketing
I. Emri

18:30 Bus departure from Hotel Barbara
19:00 - 21:30 Restaurant Kortina
Conference dinner

Saturday - 24th September

09:00 - 09:30 Room A & B
Key note speech

The Role of a Collaborative Portal in Industrial Organizations
J. Lap, P. Butala, A. Sluga

9:30 - 10:00
Coffe Break

10:00 - 12:00 Room A
Paralel session
Chairman: F. Pude & P. Butala

Hybrid Dry Ice Blasting-Laser Processing: Nd-YAG-laser assisted Dry Ice Blasting for De-Coating of Hot-Dip Galvanised Steel
E. Uhlmann, R. Hollan, M. Krieg

The Constructive and Geometric Optimization of the Junctions in the Structures Made from Laminated Composite Materials
A. Hadar, M. N. Nica, I. N. Constantinescu, S.-D. Pastrama

Introduction to Diagnostic of the Delamination Process of Glass/Epoxy Composites During Abrasive Waterjet cutting
A. Karpinski

Prediction of Cutting Forces using FEM Simulation and Modeling for Optimal Selection of Chip Breaker Inserts Geometry
G. Patrascu, S. Croitoru

Optimal micro EDM machining parameters found based on the Taguchi method
O. Blatnik, M. Junkar

Optimal micro EDM machining parameters found based on the Taguchi method
J. Valentincic, D. Kuser, S. Smrkolj, M. Junkar

10:00 - 12:00 Room B
Paralel session
Chairman: C. Cotet & D. Knowles

Evolving the Interface Between Technology and Art - Using Theatre-based Simulations to Illuminate the Process of Innovation
C. Stagg, P. Levy

Adapting Mechanical Engineering Curricula to Virtual Enterprise Environment
M. Guran, G. Patrascu, G. Carutasu

Technological Entrepreneurship in Zasavje Region
I. Prodan, S. Dolinsek

Mistakes and Traps in FEM Practice
H. Gheorghiu, D. Vlanescu

Value Innovations Level - Basic for Improvement Business System
K. Kanjevac, J. Milivojevic

The Effect of Pressure Fluctuation on the Cutting Ability of Pure Waterjet
M. Monno, C. Ravasio

12:00 - 13:00 Room A & B
Conference closure
Mihael Junkar & Paul Levy

13:00 Hotel Barbara Restaurant
Lunch