INFORMATION FOR ACCOMODATION

For all information related to accommodation and reservation, please contact:

D.T.T.U. Kinissi Tour Operator, MK-1000 Skopje, Republic of Macedonia Tel. +389 2 312 4441, tel/fax. +389 2 312 5350; 3128 127

E-mail: kinissi@on.net.mk

ACCOMODATION:

Conference Venue: Hotel Bellevue (A Category)

One bedroom

One bedroom

One bedroom

39 Euro per person

Gull board, per day)

Additional Accommodation:

(full board, p/day, p/pax)

Hotel Metropol Annex:

One bedroom

32 Euro per person (full board, per day)

Double bedroom

25 Euro per person (full board, p/day, p/pax)

Private rooms:

Bed per day in room without own TWC

6,5 Euro per person, per day

Bed per day in room with own TWC

10 Euro per person, per day

Apartment per day, 2 – max 3 persons 50 Euro per day

(one person in room – not available)

SOCIAL PROGRAM:

Sight seeing, Ohrid and area—September 18, 2004: Options:

- 1. All day Ohrid excursion by BUS.
- 2. All day excursion by ship Ohrid Lake.
- 3. All day excursion by BUS to Thessaloniki, Greece.
- 4. All day excursion by BUS to Tirana, Albania.

Conference participants will receive Book of Abstracts and Proceeding of full papers on CD

Registration fee for non-authors: 50 Euro Conference Proceedings (paper copy) 30 Euro

Presentation equipment: Video beam (strongly recommended – PowerPoint presentations), overhead and slide projector.

Presentation time: 10 minutes





UNIVERSITY "Ss. CIRIL & METODIUS" FACULTY OF MECHANICAL ENGINEERING SKOPJE, REPUBLIC OF MACEDONIA

SCIENTIFIC CONFERENCE WITH INTERNATIONAL PARTICIPATION

MANUFACTURING AND MANAGEMENT IN 21ST CENTURY

- PROGRAM -

(tentative)

PRODUCTION AND INDUSTRIAL ENGINEERING ASSOCIATION

Ohrid, September 16-17, 2004 Republic of Macedonia

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Scientific Conference with International Participation

MANUFACTURING AND MANAGEMENT IN 21ST CENTURY

Ohrid, September 16-17, 2004

AIM OF THE CONFERENCE

In order to be competitive in 21st century, companies must face new challenges. The way products are manufactured has evolved dramatically in recent decades and manufacturing technology and management will continue to change at an increasing rate. As we move deeper into 21st century, manufacturers must focus their efforts on meeting critical challenges to ensure their future competitiveness and long-term success.

This scientific conference will look for challenges in *manufacturing* processes and equipment; modeling and simulation; information systems and integration. Regardless of the systems and technologies used in manufacturing, it is absolutely essential to have people involved in the every step on the road to the success. There for the management of the companies in 21st century is another focus of the conference.

TOPICS:

- New Materials, Processes and Technologies
- Contemporary Concepts of Tools, Machines and Systems
- Robotics and Flexible Automation
- Modeling and Simulation
- Computer Aided Technologies
- Quality Systems
- Environment Protection Systems
- New Product Management
- Focusing on Customers and Employees
- Metrics in Processes and Systems
- Improvement of Processes and Systems
- Strategy and Vision
- Virtual Reality
- Artificial Intelligence
- Education for Production and Management in 21st century
- 21st century factories
- Restructuring of Companies
- Transition and Competitiveness

PROGRAM

September 15, 2004

10,00 to 22,00 Registration – Hotel Bellevue, Ohrid

September 16, 2004

08,00 to 10,00 Registration – Hotel Bellevue, Ohrid

10,00 Opening ceremony

Welcome speeches:

- Production and industrial engineering association, Skopje, Macedonia
- Government of the Republic of Macedonia
- Faculty of Mechanical Engineering, University "Ss. Cyril and Methodius", Skopje, Macedonia
- Technical Faculty, University "St. Kliment Ohridski", Bitola, Macedonia

10,20 - 11,00 Plenary session

Vladimir Dukovski: 21ST CENTURY CHALLANGES IN MANUFACTURING AND MANAGEMENT (MK)

Faculty of Mechanical Engineering, University "Ss. Cyril and Methodius", Skopje, Macedonia

Delco Jovanoski, Robert Minovski: THE THEORY IN THE PRACTICE:

SOME OF OUR PROJECTS FOR RESTRUCTURING / RATIONALIZATION IN THE MANUFACTURING SYSTEMS

Faculty of Mechanical Engineering, University "Ss. Cyril and Methodius", Skopje, Macedonia

11,00 Cocktail

Section M1: Manufacturing Processes and Technologies (Metalworking Industry)

11,30 - 13,30

M1-01	Zoran Pandilov, Vladimir Dukovski:
	STIFFNESS OF NUMERICAL CONTROL MACHINE TOOL FEED
	DRIVES
	Faculty of Mechanical Engineering, University "Ss. Cyril and Methodius",
	Skopje, Macedonia
M1-02	Gligorce Vrtanoski, Vladimir Dukovski:
	DEVELOPMENT OF MACHINE TOOL'S POLYMER CONCRETE
	STRUCTURES (MK)
	Faculty of Mechanical Engineering, University of "Ss. Cyril and
	Methodius", Skopje, Macedonia
M1-03	Jan Balamucki, Piotr Cichosz, Mikolaj Kuzinovski:
	COMPUTER SYSTEM FOR VISUAL ASSESMENT OF CUTTING
	TOOLS WEAR AND OTHER TECHNOLOGICAL SURFACES (MK)
	Institute of Mechanical Engineering and Automation, Wroclaw University
3.51.04	of Technology, Wroclaw, Poland
M1-04	Stojance Nusev, Ljuben Dudeski, Gligorce Vrtanovski:
	IDENTIFICATION OF STRESS-DEFORMATION STATE OF THE
	MECHANICAL CRANK PRESS STRUCTURE (MK)
M1-05	Technical Faculty, University "St. Kliment Ohridski", Bitola, Macedonia
M11-03	Georgi Ivanov, Dimcho Donkov, Desislav Totev: CNC LONGITUDINAL-SECTION ROD TURNING AUTOMATIC
	MACHINE WITH A MAGAZINE FEEDER FOR TWO-SIDED
	MACHINE WITH A MAGAZINE FEEDER FOR TWO-SIDED MACHINING OF A WORKPIECE
	Technical University – Gabrovo, Gabrovo, Bulgaria
M1-06	Georgi Ivanov, Dimcho Donkov, Desislav Totev:
WII 00	COUNTER SPINDLE FOR MACHINING THE REVERSE SIDE OF A
	WORKPIECE AS PART OF A CNC ROD TURNING AUTOMATIC
	MACHINE
	Technical University – Gabrovo, Gabrovo, Bulgaria
M1-07	B. Samakoski, A. Markoski, Z. Skoloski, A. Buckovski, A. Milosevski,
	A. Sekuloski:
	ROBOTICS AND VISION RECOGNITION FOR INTRODUCTION TO
	FLEXIBLE AUTOMATION (MK)
	MIKROSAM, Prilep, Macedonia
M1-08	Vasil Georgiev, I. Chetrokov, S.Salapateva:
	INTELLIGENT LATHE TURNING COMPUTER CONTROL SYSTEM
	MODEL
	Technical University-Sofia, Plovdiv Branch, Bulgaria

Strat: MOBILE ROBOTS USING MICROCONTROLLER Technical University "Gh. Asachi" Iaşi, Control and Computer Engineering Faculty, Iaşi, Romania M1-10 I. Karabegović, M. Jurković, V. Doleček, D. Hodžić: APPLICATION OF INDUSTRY ROBOTS AT THE FLEXIBILE CONSTRUCTION SYSTEMS University of Bihać, Faculty of Technical Engineering - Bihać, Bosnia and
Technical University "Gh. Asachi" Iaşi, Control and Computer Engineering Faculty, Iaşi, Romania M1-10 I. Karabegović, M. Jurković, V. Doleček, D. Hodžić: APPLICATION OF INDUSTRY ROBOTS AT THE FLEXIBILE CONSTRUCTION SYSTEMS
Engineering Faculty, Iaşi, Romania I. Karabegović, M. Jurković, V. Doleček, D. Hodžić: APPLICATION OF INDUSTRY ROBOTS AT THE FLEXIBILE CONSTRUCTION SYSTEMS
M1-10 I. Karabegović, M. Jurković, V. Doleček, D. Hodžić: APPLICATION OF INDUSTRY ROBOTS AT THE FLEXIBILE CONSTRUCTION SYSTEMS
APPLICATION OF INDUSTRY ROBOTS AT THE FLEXIBILE CONSTRUCTION SYSTEMS
CONSTRUCTION SYSTEMS
University of Bihać, Faculty of Technical Engineering - Bihać, Bosnia and
Hercegovina
M1-11 Miglena Dontschewa, Regine Bolter, Gdio Kempter, Karl-Heinz
Weidmann, Andreas Künz:
DEVELOPMENTS IN THE AREA OF THE VIRTUAL REALITY AT
THE USER CENTERED TECHNOLOGIES RESEARCH INSTITUTE
Technologies Research Institute, Vorarlberg University of Applied
Science, Dornbirn, Austria
M1-12 Miglena Dontschewa, Pascale Roux, Guido Kempter, Marin Marinov:
INVESTIGATION OF WEIGT-THRESHOLD FROM VIRTUALLY
HAPTICAL PERCEPTIONS
Vorarlberg University of Applied Sciences, Dornbirn, Austria

13,30 - 16,00 Lunch

16,00 – 17,30

M1-13	Sofija Sidorenko, Vladimir Dukovski:			
	KNOWLEDGE BASED SOFTWARE FOR VIRTUAL NC			
	MANUFACTURING			
	Faculty of Mechanical Engineering, University of "Ss. Cyril and			
	Methodius", Skopje, Macedonia			
M1-14	Alan Topčić, Ramiz Šelo, Džemo Tufekčić, Muhamed Mehmedović:			
	SIMULATION OF WORK OF THE VIRTUAL FLEXIBILE			
	MANUFACTURING CELL			
	Faculty of Mechanical Engineering, University of Tuzla, Tuzla, Bosina and			
	Herzegovina			
M1-15	Adelina Han:			
	A PROPOSED DESIGN FOR AN OPTIMISED LASER SYSTEM			
	"Politehnica" University of Timisoara, Faculty of Mechanical Engineering,			
	Romania			
M1-16	Miroslav Radovanovic:			
	COMPARISON OF LASER AND PLASMA CUTTING			
	Faculty of Mechanical Engineering, Nis, Serbia and Montenegro			

M1-17	Miroslav Radovanovic:	
	PRECISION CUTTING BY ABRASIVE WATERJET	
	Faculty of Mechanical Engineering, Nis, Serbia and Montenegro	
M1-18	Predrag Janković, Miroslav Radovanović, Nebojša Vićovac:	
	ESSENTIAL COMPONENTS OF ABRASIVE WATER JET CUTTING	
	MACHINES	
	Faculty of Mechanical Engineering, Nis, Serbia and Montenegro	
M1-19	Piotr Cichosz, Maciej Kowalski, Mikolaj Kuzinovski:	
	MATHEMATICAL MODELING OF DETERMINED SURFACE	
	TOPOGRAPHY (MK)	
	Institute of Mechanical Engineering and Automation, Wroclaw University	
	of Technology, Wroclaw, Poland	
M1-20	Piotr Cichosz, Maciej Kowalski, Mikolaj Kuzinovski:	
	MATHEMATICAL MODELING OF RANDOM SURFACE	
	TOPOGRAPHY (MK)	
	Institute of Mechanical Engineering and Automation, Wroclaw University	
	of Technology, Wroclaw, Poland	
M1-21	Mikolaj Kuzinovski, Vladimir Pavlovski, Piotr Cichosz, Henryk	
	Zebrowski:	
	SURFACE ENGINEERING IN THE PROCESSES OF MACHINING	
	WITH MATERIAL REMOVAL (MK)	
	Faculty of Mechanical Engineering, Skopje, Macedonia	

17,30 – 17,45 Coffee break

17,45 – 19,30

M1-22	Neven Trajcevski, Mikolaj Kuzinovski, Velimir Filiposki, Piotr		
	Cichosz:		
	COMPUTER-AIDED MEASUREMENT OF THE TEMPERATURE IN		
	THE CUTTING PROCESS BY MACHINING WITH TURNING		
	Army of Republic of Macedonia, Skopje, Macedonia		
M1-23	Dinu Gubencu:		
	THE ACTIVE CONTROL SIMULATION OF CYLINDRICAL		
	GRINDING PROCESS		
	"Politehnica" University of Timisoara, Faculty of Mechanical Engineering		
	Romania		
M1-24	Vasil Georgiev, Svetlin Lilov:		
	APPLICABILITY OF ADAPTIVE CONTROL THROUGH FEEDING		
	REGULATION IN DEEP HOLE DRILLING		
	Technical University Plovdiv, Plovdiv, Bulgaria		
M1-25	Georgi Ivanov, Asen Naidenov, Josif Mitev:		
	RELIEVING OF STEP DRILLS ON AN IZM05 AUTOMATIC MACHINE		
	Technical University – Gabrovo, Gabrovo, Bulgaria		

M1-26	Georgi Ivanov, Asen Naydenov, Josif Mitev: RELIEVING AND SHARPENING OF COMBINATION DRILLS ON AN IZM 05 AUTOMATIC MACHINE Tachnical University Cohrage Cohrage Pulcaria	M1-34	Cioara Romeo, Marascu-Klein Vladimir, Pisarciuc Cristian: COMPUTATION OF COUPLINGS WITH CONIC FRICTION SURFACES, USED ON MECHANICAL PRESSES
M1-27	Technical University – Gabrovo, Gabrovo, Bulgaria Ljiljana Petrovic, Živoslav Adamović: EXPERT SYSTEMS FOR MAINTENANCE OF TECHNIC SYSTEMS Technical faculty Mihajlo Pupin, Zrenjanin, Serbia and Montenegro	M1-35	Transilvania University of Brasov, Romania Gheorghe Catalin: ROMANIAN MACHINE TOOLS PRODUCTION AND CONSUMPTION ANALYSIS
M1-28	Stojance Nusev, Ljuben Dudeski, Gligorce Vrtanovski: EXPERIMENTAL ANALYSIS OF THE INFLUENCE OF SUPPORTING DEVICES ON STATICAL CHARACTERISTICS OF MECHANICAL CRANK PRESS (MK) Technical Faculty, University St. Kliment Ohridski, Bitola, Macedonia	M1-36	Transilvania University of Brasov, Brasov, Romania Valentina Gecevska, Mikolaj Kuzinovski, Vladimir Dukovski, Dusan Cakmakov: GENETIC ALGORITHMS FOR DESIGN OF MANUFACTURING PROCESSES
M1-29	Dimcho Donkov, Geogi Ivanov, Desislav Totev: METHODOLOGY FOR ADAPTIVE DESIGN OF TOOL COMPLEXES Technical University – Gabrovo, Gabrovo, Bulgaria	M1-37	Faculty of Mechanical Engineering, University "St. Cyril and Methodius", Skopje, Republic of Macedonia Dejan Tanikic, Miodrag Manic:
M1-30	G. Todorov, Galina Nikolcheva: ANALYSIS APPROACH OF MODULAR BASED REASSEMBLING FIXTURES	1411-37	PREDICTING CUTTING FORCES IN METAL CUTTING PROCESS USING THE ARTIFICIAL NEURAL NETWORKS Technical Faculty – Bor, University of Belgrade, Bor, Serbia and
M1-31	Technical University of Sofia, Bulgaria Slobodan Mitrovic, Bogdan Nedic: VIRTUAL SIMULATION OF A GUIDING SYSTEM FOR ECCENTRICALLY LOADED SLIDE WAYS Faculty of Mechanical Engineering, University of Kragujevac, Serbia & Montenegro	M1-38	Montenegro Valery Svinin: NEW WAYS OF REALIZATION OF VARIABLE SPEED CUTTING FOR SUPRESSION OF REGENERATIVE CHATTER VIBRATIONS IN MILLING Chita State University, Chita, Russia
20,30	Welcome dinner	M1-39	Jan Balamucki, Piotr Cichosz, Pawel Karolczak: MACHNABILITY OF ALUMINIUM COMPOSIT MATERIAL REINFORCED WITH Al ₂ O ₃ FIBRE Institute of Mechanical Engineering and Automation, Wroclaw University of Technology, Wroclaw, Poland
	September 17, 2004	M1-40	Sabahudin Ekinovic, Muhamed Mehmedovic: INFLUENCE OF MACHINING CONDITIONS ON THE CHIP
09,00 – 10,45			FORMATION PROCESS AND THE WHITE LAYER APPEARANCE IN HIGH SPEED MILLING OF HARDENED STEEL University of Zenica, Faculty of Mechanical Engineering, Zenica, Bosnia and Herzegovina
M1-32	Dinu Gubencu, Adelina Han: COMPARISON BETWEEN THE SYSTEMATIC ERRORS OBTAINED FOR CONTACT AND NO CONTACT PNEUMATIC ACTIVE CONTROL OF CYLINDRICAL SURFACES "Politehnica" University of Timisoara, Faculty of Mechanical Engineering, Romania	M1-41	Vladimir Pavlovski, Valentina Gecevska: IMPROVEMENT OF TOOL LIFE FOR CUTTING TOOLS IN CARDBOARD PRODUCTION PROCESS University "St. Cyril and Methodius", Faculty of Mechanical Engineering, Skopje, Republic of Macedonia
M1-33 Vladislav Blagojević, Čedomir Milosavljević, Miodrag Stojiljković: ADVANTAGES OF DIGITAL POSITION CONTROL WITH SLIDING MODE OF THE DOUBLE ACTING PNEUMATIC CYLINDER		10,45 – 1	1,00 Coffee break

Faculty of Mechanical Engineering of Nis, Nis, Serbia and Montenegro

11,00	_	13,00	
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M1-42	Andrijana Bocevska, Stojance Nusev:
1711 12	DETERMINATION OF MATHEMATICAL MODEL FOR
	DEPENDENCE OF TOOL LIFE FROM CUTTING DATA (MK)
	Technical Faculty, University "St. Kliment Ohridski", Bitola, Macedonia
M1-43	Angel Lengerov, R. Racev, P. Serafimova:
1111 43	INVESTIGATIO OF THE ELASTIC DEFFORMATION ERRORS IN
	TURNING OPERATIONS (MK)
	Technical University Sofija, Branch Plovdiv, Plovdiv, Bulgaria
M1-44	Angel Lengerov, R. Rachev, P. Naumovski:
	DURABILITY OF THE CUTTING TOOL AT VIBRATION CUTTING
	Technical University - Sofia, Plovdiv Branch, Bulgaria
M1-45	Peter Krajnik, Janez Kopac:
	EFFICIENCY OF FAST PROCESS CHARACTERISATION IN
	GRINDING
	Faculty of Mechanical Engineering, University of Ljubljana, Slovenia
M1-46	Genadii Takov, Slavcho Donchev, Alexandar Makedonski:
	OPTIMIZATION OF TECHNOLOGICAL FACTORS IN THE CASE OF
	OUTER FLAT GRINDING OF ALLOY STEELS
	University of Mining and Geology "St. Ivan Rilski", Sofia, Bulgaria
M1-47	Rayna Vucheva, Lubomir Rashev, Mariana Trifonova:
	NEW OPPORTUNITIES FOR PROCESSING INVESTIGATION AND
	DESIGN OF CONE-ROLL MILLS
	University of Mining and Geology, Sofia, Bulgaria
M1-48	Rayna Vucheva, Ognian Kiuchukov:
	INVESTIGATION OF THE FRICTION RELATIONS
	AT THE PROCESS OF GRINDING BY ROLLS
	University of Mining and Geology, Sofia, Bulgaria
M1-49	Rayna Vucheva, Mariana Trifonova:
	INVESTIGATION OF THE MOTION OF MATERIAL TO BE MILLED
	ON THE DISCS BY MEANS OF MATHEMATICAL MODELS
	University of Mining and Geology, Sofia, Bulgaria
M1-50	Todor Kuzmanov, Hristo Metev:
	LIFE-TIME OF GEAR MACHINING TOOLS WITH "Ni-P" COATING
	APPLIED BY "PVD" METHOD
	Technical University Gabrovo, Gabrovo, Bulgaria
M1-51	Galina Nikolcheva:
	MINIMAL DISTANCE METHOD FOR PROFILING OF END MILLS,
	FOR MACHINING OF HELICAL SURFACES
	Technical University - Sofia, Sofia, Bulgaria

M1-52	Pisarciuc Cristian, Sarbu Flavius:
	POLYCRYSTALLINE DIAMOND TOOLS IN MACHINING
	COMPOSITES MATERIALS
	Transilvania University of Brasov, Brasov, Romania
M1-53	Vesna Mandić, Milentije Stefanović:
	FORGING PREFORM DESIGN USING A FINITE ELEMENT
	SIMULATION
	Faculty of Mechanical Engineering, Kragujevac, Serbia and
	Montenegro

13,00 – 15,00 Lunch

15,00 – 16,40

M1-54	Igor Lazarev, Ljuben Dudeski, Atanas Kocov:
	DETERMINATION OF STRESS-STRAIN CONDITION FOR WIRE
	DRAWING DIE BY USING FEA
	Faculty of Mechanical Engineering, University of Ss. Cyril and Methodius,
	Skopje, Macedonia
M1-55	Plavka Skakun, Leposava Šidjanin, Miroslav Plančak, Dragiša Vilotić:
	A CONTRIBUTION TO THE INVESTIGATION OF COLD RADIAL
	EXTRUSION OF GEAR-LIKE ELEMENTS
	University of Novi Sad, Faculty of Technical Sciences, Institute for
	production engineering, Novi Sad, Serbia and Montenegro
M1-56	Srđan Mladenović, Predrag Janković:
	PARAMETRIC DESIGN OF COMPLEX SHEET METAL FORMING
	TOOLS
	Faculty of Mechanical Engineering, Nis, Serbia and Montenegro
M1-57	Jasmina Caloska, Jovan Lazarev:
	MODELING OF AL-PROFILES EXTRUSION PROCESS BY USING
	CFD TECHNOLOGY (MK)
	Faculty of Mechanical Engineering, University of "Ss. Cyril and
	Methodius", Skopje, Macedonia
M1-58	Mirko Sokovic, Peter Panjan, Robert Kirn:
	DUPLEX TREATMENT – TECHNOLOGY FOR IMPROVEMENT OF
	DIES CASTING TOOLS
	Faculty of Mechanical Engineering, University of Ljubljana, Slovenia
M1-59	Mladomir Milutinović, Miroslav Plančak, Vilotić Dragiša, Vesna
	Mandić, Milentije Stefanović:
	COLD INDENTING OF CONE- LIKE PUNCH
	Faculty of Technical sciences, Novi Sad, Serbia and Montenegro

M1-60	Atanas Kocov, Jovan Lazarev, Ljuben Dudeski, Dijana Spaseska EXPERIMENTAL DETERMINATION OF THE MECHANICAL	M1-67	Ivan Samardžić, Slavko Sebastjanović, Božo Despotović, Ljupčo Eftimov:
	PROPERTIES OF COMPOSITE MATERIAL USED FOR		BUTT WELDING OF PIPES IN STEAM BOILER MANUFACTURING
	METALFORMING TOOL DESIGN		USING CNC TIG WELDING MACHINE
	Faculty of Mechanical Engineering, University of Ss. Cyril and Methodius, Skopje, Macedonia		University in Osijek, Mechanical Engineering Faculty, Slavonski Brod, Croatia
M1-61	Cioara Romeo, Marascu-Klein Vladimir, Pisarciuc Cristian:	M1-68	Zvonimir Kolumbić, Ivan Samardžić, Štefanija Klarić:
	FAMILY OF COMPACT DEVICES FOR PRECISION CUTTING. NEW	1,11 00	COMPARISON OF MAIN WELDING PARAMETERS STABILITY
	CONSTRUCTIONS		– AUTOMATIC AND SEMIAUTOMATIC MAG WELDING
	Transilvania University of Brasov, Brasov, Romania		University in Osijek, Mechanical Engineering Faculty, Sl. Brod, Croatia
M1-62	Svetlana.A.Risteska, Jovan K.Mickovski	M1-69	Alan Topčić, Džemo Tufekčić, Ramiz Šelo:
	EXPERIMENTAL ESTIMATION OF PLASTICITY'S RESOURCE AND		INFLUENCE OF PROCESS PARAMETERS ON ROUGHNESS
	STRESS STATE AIMgSi0.5 ALLOY BY COMPRESSION FOR		AND TEXTURE OF FLAT FILL IN SURFACES OF PARTS
	DIFFERENTS TEMPERATURE AND STRAIN RATE Faculty of Technology and Metallurgy, University "Ss. Cyril and		PRODUCED BY SELECTIVE LASER SINTERING PROCESS University of Tuzla, Faculty of Mechanical Engineering Tuzla, Bosnia and
	Methodius", Skopje, Macedonia		Herzegovina
M1-63	Sarbu Flavius, Pisarciuc Cristian:	M1-70	Dobre Runčev, Lutz Dorn, Shiva Shrestha:
1,11 05	THE MACHINING OF MODERN CUTTING TOOLS MATERIALS,	1111 70	WELDING AND SURFACING WITH LASER OF AMORPHOUS
	ECD & ECDM, AN ECONOMICAL SOLUTION		MATERIALS (MK)
	Transilvania University of Brasov, Brasov, Romania		Faculty of Mechanical Engineering, University of Ss. Cyril and Methodius,
			Skopje, Macedonia
16,40 – 17,00 Coffee break		M1-71	Gjorgi Adziev, Aleksandar Sedmak:
,			STRESS-STRAIN ANALYSIS OF THE FRACTURE BEHAVIOR OF
			HAZ CRACKED WELDED SPECIMENS (MK) Faculty of Mechanical Engineering, University Ss. Cyril and Methodius,
17,00 - 1	8,45		Skopje, Macedonia
		M1-72	Călin Denes:
M1-64	Alin Nioață, Dan Dobrotă:		UNCONVENTIONAL TECHNOLOGY EMPLOYED IN THE
	THE PRINCIPLE ON WHICH THE DIMENSIONAL WORKING IS		PROCESSING OF MINIATURAL REVOLUTION SURFACES
	BASED THROUGH COMPLEX ELECTRICAL EROSION		"Lucian Blaga" University, Sibiu, Romania
M1-65	University "Constantin Brâncuși", Tirgu-Jiu, Romania Alin Nioață, Dan Dobrotă:	M1-73	Călin Denes:
W11-03	THE PARAMETERS AND FACTORS OF THE PROCESS OF		THE IMPROVEMENT IN THE HOLES' PRECISION PERFORMED
	WORKING THROUGH COMPLEX EROSION AND THEIR		USING THE WIRE ELECTRICAL DISCHARGE MACHINING
	INFLUENCE UPON THE PROCESSING	M1-74	"Lucian Blaga" University, Sibiu, Romania
	University "Constantin Brâncuşi", Tirgu – Jiu, Romania	IVI I - / 4	Nadezhda Salabasheva, Gardi Gardev, Nikolas Radev, Ivan Yanchev: INVESTIGATION OF THE CUTTING CONDITIONS IN DOUBLE
M1-66	Milan Nikolić, Dušan Jovanić:		WHEEL PLANE LAPPING
	MULTICRITERIA APPROACH TO THE SELECTION OF		University of Food Technology, Plovdiv, Bulgaria
	THE ARC WELDING METHOD	M1-75	Dr. Gašper Gantar, Prof. Dr. Karl Kuzman:
	University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin,		PLANNING OF SHEET METAL FORMING PROCESSES BY THE USE
	Serbia and Montenegro		OF NUMERICAL SIMULATIONS
			Faculty of Mechanical Engineering, Univerzity of Ljubljana, Slovenia

18,45 End of session – Closing remarks

Section M2: Manufacturing Processes and Technologies (Other Industries)

11,30 – 13,30

M2-01	Radomir Radiša, Ivan Obradović, Boško Bojović, Petar Beličev:
	APPLICATION OF NUMERICAL METHODS IN VITAL LOADED
	STRUCTURE DESIGN
	LOLA System – Lola Institute, Belgrade, Serbia and Montenegro
M2-02	Ioan Lihteţchi, Daniela Strat, Dan-Lucian Lihteţchi:
	DESCRIPTIVE GEOMETRY IN COMPUTER 3D MODELLING
	"Transilvania" University of Brasov, Descriptive Geometry and Computer
	Graphics Dept., Braşov, Romania
M2-03	Duško Letić, Eleonora Desnica:
	STRESS AND STRAIN CALCULATION BY APPLYING A METHOD
	OF FINITE ELEMENTS ANALYSIS
	Technical faculty "Mihajlo Pupin", Zrenjanin, Serbia and Montenegro
M2-04	Liviu Palaghian, Sorin Ciortan, Mioara Bucsa:
	ARTIFICIAL NEURAL NETWORKS TOOL FOR FATIGUE DAMAGE
	MODELLING
	"Dunarea de Jos" University, Galati, Romania
M2-05	Paul E. Labossiere, Kenneth E. Perry:
	CALIBRATED FINITE ELEMENT MODELING FOR NITI MEDICAL
	DEVICE MANUFACTURABILITY AND RELIABILITY
	Department of Mechanical Engineering, University of Washington, Seattle,
	Washington, USA
M2-06	Atanas Kocov, Mark Tuttle, Paul Labossiere, Patrick Gates:
	EXPERIMENTAL DETERMINATION OF BENDING FLEXURAL
	RIGIDITIES FOR TRAILSKATES
	Department of Mechanical Engineering, University of Washington, Seattle,
	Washington
M2-07	Viara Pozhidaeva:
	MODEL SPECTRUM OF THE VIBRATIONS OF RUBBER-BELT
	CONVEYORS IN OPEN PIT MINING
	Uniersity of Mining and Geology "St. Ivan Rilski", Sofia, Bulgaria
M2-08	Eleonora Desnica, Duško Letić:
	GRAPHIC COMMUNICATIONS AND NETWORK SUPPORT IN
	MACHINE MECHANISMS DESIGN
	Technical faculty "Mihajlo Pupin", Zrenjanin, Serbia and Montenegro
M2-09	Ivan Balashev:
	STUDYING THE DYNAMIC LOADS ON THE LIFTING MECHANISM
	ELEMENTS OF A ROPE ELECTRIC HOIST IN HOISTING OF
	CARGO
	Technical University - Gabrovo, Gabrovo, Bulgaria

M2-10	Ivan Lenuzzi:
	RISK MODELLING WHEN MANUFACTURING OF NEW TYPE OF
	GAS TURBINE ON THE STOCK BASIS
	Alstom Croatia Ltd., Karlovac, Croatia
M2-11	Emil Assenov, Rayna Vucheva:
	A STUDY OF KINEMATICAL AND DYNAMIC PARAMETERS
	OF CENTRIFUGAL ROLL MILL
	Technical University - Sofia, Sofia, Bulgaria
M2-12	Eugeniusz Rusinski:
	COMPUTER AIDED DESIGN VALES OF BASIC MACHINES FOR
	OPEN CAST MINING
	Institute Of Machines Design And Operation, Wroclaw University of
	Technology, Wroclaw, Poland

13,30 – 16,00 Lunch

16,00 – 17,30

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M2-13	Vlodzimir A. Lubnauer:
	DYNAMICS OF THE PLATFORM OF THE BUCKET CAR
	Department of General Mechanics, Technical University of Lodz, Lodz,
	Poland
M2-14	E. Assenov, M. Yancheva, L. Lazov:
	A METHOD OF DRIVING CRITERIA AND EQUATIONS OF
	CRITERIA IN THE WORKING PROCESS OF THE CENTRIFUGAL
	IMPACT VIBRATING MILL
	Technical University - Sofia, Sofia, Bulgaria
M2-15	Bogdan Stoyanov, Yordan Beyazov, Vlayko Peychev:
	RING JET REFLECTION FLUID SENSORS FOR OPERATION IN
	EXTREME CONDITIONS
	Institute of Metal Science, Bulgarian Academy of Sciences, Sofia, Bulgaria
M2-16	Sergey Kirov:
	THE INFLUENCE OF PLASMA-ARC THERMAL TREATMENT ON
	THE STRUCTURE FORMATION OF GREY CAST IRONS
	The Technical University of Varna, Varna, Bulgaria
M2-17	Werner Ştefănescu, Adrian Pugna, Gabriela Proștean:
1012-1/	CONSIDERATIONS REGARDING MANUFACTURING OF
	SINTERING BASALT PARTS
	Technical University "Politehnica" Timișoara, Romania

M2-18	Dan Dobrotă, Alin Nioață:
	THE INFLUENCE OF GEOMETRY UPON WEARING THE
	TOOLS DURING THE RUBBER WASTES MINCING
	University "Constantin Brâncuşi", Tîrgu-Jiu, Romania
M2-19	Dan Dobrotă, Alin Nioață:
	THE MATHEMATICAL MODELLING OF THE MINCING
	PROCESS OF THE RUBBER WASTES
	University "Constantin Brâncuşi", Tîrgu-Jiu, Romania
M2-20	Plamen Dinkov:
	INVESTIGATION OF THE ADHESION TENSILE STRENGTH OF
	THERMAL SPRAYED COATINGS WITH APPLICATION IN THE
	CHEMICAL PLANT ENGINEERING
	Institute of Metal Science, Welding Department, Sofia, Bulgaria
M2-21	Ivan Mitev:
	KINETICS OF DIFFUSION PROCESSES IN CARBONIZING IRON-
	COPPER POWDER-METALLURGIC MATERIALS
	Technical University - Gabrovo, Gabrovo, Bulgaria

17,30 – 17,45 Coffee break

17,45 – 19,30

M2-22	Sebastian Baloš, Dragan Rajnović, Marko Knežević, Leposava
	Šiđanin, Pavel Kovač:
	DEFORMATION OF GRAPHITE NODULES UNDER DIFFERENT
	LOADS
	Faculty of Technical Sciences, University of Novi Sad, Novi Sad, Serbia
	and Montenegro
M2-23	V. Toshkov, A. Zyumbilev:
	INFLUENCE OF THERMAL AND THERMO-CHEMICAL
	TREATMENTS ON THE STRUCTURE OF STEEL
	4Cr12Ni8Mn8MoVNb
	Technical university of Sofia, Sofia, Bulgaria
M2-24	Aleksandar Makedonski, Pavel Manolev, Boris Makedonski, Detchco
	Matev:
	INTEGRATED STUDY OF THE TRIBOLOGICAL
	CHARACTERISTICS OF THE FERROMAGNETIC MATERIALS
	Technical University – Sofia, Sofia, Bulgaria
M2-25	Lyubomir Stanev, Georgi Komitov:
	EFFECT OF REPAIR-RESTORE TECHNOLOGY "XADO" ON
	PROPERTY OF WORK SURFACE IN WEAR OUT PROCESS
	Technical University-Sofia, branch Plovdiv, Plovdiv, BULGARIA
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M2-26	Nikolal Kutcharov , Hristo Stresnkov, Dimiter Stankov:
	ELECTRO-CHEMICAL METHOD FOR LINKING ALUMINUM
	ALLOYS BARRELS IN "ARSENAL" JSK
	"Arsenal" JSK, Kazanlak, Bulgaria
M2-27	Dimko Dimeski, Dijana Spaseska, Zore Angelevski:
	COMPOSITE MATERIALS FOR PERSONAL BALLISTIC
	PROTECTION (MK)
	"Eurokompozit" Prilep, Macedonia
M2-28	Danijel Šogorović:
	AN ANALYSIS OF PRODUCTION OF COMPOSITE PARTS BY
	FILAMENT WINDING WITH SYSTEM'S THEORY
	Faculty of Mechanical Engineering and Computing, Mostar, Bosnia and
	Herzegovina
M2-29	Milena N. Koleva, Grigor A.Boijadjiyski:
	NON-ASBESTOS FRICTION COMPOSITE MATERIAL BASED ON
	UP/SB AND UP/SBR POLYNER SYSTEMS
	Technical University of Gabrovo, Gabrovo, Bulgaria
M2-30	Boris Jankovski, Ljuben Dudeski:
	NEW MATERIAL AN TECHNOLOGY FOR FIRE DISTINGUISHER
	VEDA, Skopje, Macedonia
M2-31	Vineta Srebrenkoska, Gordana Bogoeva-Gaceva, Dime
	Dimeski:
	FEATURES OF PULTRUDED MATERIALS WITH DIFFERENT
	TYPES OF POLIMER MATRECES (MK)
	Eurokompozit 11 Oktomvri, Prilep, Makedonija

20,30 Welcome dinner

September 17, 2004

9,00 - 10,45

M2-32	Dijana Spaseska, Jadranka Blazevska-Gilev:
	TECHNOLOGY TRANSFER FOR POLYMER WASTE RECYCLING
	(MK) Faculty of Technology and Metallurgy, University "Ss. Cyril and
	Methodius", Skopje, Macedonia
M2-33	Rozeta Evtimova, Rositsa Madjarova, Denitsa Georgieva, Hans-
	Dieter Hunger, Gerhard Behrendt:
	POLYMER WOOD COMPOSITES BASED ON RECYCLING
	PRODUCTS FROM CONDENSATION POLYMERS
142.24	University of Chemical Technology and Metallurgy, Sofia, Bulgaria
M2-34	Jasmina Caloska, Valentino Stojkovski, Dimitri Kozinakov:
	INFLUENCE OF PERCENTAGE OF RECYCLED MATERIAL INTO
	THE BASIC MATERIAL TO THE MECHANICAL CHARACTERISTICS OF PE100 PIPES (MK)
	Faculty of Mechanical Engineering, University of Ss. Cyril and Methodius,
	Skopje, Macedonia
M2-35	Donka Bodurova, Milcho Angelov:
1412-33	INTENSIFICATION THE PROCESS OF WATER PURIFICATION BY
	HYDRODYNAMIC CAVITATION
	University of Food Technologies, Plovdiv, Bulgaria
M2-36	Salah – Eldien Omer, Minka Ćehić:
	RATIONALIZATION USING OF WOODEN MASS TO APPLICATION
	IN CIVIL ENGINEERING
	University of Bihać, Technical faculty Bihać, Bihać, Bosnia and
	Herzegovina
M2-37	Maya Paskaleva:
	ONE CONTEMPORARY PERSPECTIVE OF COUNTRY OF ORIGIN
	INFLUENCE ON MULTI-NATIONAL PRODUCTS IN FURNITURE
	INDUSTRY,
	Rousse University "Angel Kanchev", Rousse, Bulgaria
M2-38	Vitomir Stojanovski, Sotir Panovski, Andrijana Bocevska:
	PRODUCTION OF SILCA AND PROTECTION OF THE
	ENVIRONMENT IN "SEPARACIJA" – OSLOMEJ FACTORY (MK)
	Technical Faculty, University "St. Kliment Ohridski", Bitola, Macedonia
M2-39	Isak Karabegović, Darko Ujević, Stana Kovačević, Bajro Bolić:
	FLEXIBILE TRANSPORT MEANS AT THE CLOTHING INDUSTRY,
	University of Bihać, Technical faculty Bihać, Bosnia and Hertzegovina

M2-40	T. Nikolov, M. Slavovski , P. Mitev, V. Nenov, N. Stojanov:
	IMPROVING THE EQUIPMENT AND TECHNOLOGY FOR THE
	PRESSING PROCESS IN WINE-MAKING (MK)
	University of Food Technologies, Plovdiv, Bulgaria
M2-41	Georgi Komitov, Lyubomir Stanev, Stoicho Stoev:
	VARIATION OF TECHNICAL CONDITION TO HIGH-PRECISION
	UNITS IN EXPLOITATION PROCESS
	Technical University-Sofia, branch Ploydiy, Ploydiy, BULGARIA

10,45 – 11,00 Coffee break

11,00 – 13,00

M2-42	Nikolaj Hinov:
	MATHCAD SIMULATION OF A 3-PHASE FULLY CONTROLLED
	BRIDGE RECTIFIER WITH AN RL LOAD
	Technical University of Sofia, Faculty of Electronic Engineering and
	Technology, Sofia, Bulgaria
M2-43	Nikolaj Hinov, Dimitar Vakovsky:
	MATHCAD SIMULATION OF A SINGLE-PHASE FULLY
	CONTROLLED BRIDGE RECTIFIER WITH AN RL LOAD
	Technical University of Sofia, Faculty of Electronic Engineering and
	Technology, Sofia, Bulgaria
M2-44	Svetlana A.Risteska , Jovan K. Mickovski:
	EFFECT OF STRAIN RATE AND TEMPERATURE ON THE
	DEFORMATION BEHAVIOR OF AIMg5 ALLOYIN UNIAXIAL
	COMPRESSION (MK)
	Faculty of Technology and Metallurgy, University "Ss. Cyril and
	Methodius", Skopje, Macedonia
M2-45	Dimitri Kozinakov, Zoran Bogatinoski:
	ALUMINIUM STRUCTURES DEVELOPMENT OF NEW PRODUCTS
	AND OPORTUNITIES FOR THEIR APPLICATION IN REPUBLIC OF
	MACEDONIA (MK)
	Faculty of Mechanical Engineering, University Ss. Cyril and Methodius,
	Skopje, Macedonia
M2-46	L.A. Dobrzański, Z. Brytan, M. Rosso, M. Actis Grande:
	STRUCTURE AND MECHANICAL PROPERTIES OF SINTERED
	DUPLEX STEELS
	Silesian University of Technology, Gliwice, Poland
M2-47	Leszek A. Dobrzański, Jacek Trzaska:
	MODELLING RELATIONSHIP BETWEEN THE STEEL CHEMICAL
	COMPOSITION AND THE TEMPERATURE OF THE PEARLITIC
	TRANSFORMATION START
	Silesian University of Technology, Gliwice, Poland

M2-48	Leszek A. Dobrzański, Małgorzata Drak:
	APPLICATION PROPERTIES OF POLYMER MATRIX HARD
	MAGNETIC COMPOSITE MATERIALS REINFORCED WITH ND-FE-
	B NANOCRYSTALLINE PARTICLES WITH METAL ADDITION
	Silesian University of Technology, Gliwice, Poland
M2-49	Iosif Szeidert, Gabriela Prostean, Ioan Filip, Cristian Vasar:
	CONSIDERATIONS REGARDING THE USAGE OF WIND ENERGY
	CONVERSION SYSTEMS
	"Politehnica" University - Timisoara, Timisoara, ROMANIA
M2-50	Mincho Minchev, Ekaterina Koleva, Ivan Kiryakov, Zahari Velchev:
	A STUDY ON SOLAR RADIATION INTENSITY IN THE CITY OF
	PLOVDIV
	University of Food Technologies, Plovdiv, Bulgaria
M2-51	Janko Jancevski:
	EDUCATION SOFTWARE FOR MECHANICAL SYSTEMS WITH
	DIRECT STRUCTURED MODIFICATION (MK)
	Faculty of Mechanical Engineering, University Ss. Cyril and Methodius,
	Skopje, Macedonia
M2-52	Dimitar Lozanov Donchev, Jordanka Stamenkova Angelova:
	ECONOMIC ANALYSIS OF RENEWABLES IN ENERGY SUPPLY IN
	THE GLOBAL ENERGY RESERVES
	Technical University – Sofia, Sofia, Bulgaria
M2-53	S. Kartunov:
	SIMULATING TECHNOLOGICAL PROCESSES FOR THE
	PRODUCTION OF MICRO COMPONENTS
	Department of Mechanical Appliances, University of Technics, Gabrovo,
	Bulgaria

13,00 – 15,00 Lunch

15,00 – 16,00

M2-54	Martin Bosak, Milan Majernik, Miroslav Badida, Ervin Lumnitzer:
	RECYCLING-MANAGEMENT FOR TO DECLINE AUTO-WRECK IN
	SLOVAK REPUBLIC
	Technical University of Kosice, Kosice, Slovak Republic
M2-55	Milan Majerník, Miroslav Badida, Martin Bosak, Ervin Lumnitzer,
	Jozef Mihok:
	USAGE OF MATHEMATICAL-STATISTICAL METHODS IN
	COMBUSTION PROCESSES MODELING AND SIMULATION
	Technical University of Kosice, Kosice, Slovak Republic
M2-56	Rainer Langenstraßen, Stanislav Fulev, Gerhard Behrendt:
	ANALIZING THE REACTION OF PRE-ESTERIFICATION OF PET
	(MK) Technische Fachhochschule Wildau, Germany

venelina Popova, Panteley Deney, ventsisiav Nenov, Abdel Karim
Omar:
EFFECT OF THE COMPOSITION OF RECONSTITUTED TOBACCO
SHEET ON ITS PHYSICAL AND TECHNOLOGICAL PROPERTIES
University of Food Technologies, Plovdiv, Bulgaria
Zoran Bogatinovski, Dimitri Kozinakov:
NUMERICAL MODELING OF BEAM - COLUMN CONNECTIONS A
MULTI-STOREY COMPOSITE STRUCTURES USING DRAIN-2DX
Faculty of Mechanical Engineering, University "Ss. Cyril and Methodius"
Skopje, Macedonia
Ivan Barzov, Stefan Parashkevov:
DETERMINATION OF THE NESESERI NUMBER OF WELLDED
SEAMS OF STATOR BATCHETS OF CONICAL ELECTRICAL
MOTORS
Technical University - Gabrovo, Gabrovo, Bulgaria

16,00 End of session – Closing remarks

Section M0: Industrial Engineering and Management

11,30 – 13,30

M0-01	Todor Kralev:
	MARKETING, MANAGEMENT AND ENTREPRENEURSHIP –
	BUSINESS, AS WELL AS UNIVERSAL APPROACHES (MK)
	Department for Industrial Engineering and Management, Faculty of
	Mechanical Engineering, University Ss. Cyril and Methodius, Skopje,
	Macedonia
M0-02	Panayiotis H. Ketikidis:
	INTEGRATING SUPPLY CHAIN MANAGEMENT
	City Liberal Studies, Affiliated Institution of the University of Sheffield,
	Thessaloniki, Greece
M0-03	S. C. Lenny Koh, Panayiotis H. Ketikidis, B. Dong:
	INTEGRATING SUPPLY CHAIN MANAGEMENT AND ENTERPRISE
	RESOURCE PLANNING: A CASE OF A PAPER MANUFACTURING
	COMPANY IN CHINA
	University of Sheffield, Management School, Sheffield, United Kingdom
M0-04	Ivan Dimitrov:
	CLASSIFICATION OF LOGISTICS SYSTEMS
	University "Prof. Dr. As. Zlatarov" – Bourgas, Bulgaria
M0-05	Fani Uzunova:
	RELATIONSHIPS BETWEEN KLIENTS AND BUSINESS
	ORGANIZATIONS IN THE CONTEXT OF SUSTAINABLY
	RESPONSIBLE BEHAVIOR
	Technical University – Varna, Varna, Bulgaria
M0-06	Iskra Dukovska-Popovska, Jens Ove Riis:
	RESPONDING TO STRATEGIC CHALLENGES: MANUFACTURING
	VISION DEVELOPMENT
	Center for Industrial Production, Aalborg University, Aalborg, Denmark
M0-07	Arnoldina Pabedinskaitė:
	COMPETITIVE STRATEGY FOR A PROCESSED MATERIALS
	ENTERPRISE
	Vilnius Gediminas Technical University, Vilnius, Lithuania
M0-08	Elizabeth Schindler and Rayna Galabova:
	BENCHMARKING – ANALYSIS AND COMPARISON OF
	COMPETITIVE ADVANTAGES
M0-09	Borce Nasteski, Cvetko Smileski:
	STRATEGY AND POLICY FOR GROWTH AND DEVELOPMENT OF
	ORGANIZATION (MK)
	Faculty of Pedagogy, University "St. Kliment Ohridski", Bitola,
	Macedonia

M0-10	Vaska Dimitrova:
	GENERALIZING AAKER & KELLER'S MODEL BY CONSUMER
	PERCEPTIONS OF BRAND EXTENSIONS
	University of Chemical Technology and Metallurgy, Department of
	Economics and Industrial Management Sofia, Bulgaria
M0-11	Vaska Dimitrova:
	INDEPENDENT EMPIRICAL SUPPORT FOR PORTER'S GENERIC
	MARKETING STRATEGIES
	University of Chemical Technology and Metallurgy, Department of
	Economics and Industrial Management Sofia, Bulgaria
M0-12	Gjorgi Filipov, Vladimir Dukovski:
	PATENT PORTFOLIO MANAGEMENT AS A POWERFULL
	INSTRUMENT FOR TECHNOLOGY TREND DETERMINATION
	BERIN Ltd., Skopje, Macedonia

13,30 – 16,00 Lunch

16,00 – 17,30

M0-13	Georgy Tzvetkov:
	TECHNOLOGY AND PRODUCTION MANAGEMENT – TWO
	CONECTED AND INTERRELATED SUBSYSTEMS OF THE
	BUSINESS MANAGEMENT
	Technical University – Sofia, Sofia, Bulgaria
M0-14	G. Tzvetkov, J. Petrova, N. Angelov:
	THE INFLUENCE OF CHANGES IN A TECHNOLOGICAL
	SYSTEM UPON THE PRODUCTION MANAGEMENT
	Faculty of Management in Technical University of Sofia, Sofia, Bulgaria
M0-15	Georgi Tzvetkov, Lubka Tchankova:
	ASPECTS OF RISK MANAGEMENT IN ENTERPRISE
	PRODUCTION MANAGEMENT
	Faculty of Management, Technical University of Sofia, Sofia, Bulgaria
M0-16	Mladen Velev:
	DEFINING PRODUCT COMPETITIVENESS
	Technical University - Sofia, Faculty of Management, Sofia, Bulgaria
M0-17	Miroslav Car, Dimitar Petrovečki:
	CREATIVITY, INVENCY, INNOVATION AND ENTREPRENEUER
	BUT WORK STUDY AND ERGONOMICS IN ORK RESEARCH AND
	APPLICATION
	Faculty of Mechanical Engineering and Naval Architecture, Zagreb,
	Croatia

M0-18	Kiril Georgiev:
	TOWARDS AN OPEN SOURCE PRODUCT DEVELOPMENT
	Technical University – Varna, Varna, Bulgaria
M0-19	Diana Antonova:
	COMPANY STRATEGIES FOR SUCCESSFUL
	NEW PRODUCT DEVELOPMENT
	University of Rousse "Angel Kanchev", Faculty of Business and
	Management, Rousse, Bulgaria
M0-20	Aleksandar Karaev, Stelios Kehaghias, Lenny Koh:
	THE USE OF CLUSTER APPROACH IN IMPROVING THE
	COMPETITIVENESS OF MANUFACTURING SME's
	GTZ Project Private Sector Promotion, Skopje, Macedonia
M0-21	Pisarciuc Cristian, Sarbu Flavius:
	SMALL ENTERPRISES IN THE NET ECONOMY
	Transilvania University of Brasov, Brasov, Romania

17,30 – 17,45 Coffee break

17,45 – 19,30

M0-22	Vasyl G. Gerasimchuk:
	ECONOMIC POLICY OF STATE: MECHANISM OF MANAGEMENT
	National technical university of Ukraine "Kyiv polytechnic institute"
	Faculty of management and marketing, Kyiv, Ukraine
M0-23	Loretta Parashkevova:
	THE RELATIONSHIPS MARKETING OF SMALL ANF MEDIUM
	SIZED ENTERPRISES AND THE NET ECONOMY
	Varna Free University, Varna, Bulgaria
M0-24	Bedri Ademi:
	FAMILY BUSINESS MANAGEMENT (MK)
	University of SEE, Tetovo, Macedonia
M0-25	Patryk Babiarz, Maciej Piotrowski, Bartosz Pomianek, Malgorzata
	Wawrzynkiewicz, Robert Freund:
	PREREQUISITES FOR SUCCESSFUL INTRODUCTION OF MASS
	CUSTOMIZATION STRATEGY IN CENTRAL EUROPE
	Uniersity of Information Technology and Management, Rzeszow, Poland
M0-26	Zoran Anisic, Ilija Cosic, Bojan Lalic:
	MASS CUSTOMIZATION AND THE PROCESS OF PRODUCTION
	SYSTEMS DESIGNING – CASE STUDY
	University of Novi Sad, Faculty of Technical Sciences, Department of
	Industrial Engineering and Management, Novi Sad, Serbia & Montenegro
	6 6

M0-27	Donka Ivanova:
	GROWTH, EMPLOYMENT AND INCOME
	Technical University - Varna, Varna, Bulgaria
M0-28	Nikolai Anguelov:
	STRUCTURAL MODEL FOR KNOWLEDGE TRANSFORMATION
	UNDER MARKET ECONOMY CONDITIONS
	Technical University of Sofia, Sofia, Bulgaria
M0-29	Mladen Tonev:
	PECULIARITIES OF LABOUR MARKET IN BULGARIA REFERRING
	TO THE STRUCTURE OF THE PARTICIPANTS AND THE STREAMS
	OF MOVEMENT OF THE LABOUR RESOURCES
	Varna Free University "Chernorizets Hrabur", Varna, Bulgaria
M0-30	Zivko Avramov, Marko Caric, Biljana Rodic:
	ENTROPY AND STABILITY OF PRODUCTION SYSTEMS
	Faculty of technical sciences, Institute of Industrial Systems Engineering,
	Novi Sad, Serbia and Montenegro
M0-31	Ivan Dakov, T. Lefterova, C. Nedeva:
	VIRTUAL CELLULAR MANUFACTURING SYSTEMS: A FACILITY
	LOCATION METHOD
	Technical University - Sofia, Sofia, Bulgaria

20,30 Welcome diner

September 17, 2004

9,00 - 10,45

M0-32 Robert Minovski, Delco Jovanoski, Gabriela Kostovska, Geir Lundgard-Soug: PROCESS RESTRUCTURING – LAYOUT DESIGN THROUGH RATIONALIZATION OF THE MATERIAL FLOW Faculty of Mechanical Engineering, University Ss. Cyril and Methodius, Skopje, Macedonia M0-33 Hristo Krachunov:

O-33 Hristo Krachunov: ASPECTS AND TRENDS IN ELABORATION OF INVESTMENT PROJECTS FOR TECHNOLOGICAL RESTRUCTURING OF PRODUCTION ENTERPRISES

Technical University Varna, Varna, Bulgaria

M0-34	Miljko Kokić: THE STRUCTURE AND THE PRODUCTION CYCLE DURATION AS A CONDITION FOR THE AUTOMATIZATION INTRODUCTION Zastava Vehicles Group, Kragujevac, Serbia and Montenegro	M0-43	Tome Jolevski, Silvana Angelovska, Zore Angelovski: PERFORMANCE INDICATORS – BASIS FOR SUCCESSFUL APPLICATION OF BENCHMARKING TO MAINTENANCE (MK) Technical Faculty, University "St. Kliment Ohridski", Bitola, Macedonia
M0-35	Ognyan Andreev: A NEW CLASSIFICATION OF THE METHODS FOR MANUFACTURING DEPARTMENTS' WORK COORDINATION Technical University – Sofia, Sofia, Bulgaria	M0-44	Natalia Nikolova, Dimtrichka Makedonska, Kiril Tenekedjiev: DECISION CONTEXT IN THE DEFINITION OF AN OPTIMAL SET OF SPARE PARTS Technical University, Varna, Bulgaria
M0-36	Maya Kaligorova: THE MATERIALS ECONOMY – CHALLENGES AND NEW REQUIREMENTS Technical University of Sofia, Department of Industrial engineering and	M0-45	Mladen Velev: AN APPROACH FOR EVALUATION OF COMPANY COMPETITIVENESS Technical University of Sofia, Faculty of Management, Sofia, Bulgaria
M0-37	management, Sofia, Bulgaria Maya Kaligorova: THE WAYS FOR BUILDING AN INTEGRATED MANAGEMENT OF THE MATERIALS ECONOMY Technical University of Sofia, Department of Industrial engineering and	M0-46	Predrag Cosic, Andrija Levanic: IMPROVING PROCESS PLANNING THROUGH PRODUCTION COSTS University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture, Zagreb, Croatia
M0-38	management, Sofia, Bulgaria Ilia Popov: NEW CONSTRUCTIVE – TECHNOLOGICAL APPROACH AT MODERNIZING THE PRODUCTION EQUIPMENT	M0-47	Radmil Polenakovik, Liljana Polenakovik: RECOGNIZING COSTS RELATED TO POOR HIRING DECISIONS Department for Industrial Engineering and Management, Faculty of Mechanical Engineering, University Ss. Cyril and Methodius, Skopje,
M0-39	Technical University Sofia – Branch Plovdiv, Plovdiv, Bulgaria Goce Armenski, Marjan Gusev: TOWARDS PAPERLESS OFFICE Faculty of Natural Sciences and Mathematics, Ss. Cyril and	M0-48	Macedonia Darina Pavlova, Kiril Georgiev: BUILDING UP COMPETITIVE ADVANTAGES USING TECHNOLOGY TRANSFER
M0-40	Methodius University, Skopje, Macedonia Ivan Dimitrov, Stojanka Petkova: THEORETIC INVESTIGATION OF THE DETERMINANTS IMPACT ON THE LEVEL OF DECENTRALIZATION AND PERFORMANCE	M0-49	Technical University - Varna, Varna, Bulgaria Kiril Anguelov, Ivan Dakov, Vladislav Lazarov: RE-ENGINEERING OF THE ADMINISTRATIVE SERVICE OF STUDENTS IN HIGHER SCHOOLS
M0-41	MEASUREMENT SYSTEM CHOICES University "Prof. Ass. Zlatarov", Bourgas, Bulgaria Nedka Nikolova: IDENTIFICATION OF THE FACTORS AND SYMPTOMS OF THE BANKRUPTCY OF THE COMPANY	M0-50	Technical University of Sofia, Department of Industrial engineering and management, Sofia, Bulgaria Milan Stojceski: BUILDING CONTINUOUS IMPROVEMENT OF PROCESSES (MK) Technical Faculty, University "St. Kliment Ohridski", Bitola, Macedonia
10,45 – 1	Technical University – Varna, Varna, Bulgaria 1,00 Coffee break	M0-51	Valentin Neață: SOME CONSIDERATIONS ON BUSINESS IMPROVEMENT BY ENHANCING CUSTOMERS SATISFACTION "Lucian Blaga" University of Sibiu, Faculty of Engineering, Sibiu, Romania
11,00 – 13,00		M0-52	Atanas Tashev, Valentina Nikolova-Aleksieva: BUSINESS PROCESS REENGINEERING – A POSITIVE WAY TO RADICAL CHANGE
M0-42	Živoslav Adamović, Ljiljana Petrovic: VIRTUAL FACTORY AND MAINTENANCE Technical faculty Mihajlo Pupin, Zrenjanin, Serbia and Montenegro		Technical University – Sofia, Branch Plovdiv, Bulgaria

M0-53	Valentin Neață:
	SOME CONSIDERATIONS ON THE RELATIONSHIP BETWEEN A
	FIRM'S TOTAL QUALITY MANAGEMENT AND CUSTOMER
	LOYALTY
	"Lucian Blaga" University of Sibiu, Faculty of Engineering, Sibiu,
	Romania

13,00 – 15,00 Lunch

15,00 - 16,40

M0-54	Elka Vassileva, Vaska Dimitrova:
	ADDITIONAL BENEFITS, WHAT THE BRANDS SUGGEST BY
	SELECTED PARFUMERIE AND COSMETIC PRODUCTS IN
	BULGARIA
	University of National and World Economy, Department of Commodity
	Sciences, Sofia, Bulgaria
M0-55	Vesna Bucevska:
	THREE STRATEGIES FOR CONNECTION OF QUALITY POLICIES,
	OBJECTIVES AND PROCESSES (MK)
	Faculty of Economics, University "Ss. Cyril and Methodius", Skopje,
	Macedonia
M0-56	Neviana Taneva, Lidia Galabova:
	ROLE OF THE SIX SIGMA APPROACH IN INNOVATION PROCESS
	Technical University – Sofia, Sofia, Bulgaria
M0-57	Zoran Minovski:
	COST SYSTEM IN QUALITY MANAGEMENT AND ITS
	CONTINUOS IMPROVEMENT (MK)
	Faculty of Economics, University Ss. Cyril and Methodius, Skopje,
	Macedonia
M0-58	Stanislav Škapa:
	USING RESAMPLING METHODS FOR AN ESTIMATION OF
	PROCESS CAPABILITY INDEXES
	Faculty of Bussines and Management, Technical University Brno, Czech
	Republic
M0-59	Ljupco Pecijareski:
	INFLUENCE OF THE ORGANIZATIONAL CULTURE ON THE
	CONTEMPORARY MANAGEMENT (MK)
	Faculty of Economics, University "St. Kliment Ohridski", Prilep,
	Macedonia

M0-60	Ulrich Heyder: TEAM BUILDING AND ORGANIZATIONAL DEVELOPMENT
	Institut für Sozialwissenschaften, Technische Universität Braunschweig,
	Germany
M0-61	Elenica Sofijanova:
	SOURCES FOR INTER-GROUP CONFLICTS AS A CRITICAL
	FACTORS FOR INSTABILITY AN INFLEXIBILITY (MK)
	ISPPI, University "Ss. Cyril and Methodius", Skopje, Macedonia
M0-62	Slavica Petreska:
	WORKING SPEED OF A GENERAL MANAGER (MK)
	Macedonian Post, Prilep Branch for Regional Traffic, Prilep, Macedonia
M0-63-	Olga Geraskova:
	SMALL FIRM OWNER: MANAGER - LEADER IN CHANGE
	PROCESS IN THE FIRM,
	Tehnical university – Sofia, Sofia, Bulgaria

16,40 – 17,00 Coffee break

17,00 – 19,00

Violeta Subeska-Todorovska, Radmil Polenakovik, Novica
Todorovski:
CREATING NEW EMPLOYEE PROFILE IN THE ORGANIZATIONS
(MK) Faculty of Mechanical Engineering, University Ss. Cyril and
Methodius, Skopje, Macedonia
Natasha Nestorovska:
MODEL OF CHARACTERISTICS OF BUSINESS-LEADERSHIP (MK)
ISPPI, University "Ss. Cyril and Methodius", Skopje, Macedonia
Natasha Kraleva:
NEGOTIATION AS A MANAGEMENT FUNCTION (MK)
ISPPI, University "Ss. Cyril and Methodius", Skopje, Macedonia
Vania Ivanova:
SITUATION AND EXPECTATION FOR DEVELOPMENT OF THE
BULGARIAN TELECOMMUNICATION MARKET
Higher College of Telecommunication and Post
Sofia, Bulgaria
Dimitar Dimitrakiev, Natalia Nikolova, Kiril Tenekedjiev:
BENEFITS OF USING SIMULATION SYSTEMS TO TEST IN-QUEUE
FLIGHT PERFORMANCE
Technical University – Varna, Varna, Bulgaria
Vanco Donev, Redzep Bedzeti:
SIMULATION DRIVING SCHEDULE OF JSP – SKOPJE (MK)
Faculty of Mechanical Engineering, University Ss. Cyril and Methodius,
Skopje, Macedonia

M0-70	Monica Cojocaru, Calin Deneş:
	THE ROLE OF ENGLISH IN IMPROVING COMMUNICATION IN
	THE ROMANIAN INDUSTRIAL ENVIRONMENT
	"Lucian Blaga" University, Sibiu, Romania
M0-71	Vladimir Desnica, Dragana Sarac:
	REORGANIZATION OF DELIVERY SERVICE BY MEANS OF
	DECENTRALIZATION
	JP PTT saobracaja "Srbija", Novi Sad, Serbia an Montenegro
M0-72	Daniela Dragneva Dimova:
	RISK ASSESSMENT IN BUSINESS PLANNING
	Technical University – Gabrovo, Bulgaria
M0-73	Snezana Ristevska-Jovanovska, Pance Jovanovski:
	TRENDS IN ORGANIZATIONAL BUYING ON B&B MARKETS AND
	BUYING PROCESS (MK)
	Faculty of Economics, University Ss. Cyril and Methodius, Skopje,
	Macedonia
M0-74	Gabriela Proștean, Adrian Pugna, Constantin Cosovan:
	STRATEGY OF CONTROL DEVELOPED FOR PROJECT
	MANAGEMENT INTELLIGENT SYSTEM
	University Politehnica of Timisoara, Timisoara, Romania
M0-75	Mircea Nitulescu, Anca Draghici:
	HUMAN INTERFACE OPTIMISATION USING AN
	ERGONOMICS DESIGN AND ANALYSIS METHODOLOGY
	"Transilvania" University of Brasov, Brasov, Romania
M0-76	Snezhanka Ovcharova, Hristo Krachunov:
	HUMAN RESOURCE MANAGEMENT IN THE FIELD OF
	INTELLECTUAL SERVICES AND KNOWLEDGE
	Varna Free University, Varna, Bulgaria
M2-77	Cristian Vasar, Gabriela Prostean, Ioan Filip, Iosif Szeidert:
	A PETRI NET APPROACH TO THE MODELLING AND ANALYSIS
	OF MANUFACTURING SYSTEMS
	"Politehnica" University of Timisoara, Timisoara, Romania
19,00	End of session - Closing remarks

September 18, 2004

08,00 – 18,00 Sightseeing, Ohrid and area

Official languages of the conference are Macedonian and English.

First author address is shown in the Program.

(MK) – written in Macedonian language.

Conference web site: http://www.mf.ukim.edu.mk

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