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MAIN TOPICS

1. MANUFACTURING TECHNOLOGIES AND MATERIALS

Assembly and Disassembly; MachiningNonconventional Machining, Tools, High Speed Machining; Dry Cutting, MQL Machining, High Performance Machining, Rapid Prototyping, Micromachining, Manufacturing Processes, Welding Processes; Plastic Forming Processes; Materials; Engineering of Polymers; Powder Metallurgy; Measuring; Thin &Thick Coatings; Surface Engineering; Molding Processes; CAM technologies; ...other subtopics

2. INDUSTRIAL ENGINEERING

Diagnostic; Expert Systems; Autonomous Systems; Environmental Design; Reengineering; Knowledge Based Systems; Robot Applications; Mobile Robots; Optimizations, Reliability, Safety, Production Systems, Agile Manufacturing, Concurrent Manufacturing; Control, Flexible Manufacturing Systems; Hybrid Manufacturing Systems; CAP technologies; CIM technologies; Knowledge Management, Project Management, Production Management Systems, Quality Management, TQM, Maintenance, Nondestructive Testing, Operational Research Applications in Production, Scheduling, Supply Chain Management, Logistics, Electrical Engineering, Power Systems,Energetic; Ecology, Environmental Engineering ...other subtopics

3. APPLIED TECHNOLOGIES AND SOFTWARE ENGINEERING

Software Engineering Applications, Sensors; Industrial Robots; Microrobotics; Programming; Simulations, Virtual Manufacturing; Industrial Automation; Hardware & Software; Signal Processing, Networking; Neural Network; Artificial Intelligence, Engineering Education Systems ...other subtopics

4. MECHANICAL CONSTRUCTIONS & DESIGN

Design and Construction; Design Automation; Robots-Kinematics, Dynamics; Mechanism; Numerical Methods; Optimal Design, Tolerance Analysis; CAD technologies; Environmental Design, Fluid Mechanics, Mechatronics ...other subtopics

TYPE OF PRESENTATION

ORAL PRESENTATION is limited to 10 minutes + 5 minutes for discussion. Presenters can use overhead transparencies or PowerPoint slide shows.

CONFERENCE DATE AND VENUE

This year Organising Committee decided to bring something new and refreshing to our participants - Mediteranean Sea Cruising. The tour starting from city Venice (Italy) with stops in Bari, Katakolon, Mykonos, Atina, Dubrovnik. Conference will take place on the Cruise Ship during sailing tour, September 24th to October 1st 2016.

MSC MAGNIFICA

You'll find the *MSC Magnifica* is a ship for all seasons. She features a pool with plenty of lounges and a retractable roof, so you'll be comfortable even if the weather is a bit nippy. Don't miss a chance to attend a screening at the 4D theater, where your seat will move you as you watch the movie. Spend a sea day at the Aurea Spa, which offers you a tranquil atmosphere where you can choose from a variety of enticing options, like aromatherapy, hot stone massages or cleansing facials. After this refreshing experience you'll want to spend the night on the town, so to speak, so have dinner at the glamorous L'Edera Main Dining Room and then put it all on black at the MSC Magnifica's onboard casino. Though MSC Cruises is best known for their Mediterranean dishes, you'll really be impressed by the Oriental Plaza Restaurant aboard the MSC Magnifica.

Spa life on the MSC Magnifica is marvelous. The Aurea Spa offers passengers a wide array of services and has treatment rooms with exotic services. For instance, you could spend some time relaxing in the Turkish baths after you indulge in a Balinese four-handed massage. On the Magnifica, Aurea stands for serenity.It's time to bust out your favorite pair of dancing shoes because the T32 Disco is the spot to get down. This nightclub on the MSC Magnifica offers great views of the surrounding waters, and a steady groove to get your moving. Open late, this is the spot on the ship to party till the early hours of the morning.

CONFERENCE FEE

The conference fee is: **250,00 EUR+ 25,00 EUR (for poster presentation).**
The conference fee includes the following: a copy of TMT Conference Proceedings and accompanying materials, admission to all sessions and presentations, refreshments.
Gala dinner and welcome drink will be organized according to ship captain protocol.

CORRESPONDENCE

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ACCOMMODATION

Dear colleagues
TMT 2015 Organizing Committee wish to inform all possible participants and travelers on the Mediterranean Cruise the Centrotours travel agency responsible for the overall organization of the tourist part of the trip.
All reservation as well as additional information can be found on:

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Mediterranean Sea Cruising

Venecija – Bari – Katakolon – Mykonos – Atina – Dubrovnik – Venecija

Date	Day	Arrival	Depart.	Port
24.09.	SAT	...	16^{30}	Venice
25.09.	SUN	10^{00}	15^{00}	Bari
26.09.	MON	8^{00}	15^{00}	Katakolon
27.09.	TUE	9^{00}	20^{00}	Mykonos
28.09.	WED	7^{30}	19^{30}	Piraeus/Athens
29.09.	THU	...	...	Sailing
30.09.	FRI	9^{00}	15^{00}	Dubrovnik
01.10.	SAT	9^{00}		Venice

SCHEDULE OF EVENTS

WELCOME DRINK will be announced during the seling on the ship

GALLA DINNER will be announced during the seling on the ship

THURSDAY, September 29th (Deck___)

08.00 – 09.00	**Registration of Conference Participants**
09.00 – 10.30	**Conference Opening & Papers Presentations**
10.30 – 11.00	**Coffee Break and Posters Presentations**
11.00 – 12.30	**Papers Presentations**
12.30 – 14.00	**Lunch Break**
14.00 – 15.30	**Papers Presentations**
15.30 – 16.00	**Coffee Break**
16.00 – 17.30	**Papers Presentations**
17.30 – 18.00	**Coffee Break**
18.00 – 19.30	**Papers Presentations**

SCHEDULE OF PAPERS PRESENTATIONS

THURSDAY, September 29th
08.00 – 09.00 Registration of Conference Participants

THURSDAY, September 29th
09.00 – 10.30 Conference Opening & Papers Presentations

THURSDAY, September 29th **Manufacturing Technologies**
09.00 – 10.30 Papers presentations session
Chairmen: Ali Gungor, Darko Petkovic

1. Improved Neural Models For Roughness In Honing Processes
   Maurici Sivatte-Adroer, Xavier Llanas-Parra, Irene Buj-Corral (Spain)
2. Influence Of Cutting Parameters On Cutting Force During Dry Machining Of High-Alloy Steel
   Sabahudin Ekinović, Edin Begović, Adnan Softić (B&H)
3. Regression Analysis Of The Plasma Arc Cutting Process
   Derzija Begic-Hajdarevic, Mugdim Pasic, Ahmet Cekic, Dino Muhedin (B&H)
4. Analysis Of Tool Wear During Machining Of Hardened Tool Steel
   Muhamed Mehmedović, Emir Šarić, Samir Butković(B&H)
5. Modeling Of The Pressing Forces Using Genetic Programming
   Ekrem Nezirević, Bahrudin Hrnjica, Atif Hodžić (B&H)
6. Study Of The Lateral Pass Width For Conventional And Ultrasonic Vibrations-Assisted Ball Burnishing On Ti-6Al-4V Specimens
   Jerez-Mesa, R., Gomez-Gras, G., Llumà-Fuentes, Travieso-Rodriguez, J.A. (Spain)
7. Numerical Simulation Of The First Operation Of A Deep Drawing Process
   Sabahudin Ekinović, Edin Begović, Ibrahim Plančić, Adnan Softić (B&H)
8. FEM Simulation Of Aluminium Alloy On The High Temperature
   Milanko Damjanovic, Milan Vukcevic, Nikola Sibalic (Montenegro)
9. Determination Of The Influence Of Parameters Of Injection Molding Using The Taguchi Methods
   Senad Rahimic, Mahir Mulamehic (B&H)
10. Comparison Of Thermal Performance Of 3d Printer Liquefiers Through Finite Element Models
    Jerez-Mesa, R., Travieso-Rodriguez, J.A., Gomez-Gras, G., Llumà-Fuentes, J., Traver-Ramos, O. (Spain)
11. Effect Of Injection Parameters And Cavity Position On Mim Green Part Mass
    Emir Šarić, Muhamed Mehmedović, Samir Butković (B&H)
12. Statistical Process Control. x-bar Chart: Standard Deviation Known
    Emina Dzindo (Serbia)
13. Multi-Response Optimization Of Ball-End Milling Parameters Using The Taguchi-Based Grey Relational Analysis
    Milenko Sekulić, Vlastimir Pejić, Marin Gostimirović, Zoran Jurković* (Serbia, *Croatia)

THURSDAY, September 29th
10.30 – 11.00 Posters presentations
Chairmen: Sabahudin Ekinovic

1. Contribution To Cross-Platform Programming In Integrated Ship's Systems
   Ivica Kuzmanić, Zlatan Kulenović (Croatia)
2. Improved Work Sampling Using Correlation Analysis Of Activities' Records
   Borut Buchmeister, Marjan Leber, Iztok Palcic, Natasa Vujica Herzog (Slovenia)
3. Influence Of Debris Collected On A Trashrack On The Economics Of A Hydropower Plant
   Aleš Hribernik (Slovenia)
4. Selection And Economic Viability Of Wind Turbines
   Aleš Hribernik, Tanja Markovič-Hribernik (Slovenia)
5. On Improving Working Safety: A Review Of Some Rfid Based Solutions
   Sanja Bauk, Radoje Dzankic (Montenegro)
6. Contribution To The Development Of Quality Control Based On Monitoring Of Index Of Overall Equipment Efficiency
   Hazim Bašić, Muhamed Brkić, Almira Softić, Erna Omerašević (B&H)
7. Newsvendor Extensions With Backorder And Emergency Supply Option
   Hadis Bajric, Edin Kadric, Mugdim Pasic, Izet Bijelonja (B&H)
8. Implementing Condition Monitoring Sensors For On-Line Lubricant Monitoring
   Vito Tič (Slovenia)
9. Monitoring Solid Contamination In Hydraulic Systems
   Vito Tič, Darko Lovrec (Slovenia)

THURSDAY, September 29th Manufacturing Technology & Materials
11.00 – 12.30 Papers presentations session
Chairmen: Irene Buj-Corral, Elma Ekinovic

1. Microstructure And Hardness Of The Friction Stir Welding
   Nikola Sibalic, Milan Vukcevic, Mileta Janjic, Srdjan Martic (Montenegro)
2. Weldability Of Heat-Resistant Austenitic Stainless Steel Produced By Sintering
   Samir Butković, Muhamed Mehmedović, Emir Šarić, Almir Softić (B&H)
3. Surface Tension Transfer (STT) welding
   Nenad Milosevic, Olivera Popovic, Radica Prokic Cvetkovic (Serbia)
4. Modelling Of FSW Process As An Aspect Of Application In Manufacturing
   Petar Tasić, Damir Hodžić, Ismar Hajro (B&H)
5. Chemical Composition And Structure Of The Weld Metal Stainless Steels Depending On The Shielding Gas Composition
   Behar Alić, Sead Pašić, Edin Džiho, Sead Avdić (B&H)
6. Review Of Strength – Toughness Relationship For Various Structural Steels Grades
   Ismar Hajro, Damir Hodžić, Petar Tasić (B&H)
7. Impact Toughness Of Regenerative Heat Treated Steel 14MoV6-3
   Damir Hodžić, Ismar Hajro, Petar Tasić (B&H)

8. Reliability Of Numerical Modeling And Simulation Of Tempered Glass Plate For Load
   Mileta Janjić, Dragana Đurašković (Montenegro)
9. Influence Of Types Of Magnesium Salts On The Corrosion Rate Of Reinforcement Steel In Concrete
   Dejana Brkić, Farzet Bikić (B&H)
10. Influence Of Austenitization Temperature On Microstructure Of Steel S355J2
    Almaida Gigović-Gekić, Armina Bašić, Hasan Avdušinović (B&H)
11. Self-Cleaning Concrete – A Construction Material For Building Cleaner World
    Adnan Mujkanović, Dženana Bečirhodžić, Nevzet Merdić (B&H)
12. Influece Of The Austempering Temperature On The Hardness Of The Austempered Ductile Iron Samples
    Hasan Avdušinović, Almaida Gigović-Gekić (B&H)
13. Stress Analysis And Microstructure Of The Al2O3/Cu/MgB2 wires
    S. Ataoglu, M. Tosun, T. Baytak, A. Donmez, O. Bulut, C. Ipek (Turkey) *101*
14. Residual Stress And Microstructure Of YSZ Buffer Layers For YBCO Coated Conductor
    O. Bulut, A. Donmez, T. Baytak, M. Tosun, C. Ipek, S. Ataoglu, O. Cakiroglu (Turkey)
15. Effect Of Temeperature On Stress Of Y2O3-ZrO2 Insulation Coating On Stainles Steel Tape
    A. Donmez, O. Bulut, T. Baytak, M. Tosun, S. Ataoglu, C. Ipek, O. Cakiroglu (Turkey)

THURSDAY, September 29th Materials & Industrial Engineering
14.00 – 15.30 Papers presentations session
Chairmen: Ali Gungor, Darko Petkovic

1. The Influence Of Phosphate Binder And Activator Binding To The Physical Properties Of Refractory Concrete
   Ilhan Bušatlić, Nadira Bušatlić, Petar Petrovski (B&H)
2. High Voltage Breakdown Properties Of Sol-GEL MgO–ZrO_2 Insulation Coatings Under Compresion at 300 K and 77 K
   O. Cakiroglu, L. Arda (Turkey)
3. Sol-Gel Insulation Of Cu/MgB_2 Wires
   L. Arda, A. Gungör (Turkey)
4. Twisted MgB_2 Superconducting Wire For Power Transmission Applications
   A. Güngör, L. Arda (Turkey) ***125***
5. Strength Development Of Self-Compacting Concrete Incorporating High Volume Of Calcareous Fly Ash
   Adnan Mujkanović, Ilhan Bušatlić, Marina Jovanović, Dženana Bečirhodžić (B&H)
6. Performance Layer Of Virtual Autonomous Work Systems
   Elvis Hozdić, Zoran Jurković* (Slovenia, *Croatia)

7. Mechanical Tests For Accelerated Testing Of Mineral Lubricants With Respect To Its Degradation
   Darko Lovrec (Slovenia)
8. Thermal Tests For Testing Of Degradation Behaviour Of Mineral Based Hydraulic Oils
   Darko Lovrec, Vito Tič (Slovenia)
9. Results Of Assesses Of The Capability Of Precise Indicator
   Nermina Zaimović – Uzunović, Esad Pobrić, Daut Denjo, Senada Pobrić, Lejla Denjo (B&H)
10. Measuring Economic And Social Impacts Of Hyperconnectivity: A Cross-Country Efficiency Comparison
    Erkan Bayraktar & Ekrem Tatoglu (Turkey)
11. Model Of Production And Export Value Chain For The Sector Of Metalworking And Automobile Parts In Tešanj's Municipality
    Ismar Alagić, Darko Peković, Ranko Božićković (B&H)
12. Modelling Of Daily Methane Yield From The Laboratory Scale Plug Flow Anaerobic Bioreactor
    Nusret Imamović, Šefket Goletić, Irem Silajdžić, Boris Agarski* (B&H, *Serbia)

THURSDAY, September 29th **Industrial Engineering**
16.00 – 17.30 Papers presentations session
Chairmen: Irene Buj-Corral, Elma Ekinovic

1. Conceptual Solutions For Wastewater Treatment Technologies In The Dairy Industry
   Šefket Goletić, Nusret Imamović, Muvedet Šišić (B&H)
2. Irrational Use Of Antibiotics In Food Production And The Emergence Of Bacterial Resistance To Antibiotics In Children
   Smajil Durmisević, Jasminka Durmisević-Serdarević, Melita Lelić, Jasmin Durmisević (B&H)
3. Modern Technologies On Problems Ecology
   Zorka Jugović, Danijela Pecarski, Zoran Jevremović (Serbia)
4. Importance Of Tilt Angle On Flat-Plate Solar Thermal Collector Systems For Antalya Districts
   Abdulkadir Kocer, Ismet Faruk Yaka, Afsin Gungor (Turkey)
5. Autonomus Solar Energy Converter With Remote Control And Supervision For Energy Supply Of Telecommunications Facilities
   Aleksandar Stjepanovic, Miroslav Kostadinovic, Goran Kuzmic, Perica Gojkovic, Dusanka Bundalo, Sladjana Stjepanovic (B&H)
6. Environmental Aspects Of Energy And Water Losses In The Process Of Beer Production And Measures For Their Reduction
   Jasmin Fejzić, Indira Buljubašić, Sandira Eljšan (B&H)
7. Application Of B/C Method For The Analysis Of Alternative Project Solutions In Hydro Energy
   Milan Vukcevic, Petar Avdalovic*, Nikola Sibalic, Mileta Janjic(Montenegro, *B&H)

8. Data Mining In Customer Segmentation
   Dražena Gašpar, Mirela Mabić, Ivica Ćorić (B&H)
9. Learning The Greenhouse Temperature And Wind Rates Via Mobile Phones
   Erokan Canbazoglu, Abdulkadir Kocer, Ismet Faruk Yaka, Afsin Gungor (Turkey)
10. The Interaction Between Human And Computer "Through" Dialogue,
    Dragan Cvetković, Dragan Marković, Srđan Trajković, Ivana Cvetković (Serbia)
11. CFD-Based Investigation Of Power Plant Fly Ash High Concentration Slurry Flow Through Horizontal Pipe Contraction
    Sadjit Metović, Ejub Džaferović, Nihad Hodžić (B&H)
12. Information-Based Decision Making In Engineering Design Process
    Shaban Buza, Kastriot Buza (Kosova)
13. Modeling The Fluid Flow Around Angled Profiles Using Successive Conformal Mappings
    Elma Ekinović, Nedim Hodžić (B&H)
14. Damage Identification In Beams Using Adopted Functional Minimization
    Elma Ekinović, Nedim Hodžić, Sabahudin Ekinović (B&H)
15. The Impact Of Thin Disc Modeling On Modal Characteristics Of Axial Structures
    Elma Ekinović, Nedim Hodžić, Edin Begović (B&H)

THURSDAY, September 29th Mechanical Construction & Design
18.00 – 19.30 Papers presentations session
Chairmen: Ali Gungor, Darko Petkovic

1. Design Of A Test Bench For Measuring Friction Force In A Piston-Cylinder System
   Irene Buj-Corral, Enrique Zayas-Figueras, Jesús Andrés Álvarez-Florez, Ernesto Gutiérrez-González (Spain)
2. The Reasons Of The Suspension Fracture In A Water Separator Of The BP-1150 Boiler
   Donat Renowicz, Marek Plaza, Bogusław Plaza, Dariusz Kowala, Ewa Renowicz, Jerzy Okrajni (Poland)
3. Developing Of New Technology For Repairs Of Branch Connection Defects
   Augustín Sládek, Marek Patek, Radoslav Koňár, Miloš Mičian, Michal Sventek (Slovakia)
4. A Sensitivity Analysis Of Operating Temperatures To Changes Of Spur Gear Geometry
   Janko D. Jovanović (Montenegro)
5. The Impact Of System Stiffness On Displacements Of Building Constructions With Mechanical Dampers
   Majudin Muratović, Nermina Zaimović-Uzunović (B&H)
6. Statistical Analysis Of Total Impact Energy Of Large Thick Walled Pressure Vessel
   Nedeljko Vukojević, Fuad Hadžikadunić, Mustafa Imamović, Terzić Muamer (B&H)
7. Laminated Wood Beams And Their Applications
   Minka Ćehić, Salah–Eldien Omer* (B&H, *Croatia)

8. Comparative Synthesis Of The Shrug Mechanisms For Humanoid Robots
   Marko Penčić, Maja Čavić, Branislav Borovac (Serbia)
9. Torque Vectoring Differential
   Maja Čavić, Marko Penčić, Miodrag Zlokolica (Serbia)
10. Moments Of Resistance When Turning The Drive Wheels With The Mobile Platform Of The Robot „MNE-Robeco“
    Darko J. Skupnjak (Montenegro)
11. Influence Of Human Capital And Organizational Capital On The Organizational Innovation
    Ahmet Beşkese And Elif Haktanir (Turkey)
12. An Experimental Study To Analyze The Factors Affecting Weight Loss
    Gülin Bahçıvan and Demet Özgür-Ünlüakın (Turkey)
13. Criteria For Facilities Layouts Decision Making
    Zedina Lavić, Mugdim Pašić, Branko Vučijak, Nedžad Dukić (B&H)
14. Global Innovation Index 2015: Bosnia And Herzegovina&Montenegro
    Sanja Prodanovic, Darko Petkovic, VesnaBoljevic* (B&H, *Montenegro)
15. Application Of The Mini Computers In The Automation
    Amel Muračević, Anel Husaković, Malik Čabaravdić (B&H)

Notes

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