

## Programme

WEDNESDAY 13 May 2009			
Time	Activity		
08:30 – 10:00	Registration of the participants		
10:00 – 10:30	<p>Opening of the Conference</p> <p>Dr Branko Ivković President of the Serbian Tribology Society</p> <p>Dr Miloš Nedeljković State Secretary of the Republic of Serbia Ministry of Science and Technological Development</p> <p>Dr Milorad Milovančević Dean of the Faculty of Mechanical Engineering in Belgrade</p> <p>Anđelko Kovačević Vice president of the Serbian Chamber of Commerce</p> <p>Dr Aleksandar Venci President of the Conference Organising Committee</p> <p>Dr Aleksandar Marinković President of the Conference Organising Committee</p>		
10:30 – 11:00	Welcome Cocktail		
11:00 – 13:00	<p>Plenary Section</p> <p>Michael D. Bryant, The University of Texas at Austin (USA) ASME Journal of Tribology Editor in Chief “Entropy of Friction and Wear”</p> <p>Konstantinos-Dionysios Bouzakis, Aristotle University of Thessaloniki (Greece) Director of the Laboratory for Machine Tools &amp; Manufacturing Engineering “The Effect of Micro-Blasting Procedures on the Cutting Performance of Coated Tools”</p> <p>Friedrich Franek, Vienna University of Technology (Austria) General Manager of the Austrian Center of Competence for Tribology “Advanced Methods for Characterisation of Abrasion/Erosion Resistance of Wear Protection Materials”</p> <p>Miroslav Babić, University of Kragujevac (Serbia) Dean of the Mechanical Engineering Faculty “The Tribological Potential of ZnAl Alloys”</p>		
13:00 – 15:30	Break		
15:30 – 17:00	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">Section A</td> <td style="width: 50%; text-align: center;">Section B</td> </tr> </table>	Section A	Section B
Section A	Section B		
17:00 – 18:30	Free time		
18:30 – 20:00	Belgrade sightseeing – bus tour		
20:00 – 22:00	Boat trip with Conference diner		



WEDNESDAY, 13 May 2009, 15:30 – 17:00

SECTION A	SECTION B
<b>A.E. Yousif</b> The Effect of Temperature and Strain Rate on the Abrasive Wear of Metals	<b>D. Jovanović</b> Tribološki procesi mehanizma slobodnog hoda impulsnih frikcionih varijatora
<b>V.I. Semenov, L.Sh. Shuster, S.-J. Huang, P.-C. Lin</b> Influence of the Structure on the Tribological Properties of Low-Carbon Steel	<b>B. Stojanović</b> Promena geometrijskih veličina zupčastih kaiševa u periodu eksploatacije
<b>E. Dağaşan, D. Odabaş, E. Gerçekcioğlu</b> Effect of Microstructure on the Erosive Wear Rate of AISI 1020 and AISI 8620 Steels	<b>Ž. Pletikosić, R. Pletikosić</b> Modeliranje habanja tribosistema točak-šina
<b>E. Gerçekcioglu, E. Dagasan, M.B. Karamiş</b> The Comparison of Wear Behaviour of Plasma Nitrided of AISI H13 and 722M24 Steels under Different Tribological Conditions	<b>J. Tepić</b> Metode smanjenja habanja šina lakih šinskih vozila
<b>A.G. Kostornov, O.I. Fushchich, T.M. Chevichelova, Y.M. Simeonova, G.S. Sotirov</b> Self-Lubricating Composite Materials for Dry Friction	<b>J. Baralić, B. Nedić</b> Erozija kao osnovni mehanizam obrade abrazivnim vodenim mlazom
<b>A. Marinković, A. Vencel</b> Influence of the Solid Lubricant Particles Reinforcement on Composites Tribological Properties	<b>M. Stefanović, S. Aleksandrović, D. Adamović, M. Samardžić</b> Uticaj kontaktnih uslova na oblikovanje dvostranim zatezanjem tankih limova
<b>I.G. Bîrsan, A. Cîrciumaru, V. Bria, V. Ungureanu</b> Tribological and Electrical Properties of Filled Epoxy Reinforced Composites	<b>D. Adamović, M. Stefanović, M. Živković, S. Rakić</b> Uticaj brzine dubokog izvlačenja sa stanjenjem debljine zida na promenu koeficijenata trenja
<b>E. Kozhoukharova</b> Tribological Processes and Products in the Earth's Crust	<b>V.J. Marinković, T.R. Marinković</b> Određivanje koeficijenta trenja u procesima obrade istiskivanjem

THURSDAY, 14 May 2009, 09:00 – 10:30

SECTION C	SECTION D
<b>D. Petrescu, N.N. Antonescu</b> Theoretical and Experimental Researches Concerning the Adhesion of the Superficial Layers Obtained from Amorphous Alloys by Thermal Spraying with Plasma Jet	<b>A.E. Yousif</b> Liquid-Solid Lubricants in Conditions Pertinent to Isothermal Elastohydrodynamic Line Contact Lubrication
<b>A. Koutsomichalis, N. Vaxevanidis, G. Petropoulos, E. Xatzaki, A. Mourlas, S. Antoniou</b> Tribological Coatings for Aerospace Applications and the Case of WC-CO Plasma Spray Coatings	<b>L. Yükses, H. Kaleli, O. Özener, B. Özoğuz</b> The Effect and Comparison of Biodiesel-Diesel Fuel on Crankcase Oil, Diesel Engine Performance and Emissions
<b>N. Gitis, V. Khosla, P. Bariani</b> Characterization of Nano Crystalline Lubricant Coating to Study the Effect of Grain Size and Phase Structure on the Coating Behavior	<b>R. Gligorijevic, J. Jevtic, Dj. Borak</b> Diesel Engine Oil Quality and Exhaust Emission
<b>D. Kakaš, B. Škorić, M. Babić, S. Mitrović, A. Miletić, M. Vilotić, P. Terek, L. Kovačević</b> Surface Roughness and Friction Coefficient at IBAD Deposited Tin Hard Coating	<b>O. Florea, M. Luca</b> Lubricating Greases for Nuclear Power Plants Equipment
<b>D. Kakaš, M. Vilotić, M. Popović</b> Research of Corelation between Friction Coefficient and Nanomorphology of Ion Implanted Dies for Cold Forming Process	<b>N. Diaconu, L. Deleanu, I.G. Birsan</b> The Behaviour of Steel Triboelements under Various Testing Conditions
<b>M. Pustan, O. Belcin</b> Aplication of Atomic Force Microscope for Mechanical and Tribological Characterization of Teeth and Biomaterials	<b>M. Kandeve, V. Požidajeva, D. Živković, Z. Sajfert</b> Lubrication of Manure Spreaders as an Element of Preventive Maintenance
<b>D. Kakaš, B. Škorić, A. Miletić, M. Vilotić, P. Terek, L. Kovačević</b> Investigation of Micro and Nano Tribological Phenomenon by EDX	<b>C. Schmied, B. Simmerer, F. Novotny-Farkas, D. Kaltenböck</b> Importance of Oil Condition Monitoring in Stationary Gas Engine Applications
<b>F. Davin</b> Micro- and Nanotribological Investigation of Lubricant Films and Surface Coatings	<b>N. Stevanovic, S. Milicev</b> Inertia Effect in Microbearing Gas Flow

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SECTION E	SECTION F
<b>E. Badisch, H. Winkelmann, M. Kirchgaßner, N. Gostovic</b> High Temperature Wear Behaviour of Fe-Based Materials	<b>G. Di Benedetto, M. Organisciak, G. Popovici, A. Stijepić</b> Film Thickness Prediction of Radial Lip Seal
<b>M.B. Đurđanović, M.M. Mijajlović, D.S. Milčić, D.S. Stamenković</b> Heat Generation During Friction Stir Welding Process	<b>D. Stamenković, M. Milošević</b> Friction at Rubber-Metal Springs
<b>L. Deleanu, S. Ciortan, G. Andrei, L. Maftei</b> Study on the Profilometry of Composites with PA Matrix and Micro Glass Spheres after Dry Sliding	<b>V.G. Marian, B. Scheichl, N. Tungkunagorn, G. Vorlauffer, F. Franek</b> Evaluation of Mass-Conservative Models for the Tribological Analysis of Porous Bearings
<b>N.G. Kostova, B. Kunev, M. Achimovichova, E. Dutkova, P. Balaz</b> Tribosynthesis of Alumina-Titania Mixed Oxides as Supports for Hydrodesulfurization Catalysts	<b>I. Zidaru, R.G. Ripeanu, I. Tudor, A.C. Drumeanu</b> Research Regarding the Improvements of Tribological Behavior at Three Cone Bits Bearings
<b>Z. Cherkezova-Zheleva, J. Krstić, D. Paneva, B. Kunev, D. Jovanović, I. Mitov</b> Role of Tribosynthesis in Synthesis of Nano-Sized Ferrite Materials	<b>I. Musca</b> Ball-Ring Friction at Low Rotating Speed
<b>G. Globočki Lakić, S. Borojević, Đ. Čiča, B. Sredanović</b> Development of Application for Analysis of Machinability Index	<b>T. Lazovic, A. Marinkovic, D. Skoko</b> Influence of Abrasive Wear on Ball Bearing Internal Geometry
<b>A.C. Drumeanu, S.T. Paraschivoiu, I. Tudor, R.G. Ripeanu</b> Some Considerations about Non-Isothermal Fatigue Wear of the Forging Die Steel	<b>A. Ilić, D. Josifović</b> Selection of the Gear Materials Based on Tribological Aspects
<b>S. Paraschivoiu, A. Pupăzescu, C. Drumeanu, I. Tudor, R. Ripeanu</b> The Thermal Stresses of Forging Die Evaluation Using FEM	<b>M. Nemčeková, M. Vereš, A. Marinković</b> Tooth Flanks Scoring Resistance of Noninvolute Teeth Profiles in Plane Toothed Cylindrical Gears

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SECTION G	SECTION H
<b>C. Spanu, I. Birsan, S. Ciortan</b> Plastic Deformation Initiation in Sliding Indentation Case	<b>B. Sovilj, M. Brezočnik, I. Sovilj-Nikić, V. Đokić, S. Radonjić, P. Kovač</b> Identifikacija triboloških procesa pri profilnoj obradi primenom genetskog algoritma
<b>T. Prevenslik</b> Electrostatic Gecko Mechanism	<b>M. Stojilković</b> Specifikacije motornih ulja
<b>M.M. Mijajlović, D.S. Milčić, M.B. Đurđanović</b> Tribology as one Parameter Necessary for Reliability Engineering and Technical System's Reliability Improvement	<b>S. Perić, B. Nedić</b> Monitoring stanja kroz testove analize ulja
<b>A. Neacşa, D.B. Stoica, N.N. Antonescu</b> Modern Solutions for Selecting the Corresponding Machinery Dedicated to Technological Applications	<b>P. Petrović, Z. Timotijević, S. Manojlović, Z. Ivljanin</b> Istraživanje mazivih masti za podmazivanje ležaja željezničkih vozila za konvencionalne brzine
<b>E. Assenova, M. Kandeva</b> Trends in the Self-Organization of Tribological Contact Systems	<b>M. Dugić, P. Dugić</b> Ponašanje emulzija za obradu metala u eksploatacionim uslovima
<b>B. Ivkovic, N. Marjanovic, M. Ravlic</b> A New Concept of the Universal Tribometer	<b>V. Jovičić, S.Lj. Marković, D. Veličković</b> Podmazivanje i popravka reduktora zaokretne trake BKH-320
<b>M. Ravlic, M. Matijević, B. Ivkovic</b> Design of Automatic Computer Control System for the New Universal Tribometer UT-07	<b>Z. Živković, S.Lj. Marković, D. Veličković</b> Frikcioni ustavljač kao pomoć u radu hidrodinamičke spojnice na trakastom transporteru
<b>M. Yildirim, Z. Dursunkaya, T. Okutucu</b> Experimental Investigation of Micron Level Clearances by Fibre Optic Interferometry	<b>H. Avdić, A. Demirović, M. Hasanović</b> Prilog dijagnozi tehničkog stanja triboloških sistema hidrauličkog bagera RH-120-E
<b>F. Zivic, S. Mitrovic, M. Babic, I. Cvijovic-Alagic</b> Application of Tribometry in Investigations of Biomaterials	