



SCHEDULE OF IN-TECH CONFERENCE 2016

6th September 2016

| | | |
|--------------------------------------|--|---|
| 18:00-21:00 | Early registration | |
| 7th September 2016 | | |
| 08:30-09:30 | Registration | |
| HALL A | | |
| 9:30-09:50 | Opening speech | |
| INVITED LECTURE: | | |
| 09:50-10:10 | Shaker Meguid | Novel Multifunctional Nanocomposites for Aerospace, Defence and Marine Applications |
| 10:10-10:40 | Coffee break | |
| LECTURES: | | |
| 10:40-11:00 | Olegs Jakovlevs, Natalia Efremova, Vladimir Gostilo and Janis Viba | Simulation and design of radiation shielding and collimation systems for precise gamma-spectrometric equipment |
| 11:00-11:20 | Manuel V. Castilla | Integrated Multi-Tool System in Creative Design for Solar Radiation |
| 11:20-11:40 | Kim Tiow Ooi | Innovations in Positive Displacement Rotary Compressor Technology |
| 11:40-12:00 | Homayun Navaz, Kristina Kamensky, Mazyar Amin and Ramin Faramarzi | Experimental and Analytical Study of the Transient Process of Infiltration/Exfiltration in Walk-in Coolers |
| 12:00-12:20 | Alias Mohd Noor, Muhammad Rabi Abbas, Uday Basheer and Srithar Rajoo | Improving thermal efficiency of turbocharger turbine with ceramic thermal barrier coating to the inner passage of the turbine volute casing |
| 12:20-12:40 | Stefan Feustel, Stefan Caba and Michael Koch | Continuous Fiber Reinforced Thermoplastic Sheet by Direct Extrusion |
| 13:00-14:30 | LUNCH - | |
| 14:30-14:50 | Christoph André Dreßler and Uwe Meinberg | Unmanned Aerial Systems – A future technology of fire brigade and civil protection |



| | | |
|-----------------------|---------------------------------|---|
| 14:50-15:10 | Rania Alhazmi and Fathy Eassa | Agent Based Cloud Services Discovery |
| 15:10-15:30 | Tomaž Pepelnjak | The influence of screw geometry on extrusion of polypropylene |
| 15:30-15:50 | Hadi Husain and Jaroslav Skopal | Risk Factors Utilization of Nanomaterials in Tribological Processes |
| POSTER SECTION | | |

| HALL B, 7th September 2016 | | |
|--|--|--|
| 10:10-10:40 | Coffee break | |
| LECTURES: | | |
| 10:40-11:00 | Bence Eckl, Csaba Blága and Krisztián Beleon | Simulation of induction heating-head and sample system based on different schematic models |
| 11:00-11:20 | William Arrasmith, Barry Webster and Farina Saqib | Software Dominant Unconventional Optical Imaging through Atmospheric Turbulence with Advances towards Real-Time, Diffraction-Limited Performance |
| 11:20-11:40 | Domagoj Hruška, Jozo Bevanda and Marija Erić | Strengthening of economic competitiveness by promoting energy efficiency and use of renewable energy – Case of Croatia |
| 11:40-12:00 | Almira Softic and Hazim Basic | Some aspects of the proficiency testing for dimensional laboratories using the gauge blocks |
| 12:00-12:20 | Kashif Mahmood, Tauno Otto, Eduard Shevtshenko and Tatjana Karaulova | Performance Evaluation by using Overall Equipment Effectiveness (OEE): an analyzing tool |
| 12:20-12:40 | Tibor Szalay | Automated fixture design solutions for machining and for welding |
| 13:00-14:30 | LUNCH | |
| 14:30-14:50 | Norbert Geier, Gyula Mátyási and Tibor Szalay | A comparative experimental study of the machinability of UD-CFRP using right-hand-cut and left-hand-cut end mills |
| 14:50-15:10 | Miklós Czampa, Júlia Csenge Igali and Tibor Szalay | Investigation of the limits of radius measurements with the application of coordinate measurement technology |
| 15:10-15:30 | Zoltán Szamosi, Károly Jármay and Zoltán Siménfalvi | Optimisation of biomass torrefaction |



| | | |
|-------------|---|--|
| 15:30-15:50 | Ludmila Kucerova, Hana Jirkova and Martin Bystriansky | TRIP steel processing applied to low alloyed steel with chromium |
|-------------|---|--|

| |
|--|
| HALL A, 8th September 2016 |
|--|

| |
|-------------------------|
| INVITED LECTURE: |
|-------------------------|

| | | |
|-------------|----------------------------------|--|
| 9:50- 10:10 | Károly Jármai and Máté Petrik | Optimization of welded compressed columns, comparisons |
|-------------|----------------------------------|--|

| | | |
|-------------|--------------|--|
| 10:10-10:30 | Coffee break | |
|-------------|--------------|--|

| |
|------------------|
| LECTURES: |
|------------------|

| | | |
|-------------|---------------------------------|---|
| 10:30-10:50 | István Biró and Tibor Szalay | A definition method of optimal cutting parameters for face turning of metallic parts according to cutting forces and to surface roughness |
|-------------|---------------------------------|---|

| | | |
|-------------|-------------------------------|--|
| 10:50-11:10 | Jana Ahmad and Petr Kremen | Ontological Modelling for Aviation Safety domain |
|-------------|-------------------------------|--|

| | | |
|-------------|--|---|
| 11:10-11:30 | Lok Acharya, Barry Webster and William Arrasmith | An Automated Question Answering System for Subjective Inquiries |
|-------------|--|---|

| | | |
|-------------|--|---|
| 11:30-11:50 | Gordan Janes, Zlatan Car, Miroslav Puskaric and Vedran Margan | Testing of improved genetic algorithm in material model parameters identification |
|-------------|--|---|

| | | |
|-------------|--|--|
| 11:50-12:10 | Mario Šokac, Vedran Margan, Zlatan Car and Igor Budak | Comparative analysis and evaluation of measurement capabilities of contact and non-contact devices for 3D scanning |
|-------------|--|--|

| | | |
|-------------|--|--|
| 12:10-12:30 | Miroslav Puskaric, Zlatan Car and Gordan Janes | Power Cost and Pricing Estimation of a Supercomputer Based Data Center |
|-------------|--|--|

| | | |
|-------------|--------------------------------------|---|
| 12:30-12:50 | Elvedin Kljuno and Marin Petrović | Walking mechanism dynamics modelling and controls |
|-------------|--------------------------------------|---|

| | | |
|-------------|--------------|--|
| 13:00-14:30 | LUNCH | |
|-------------|--------------|--|

| | | |
|-------------|--|---|
| 14:30-14:50 | Eduard Shevtshenko, Tatjana Karaulova and Kashif Mahmood | Elaboration of framework for green and cost efficient package development for electronic industry |
|-------------|--|---|



| | | |
|-------------|--|--|
| 14:50-15:10 | Christian Fiebig, Benedikt Neitzel and Michael Koch | The influence of weave on the properties of single curved FRP-laminates |
| 15:10-15:30 | Nesrin Machin | Flame Aerosol Synthesis of Oxides and Salts |
| 15:30-15:50 | Justin Murin, Juraj Hrabovský, Vladimír Goga, Dalibor Buc, Stephan Kugler, Milan Držík, Vladimír Kutiš and Štefan Reháč | Modal analysis of the multilayer shell |
| 15:50-16:10 | Dubravko Frankovic, Marko Maracic and Vedran Kirincic | Innovative approach to economic evaluation of artificial lighting systems in the design or redesign stage |
| 20:00 | GALA DINNER | |