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## ME4CataLogue International Professional Conference

Project: ME4CataLogue (Mechanical Engineering for Catalogue) –  
Croatian Catalogue of knowledge, skills and competences for Mechanical Engineering studies  
(Bachelor, Master and Doctoral study programmes) based on learning outcomes

Project co-financed by European Union under the European Social Fund



Slavonski Brod, December 3-5, 2014  
Conference program

### Wednesday, 3<sup>rd</sup> December 2014 - Early birds reception

<b>19:00</b>	<b>Welcome reception for early birds</b> Welcome reception will be organised in the basement of Mechanical Engineering Faculty in Slavonski Brod, Trg Ivane Brlić-Mažuranić 2, Slavonski Brod
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### 1<sup>st</sup> day (Thursday, 4<sup>th</sup> December 2014) - Classroom 101

<b>8:30 - 9:00</b> Registration	<b>Registration for all participants will be organised in the Hall of the Faculty</b>		
<b>9:00 - 10:30</b> Opening speeches Plenary session   Keynote Moderator: Nina Vranešević Marinić The keynote lectures presentation length is 15 minutes, including Q&A session.	<b>Ivan Samardžić</b> Dean of the Mechanical Engineering Faculty in Slavonski Brod	<b>Welcome speech</b>	
	<b>Shinya Okamoto, Igor Utroša, Dragutin Oletić</b> Representatives of the OTC Daihen Varstroj Company	<b>Handover ceremony of the welding equipment Welbee (Donation of the OTC Daihen Varstroj Company)</b>	
	<b>Dražan Kozak</b> ME4CataLogue Project Manager	<b>About the ME4CataLogue project</b>	
	<b>Damir Markulak</b> Vice-Rector for development strategy and spatial planning, Josip Juraj Strossmayer University of Osijek	<b>Opening ceremony of the International Professional Conference ME4CataLogue</b>	
	<b>Biljana Birač</b> Ministry of Science, Education and Sports	<b>Challenges in the Croatian Qualification Framework implementation</b>	HR
	<b>Đurđica Dragojević, Marina Matešić</b> Agency for Science and Higher Education	<b>External quality assurance of learning outcomes in higher education – European and Croatian experiences</b>	HR
	<b>Jani Barle, Marina Franulović, Tanja Jurčević Lulić, Ivica Kladarić, Damir Markučić, Gojmir Radica</b> ME4CataLogue working group	<b>Izrada Kataloga znanja, vještina i kompetencija za studije strojarstva u Republici Hrvatskoj</b>	HR

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Posredničko tijelo razine 1:

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	<b>Mislav Balković, Silvija Grgić, Klaudija Šarkanj</b> Visoko učilište Algebra, Zagreb	<b>Metodologija izrade standarda zanimanja i standarda kvalifikacije za tržište rada</b>	HR
<b>10:30 - 11:00</b> Enjoy your coffee ☺	<b>Coffee break</b> Coffee break will be organised in the basement of Mechanical Engineering Faculty in Slavonski Brod, Trg Ivane Brlić-Mažuranić 2, Slavonski Brod		

### 1<sup>st</sup> day (Thursday, 4<sup>th</sup> December 2014) - Classroom 101

<b>11:00 - 12:30</b> <b>Working session 1</b> <b>Moderator: Dražan Kozak</b> The lectures presentation length is 10 minutes.	<b>Damir Markulak</b> J. J. Strossmayer University of Osijek	<b>O suvremenom obrazovanju inženjera</b>	HR
	<b>Fuad Hadžikadunić, Nedeljko Vukojević</b> Faculty of Mechanical Engineering, University of Zenica	<b>Diplomas versus industrial needs</b>	BA
	<b>Nicolae Ungureanu, Daniela Popescu, Radu Cotețiu, Mihai Bănică</b> Technical University of Cluj Napoca	<b>Presentation of knowledge's, skills and competences for mechanical engineering field of studies in Romania</b>	RO
	<b>Majda Kralj</b> MIC Academia, Maribor	<b>Višeškolsko stručno obrazovanje i povećanje zaposljivosti u privredi</b>	SI
	<b>Haris Muhić, Mile Dželalija, Alma Dizdarević, Hazim Bašić*</b> Faculty of Mechanical Engineering, University of Sarajevo	<b>Linking learning outcomes on programme, module and courses level in baseline of the BIH Qualifications framework</b>	BA
	<b>Nenad Zrnić, Miloš Nedeljković, Slavko Pešić</b> Faculty of Mechanical Engineering, University of Belgrade	<b>ASIIN accreditation of study programs of the Faculty of Mechanical Engineering</b>	RS
	<b>Karl Gotlih, Andrej Polajnar</b> Faculty of Mechanical Engineering, University of Maribor	<b>ALUMNI - a platform for networking all levels of higher education on the HEI</b>	SI
<b>Tomislav Geršić*, Lovro Liverić</b> *Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb	<b>Ishodi učenja kao alat povezivanja obrazovanja i industrije</b>	HR	

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<b>12:30 - 13:30</b> Enjoy your meal ☺	<b>Lunch for all participants</b> Lunch for all participants will be organised in the restaurant of Hotel Savus
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### 1<sup>st</sup> day (Thursday, 4<sup>th</sup> December 2014) - Classroom 102

<b>11:00 - 12:30</b> <b>Working session 2</b> <b>Moderator: Damir Markučić</b> The lectures presentation length is 10 minutes.	<b>Aleksandra Deluka Tibljaš*, Barabara Karleuša, Duško Pavletić</b> *Faculty of Civil Engineering, University of Rijeka	<b>Analiza kompetencija završenih studenata – Primjer s Građevinskog fakulteta Sveučilišta u Rijeci</b>	HR
	<b>Zdenka Steblovník Župan</b> EURASHE	<b>Student centred learning – New paradigm of teaching mission in the institutions and its implementation</b>	SI
	<b>Zs. Schäffer, P. Müller, A. Schiffer, Z. Sári, I. Jancskár, G. Várady</b> Pollack Mihály Faculty of Engineering and Information Tech., University of Pécs	<b>Integrating engaging research project in education</b>	H
	<b>Ioan Turčin, Udo Traussnigg, Vinzenz Sattinger</b> CAMPUS 02, University of Applied Sciences, Graz	<b>Project Based Learning at Campus 02 UAS degree programmes in automation technology</b>	A
	<b>Sanja Lončar-Vicković, Zlata Dolaček-Alduk, Dubravka Trampus</b> Centar za unaprjeđenje i osiguranje kvalitete visokog obrazovanja Sveučilišta u Osijeku	<b>Mjesto ishoda učenja u studijskim programima Sveučilišta J. J. Strossmayera u Osijeku</b>	HR
	<b>Samir Lemeš, Edin Berberović, Aleksandar Karać</b> Faculty of Mechanical Engineering, University of Zenica	<b>Learning Outcomes of Mathematics and ICT in Mechanical Engineering Curricula</b>	BA
	<b>Nikolina Barać, Katarina Čurković</b> Hrvatski zavod za zapošljavanje	<b>Razvoj novih usluga Hrvatskoga zavoda za zapošljavanje u funkciji povezivanja obrazovnog i sustava zapošljavanja</b>	HR
	<b>Snežana Kirin, Tatjana Janovac, Aleksandar Sedmak*, Miodrag Brzaković, Branislav Jakić</b> *Faculty of Mechanical Engineering, University of Belgrade	<b>Research of compliance of higher education and the needs of the economy in Serbia</b>	RS

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<b>12:30 - 13:30</b> Enjoy your meal ☺	<b>Lunch for all participants</b> Lunch for all participants will be organised in the restaurant of Hotel Savus
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### 1<sup>st</sup> day (Thursday, 4<sup>th</sup> December 2014) - Classroom 101

<b>13:30 - 15:00</b> <b>Working session 3</b> <b>Moderator: Marina Franulović</b> The lectures presentation length is 10 minutes.	<b>Sanja Kalambura, Nives Jovičić, Kristijan Pili</b> Veleučilište Velika Gorica	<b>Integrirani sustav osiguravanja kvalitete – 4 P VVG-a</b>	HR
	<b>Leon Maglić, Olivera Maglić</b> Mechanical Engineering Faculty, University of Osijek	<b>Specifičnosti primjene zahtjeva norme ISO 9001 u visokom obrazovanju</b>	HR
	<b>Olga Štajdohar-Pađen*, Sonja Zlatović, Snježana Marinčić</b> *Hrvatsko društvo za kvalitetu	<b>Kolegiji Upravljanje kvalitetom na visokim učilištima u Hrvatskoj</b>	HR
	<b>Selma Porobić</b> Faculty of Philosophy, University of Tuzla	<b>Model za definiranje minimalnih elemenata Standarda kvalifikacije u obrazovanju nastavnika</b>	BA
	<b>Josip Stepanić, Biserka Runje, Dubravko Majetić, Vesna Alar</b> Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb	<b>Extending the lifespan of learning outcomes applicability</b>	HR
	<b>Olga Štajdohar-Pađen</b> Institut za elektroprivredu i energetiku d.d. Zagreb	<b>Što bi studenti morali naučiti o radu u laboratoriju u skladu s normom HRN EN ISO/IEC 17025</b>	HR
	<b>Nikša Dubreta</b> Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb	<b>Inženjeri u društvu – u društvu s inženjerima: integracija društveno-humanističkih kolegija u akademski studijski program strojarstva u Hrvatskoj</b>	HR
<b>Jože Flašker</b> Faculty of Mechanical Engineering, University of Maribor	<b>Pregled događanja kod razvoja sistema prije Bolonje</b>	SI	
<b>15:00 - 15:30</b> Enjoy your coffee ☺	<b>Coffee break</b> Coffee break will be organised in the basement of Mechanical Engineering Faculty in Slavonski Brod, Trg Ivane Brlić-Mažuranić 2, Slavonski Brod		

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### 1<sup>st</sup> day (Thursday, 4<sup>th</sup> December 2014) - Classroom 102

<b>13:30 - 15:00</b> Working session 4 Moderator: Duško Pavletić The lectures presentation length is 10 minutes.	<b>A. Sedmak*, D. Popović, A. Veg, L. Popović Maneski, S. Kirin, Lj. Konstantinović, V. Simeunović</b> Faculty of Mechanical Engineering, University of Belgrade	<b>Mechatronics in rehabilitation – new master programme developed through TEMPUS project HUTON</b>	RS
	<b>Boštjan Harl, Nenad Gubelj, Marko Kegl, Jozef Predan, Primož Štefan</b> Faculty of Mechanical Engineering, University of Maribor	<b>Development of courseware modules for engineering mechanics education</b>	SI
	<b>Krešimir Grilec</b> Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb	<b>Inženjerstvo materijala na strojarskim fakultetima u RH</b>	HR
	<b>Borut Kosec*, Sergeja Mitič, Ivana Babič, Aleš Nagode, Igor Budak, Blaž Karpe, Mirko Soković</b> Faculty of Natural Sciences and Engineering, University of Ljubljana	<b>Doctoral study program „Environmental Protection”</b>	SI
	<b>Franjo Matejiček</b> Mechanical Engineering Faculty, University of Osijek	<b>Studiranje mehanike na Strojarskom fakultetu u Slavonskom Brodu</b>	HR
	<b>Leposava Grubić-Nešić, Slavica Mitrović*, Radovan Pejanović, Boban Melović and Ivana Đaković</b> Faculty of Technical Sciences, University of Novi Sad	<b>Značaj mekih vještina u edukaciji inženjera</b>	RS
	<b>Vlado Tropša, Katarina Pisačić, Marijana Kolednik</b> University North, Varaždin	<b>Nekoliko aspekata stručnog studija strojarstva Sveučilišta Sjever</b>	HR
	<b>Tomislav Geršić</b> Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb	<b>Razvoj društvenih kompetencija i primjena mekih vještina u svrhu motiviranja studentskog tijela</b>	HR
<b>15:00 - 15:30</b> Enjoy your coffee ☺	<b>Coffee break</b> Coffee break will be organised in the basement of Mechanical Engineering Faculty in Slavonski Brod, Trg Ivane Brlić-Mažuranić 2, Slavonski Brod		

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### 1<sup>st</sup> day (Thursday, 4<sup>th</sup> December 2014) - Classroom 101

<b>15:30 - 16:40</b> <b>Working session 5</b> <b>Moderator: Tanja Jurčević Lulić</b> The lectures presentation length is 10 minutes.	<b>Rodoljub Tomić, Snežana Kirin, Aleksandar Sedmak*</b> *Faculty of Mechanical Engineering, University of Belgrade	<b>Vocational training with a direct impact on local economic development of the Municipality of Trstenik</b>	RS
	<b>Tomislav Tkalčić</b> Croatian Chamber of Mechanical Engineers	<b>Hrvatska komora inženjera strojarstva pred izazovima budućnosti</b>	HR
	<b>Neven Lovrin</b> Faculty of Engineering, University of Rijeka	<b>Importance of engineering ethics in engineering education</b>	HR
	<b>Mirjana Onukijević</b> Technical school, Slavonski Brod	<b>Prema poučavanju orijentiranom stjecanju kompetencija</b>	HR
	<b>Božica Rajković</b> Technical school, Slavonski Brod	<b>Razvoj znanja i vještina potrebnih na tržištu rada kroz nastavu strukovnih predmeta</b>	HR
	<b>Maja Forempoher Škuver, Graciela Šterpin, Filip Vale</b> Faculty of Engineering, University of Rijeka	<b>Praktična provjera ishoda učenja - primjer diplomskog rada</b>	HR
	<b>Kristian Lenić, Anica Trp, Branimir Pavković</b> Faculty of Engineering, University of Rijeka	<b>Obrazovanje za energetske učinkovitost u zgradarstvu</b>	HR

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### 1<sup>st</sup> day (Thursday, 4<sup>th</sup> December 2014) - Classroom 102

<b>15:30 - 16:30</b> <b>Working session 6</b> <b>Moderators Damir Lelas</b> The lectures presentation length is 10 minutes.	<b>Sergej Hloch*, Dražan Kozak, Grzegorz Krolczyk, Jiří Ščučka</b> Faculty of Manufacturing Technologies in Prešov, TU Košice	<b>What gives importance to science, or science is not state, it is choice...</b>	SK
	<b>Mladen Bošnjaković and Katarina Knežević</b> College Slavonski Brod	<b>Analiza kriterija rangiranja pristupnika pri upisu na stručni preddiplomski studij Proizvodno strojarstvo na Veleučilištu u Slavonskom Brodu</b>	HR
	<b>Nikola Maroš, Gojmir Radica, Ante Barbir</b> Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture, University of Split	<b>Izrada trkačkog auta za FSAE natjecanje</b>	HR
	<b>Matija Ljubičić</b> Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb	<b>Komparativni prikaz razlika između studija i studentskog života u Hrvatskoj i Sloveniji te Austriji</b>	HR
	<b>Antonio Mijić, Gojmir Radica, Dino Dodig</b> Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture, University of Split	<b>Istraživanje novog koncepta aktivnog modularnog motora s unutarnjim izgaranjem</b>	HR
	<b>Nikolina Goleš, Gojmir Radica, Petra Bagavac</b> Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture, University of Split	<b>Analiza učinkovitosti mikrokogeneracijskog postrojenja sa obnovljivim izvorima energije i mogućnost primjene</b>	HR

### 1<sup>st</sup> day (Thursday, 4<sup>th</sup> December 2014) - Classroom 101

<b>16:45 - 17:30</b> <b>Round table</b> <b>Moderator: Mislav Balković</b> Short discussion and survey about nonformal and informal learning	<b>Thomas Farnell, Ninoslav Šćukanec, Nina Vranešević Marinić*</b> *Institute for the Development of Education, Zagreb	<b>Smjernice za priznavanje neformalnog i informalnog učenja u Hrvatskoj</b>	HR
<b>17:30 - 18:30</b> <b>Enjoy your meal ☺</b>	<b>Dinner</b> Dinner for all participants will be organised in the restaurant of Hotel Savus		

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2<sup>nd</sup> day (Friday, 5<sup>th</sup> December 2014) – gathering in front of the Faculty at 8,30 am

Polazak na razgled **SLAVONSKOG BRODA** u pratnji stručnog vodiča; **TVRĐAVA BROD**, jedinstveni monumentalni primjer vojne arhitekture iz 18.st., kojeg je sagradila Austrija kao veliku carsku pograničnu utvrdu za obranu od Turaka, **KUĆA BRLIĆEVIH** na glavnom Gradskom trgu - **TRGU IVANE BRLIĆ – MAŽURANIĆ**, šetnja **OBALOM SAVE** do **FRANJEVAČKOG SAMOSTANA** i **CRKVE PRESVETOG TROJSTVA**, jednog od najljepših sakralnih objekata te vrste u Hrvatskoj. Obilazak **CRKVE** i **KLAUSTRA FRANJEVAČKOG SAMOSTANA** u pratnji stručnog osoblja...

Slijedi ulazak u autobuse (cca. 10:00-10:30, ovisno o želji za slobodnim vremenom), panoramska vožnja do **ETNO SELA STARA KAPELA**. Odmah po dolasku (najkasnije 11:15, ovisno vremenu polaska iz SB) sastanak s domaćinima, **PIĆE DOBRODOŠLICE**, te polazak na i razgled i upoznavanje sa selom; Projekt jedinstven u Hrvatskoj od zapuštenog i gotovo izumrlog **TIPIČNOG SLAVONSKOG SELA** učinio je **TURISTIČKU ATRAKCIJU**. Tijekom boravka, u pratnji domaćina, imate priliku vidjeti **TRADICIJSKE KUĆE**, **IMANJE S BOGATOM ETNOGRAFSKOM ZBIRKOM**, **SEOSKO GOSPODARSTVO**, **KAPELICA**, **SEOSKI ZDENAC**... Posjetite i „**BAKA KATIN DUĆAN**“ u kojem možete kupiti domaće eko proizvode...

Slijedi odlazak (cca. 12:30-13:00) do **BRODSKOG STUPNIKA**. Posjet **HOTELU “STUPNIČKI DVORI”**, jednom od prvih privatnih **HOTELA-VINARIJA** u Hrvatskoj smještenoj na obroncima Dilj gore. Odmah po dolasku odlazak na **ZAJEDNIČKI RUČAK** (cca. 13:30) u vrhunskom ambijentu.

U dogovoreno vrijeme polazak put odredišta. Kraća vožnja autobusom, predviđen dolazak u poslijepodnevnom satima.

Aranžman uključuje: prijevoz udobnim turističkim autobusom, usluge stručnih pratitelja, usluge stručnih lokalnih vodiča, izlete i razglede prema programu, **RUČAK** (goveđa juha s domaćim rezancima, pečena svinjetina punjena jelenovim mesom, pileći prutići u sezamu, kroketi, krumpir i povrće iz pećnice, salata, štrudla od jabuka), ulaznicu za Eko etno selo Stara Kapela s uključenim pićem dobrodošlice, policu osiguranja putnika u autobusu, osiguranje od odgovornosti, zakonsku jamčevinu aranžmana, troškove organizacije i rezervacije.

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