

Steering Committee meeting

7th October 2010. Rijeka

WBC-VMnet Project

WBC Partner presentation

Zoran Jurkovic

Faculty of Engineering, University of Rijeka

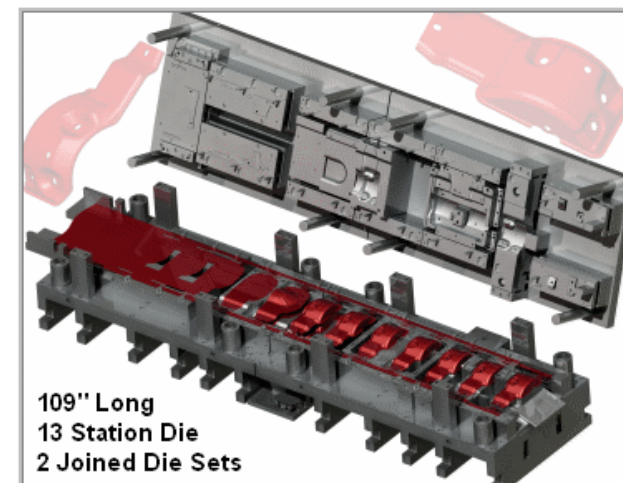
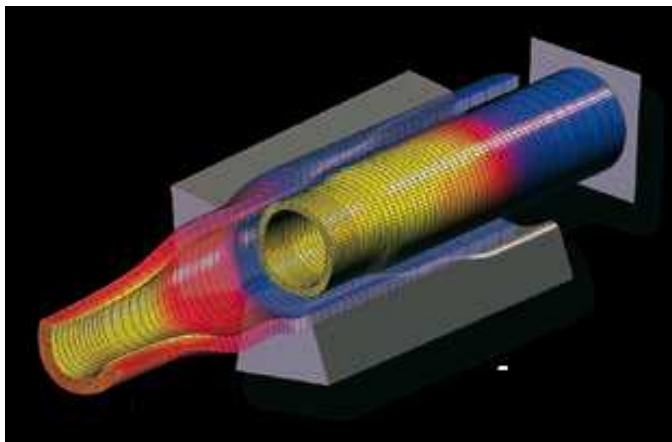
Outline

- ❖ Overall achievements, project implementation timeframe, obstacles and shortcomings
- ❖ Key project results, per Outcomes
- ❖ Workshop topics (Kragujevac, Rijeka, Podgorica) and presenters
- ❖ Proposals for vocational training schedule
- ❖ Proposals for IFP implementation
- ❖ Proposals for PPP implementation (at EU and WBC)
- ❖ Conclusions

❖ Overall achievements

During the period between second and third Steering Committee project team at University of Rijeka has achieved the following results according to workplan:

- finished process with the software buying for Collaborative Training Center (CTC) on Faculty of Engineering: *Simufact-forming* for bulk metal forming simulation software & 3DQuickPress progressive die design software,



109" Long
13 Station Die
2 Joined Die Sets

❖ Overall achievements - continued

- Presentation of WBC Regional model of University-Enterprise cooperation through web site and e-mails,
- Training at EU countries (Slovenia, Denmark, Italy) and WBC-partner (Serbia),
- Activity on training modules development at CTC-Rijeka,
- Project team take to contribution in develop PPP and IFP programs,
- Info days about project and publication Regional model of cooperation between UNI-ENT already finished .

❖ Obstacles and shortcomings

- ✓ in this phase of project workplan we have not defined new obstacles and shortcomings, but one which always persistent is afraid about motivation community for issue of this project especially in this period of economic crisis.

❖ Key project results, per Outcomes

Outcomes 1.1.

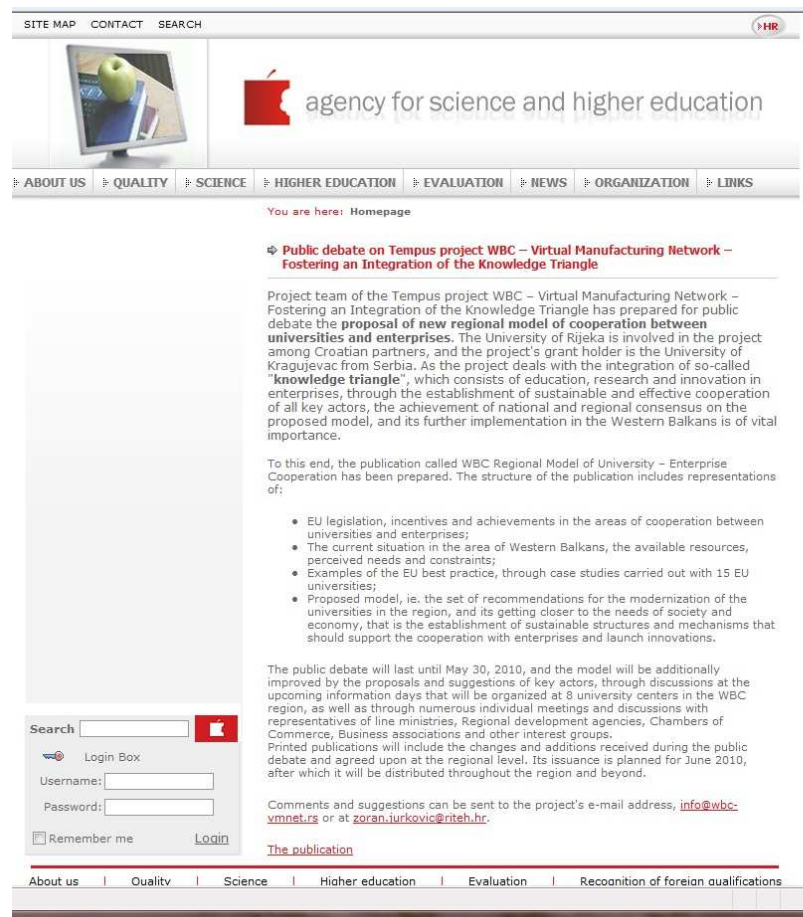
- procedure for set up, equip and establishing Collaborative Training Center (CTC) in phase of:
 - 2 software's *Simufact-forming* and *3DQuickPress* have bought and now it is process of installation and trainings,
 - and assure source of co-financing (for second year) already done.

Outcomes 3.2.

- presentation of WBC Regional model of University-Enterprise cooperation through public debate:
 - using web site of relevant institutions "**knowledge triangle**" integration process (Faculties, Universities and State institution), e-mails (70 addresses) of contact persons (managers) and sending brochure (in form of pdf. and printed version).

❖ Key project results, per Outcomes

Outcomes 3.2. continued



agency for science and higher education

Public debate on Tempus project WBC – Virtual Manufacturing Network – Fostering an Integration of the Knowledge Triangle

Project team of the Tempus project WBC – Virtual Manufacturing Network – Fostering an Integration of the Knowledge Triangle has prepared for public debate the **proposal of new regional model of cooperation between universities and enterprises**. The University of Rijeka is involved in the project among Croatian partners, and the project's grant holder is the University of Kragujevac from Serbia. As the project deals with the integration of so-called "knowledge triangle", which consists of education, research and innovation in enterprises, through the establishment of sustainable and effective cooperation of all key actors, the achievement of national and regional consensus on the proposed model, and its further implementation in the Western Balkans is of vital importance.

To this end, the publication called WBC Regional Model of University – Enterprise Cooperation has been prepared. The structure of the publication includes representations of:

- EU legislation, incentives and achievements in the areas of cooperation between universities and enterprises;
- The current situation in the area of Western Balkans, the available resources, perceived needs and constraints;
- Examples of the EU best practice, through case studies carried out with 15 EU universities;
- Proposed model, i.e. the set of recommendations for the modernization of the universities in the region, and its getting closer to the needs of society and economy, that is the establishment of sustainable structures and mechanisms that should support the cooperation with enterprises and launch innovations.

The public debate will last until May 30, 2010, and the model will be additionally improved by the proposals and suggestions of key actors, through discussions at the upcoming information days that will be organized at 8 university centers in the WBC region, as well as through numerous individual meetings and discussions with representatives of line ministries, Regional development agencies, Chambers of Commerce, Business associations and other interest groups.

Printed publications will include the changes and additions received during the public debate and agreed upon at the regional level. Its issuance is planned for June 2010, after which it will be distributed throughout the region and beyond.

Comments and suggestions can be sent to the project's e-mail address, info@wbc-vmnet.rs or at zoran.jurkovic@riteh.hr.

[The publication](#)



Sveučilište u Rijeci
 University of Rijeka

"ZAŠTO STUDIRATI U RIJEKI ?"
 PROMOTIVNI FILM O SVEUČILIŠTU U RIJEKI

Objavljena publikacija za javnu raspravu: „WBC Regional model of university – enterprise cooperation“

Projektirni tim WBC-VMnet projekta (www.wbc-vmnet.rs) kojeg čini 13 partnera iz 4 EU i WBC zemalja, pripremio je za javnu raspravu prijedlog novog regionalnog modela suradnje sveučilišta i poslovnih subjekata, koji je razvijen i analiziran u okviru projekta „WBC Virtual Manufacturing Network – Fostering Integration of the Knowledge Triangle“, financiranog od strane EU u okviru TEMPUS IV programa. Kako se projekt bavi integracijom tzv. "trokuta znanja" koji čine obrazovanje, istraživanja i inovacije u poslovnim subjektima, kroz uspostavljanje održive i efikasne suradnje svih sudionika, Vaše mišljenje, sugestije i prijedlozi su od osobite važnosti za poboljšavanje predloženog modela i njegovu daljnju implementaciju u regiji zapadnog Balkana.

Javna rasprava trajat će do 30. Svibnja 2010, te se projektirni tim unaprijed zahvaljuje na vremenu koje ćete posvetiti ovoj inicijativi kao i na prijedlozima koje možete poslati na e-mail adresu projekta info@wbc-vmnet.rs ili na zoran.jurkovic@riteh.hr.

Publikacija „WBC Regional model of university – enterprise cooperation“

Opširnije - Poziv na javnu raspravu

Info dan FP7 PEOPLE programa

U utorak 4. svibnja 2010. godine u Auli Magni, na rektoratu Sveučilišta u Rijeci, održat će se Info dan FP7 PEOPLE programa.

procesiranju obnovljivih resursa, pozivaju na sudjelovanje u natječaju koji ima za cilj smanjenje utjecaja

Public debate notices – web site of relevant institutions

Zoran Jurkovic

This project has been funded with support from the European Commission

Outcomes 4.2.

- **trainings at EU and WBC partners:**
 - trainings already done on partners institutions during May, June and September with participation on CTC-Rijeka (5 staff).

Outcomes 5.1.

- **3 modules proposed by CTC-Rijeka for vocational trainings:**
 - Product design and development with CATIA,
 - Process Quality Improvement Methods,
 - Simulation of machining processes and rapid prototyping techniques (SolidWorks, SolidCam, RP) – introductory course.

Outcomes 5.3.

- **IFP programme developed:**
 - CTC-Rijeka project team take to contribution in developing of IFP programme.

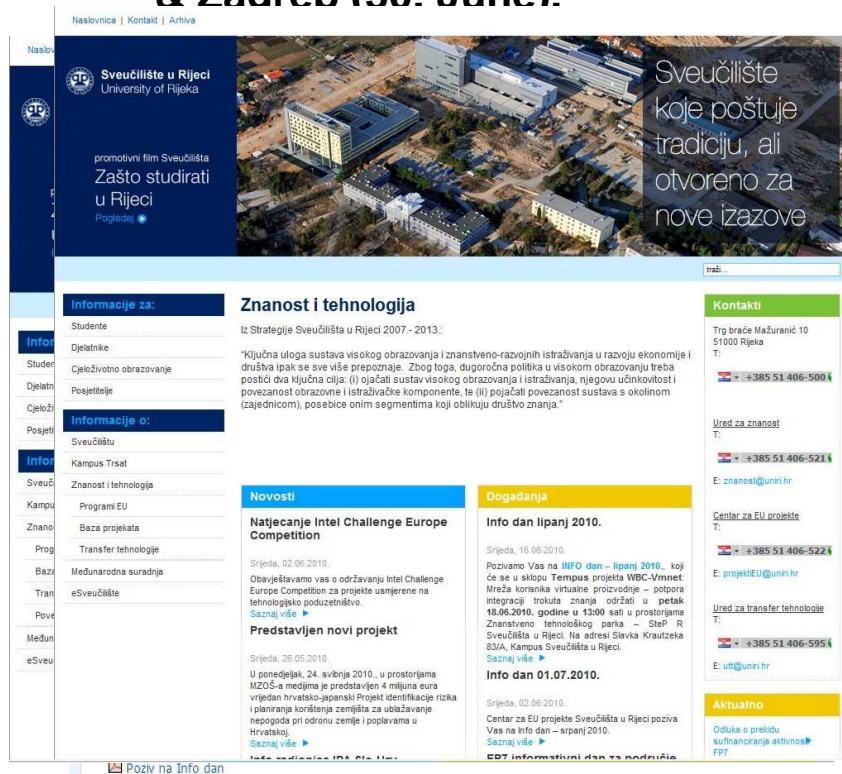
Outcomes 5.4.

- **PPP programme developed:**
 - CTC-Rijeka project team take to contribution in developing of PPP programme,
 - and with *ELCON Geretebau* organized, 1 month, Practical Placement implementation for WBC student.

Outcomes 6.3.

Information days and public appearances:

- organization of Info days about project and released publication Regional model of cooperation between UNI-ENT already finished in Rijeka (18. June) & Zareb (30. June).



Naslovnica | Kontakt | Arhiva

Sveučilište u Rijeci
University of Rijeka

promotivni film Sveučilišta
Zašto studirati u Rijeci
Progledaj

Sveučilište koje poštuje tradiciju, ali otvoreno za nove izazove

Informacije za:
 Studente
 Djelatnike
 Cjelovito obrazovanje
 Posjetitelje

Informacije o:
 Sveučilištu
 Kampus Trsat
 Znanost i tehnologija
 Programi EU
 Baza projekata
 Transfer tehnologije
 Međunarodna suradnja
 eSveučilište

Znanost i tehnologija
 Iz Strategije Sveučilišta u Rijeci 2007. - 2013.:

"Ključna uloga sustava visokog obrazovanja i znanstveno-razvojnih istraživanja u razvoju ekonomije i društva ipak se sve više prepoznaje. Zbog toga, dugoročna politika u visokom obrazovanju treba postići dva ključna cilja: (i) ojačati sustav visokog obrazovanja i istraživanja, njegovu učinkovitost i povezanost obrazovne i istraživačke komponente, te (ii) pojačati povezanost sustava s okolnom (zajednicom), posebice onim segmentima koji oblikuju društvo znanja."

Novosti
Natjecanje Intel Challenge Europe Competition
 Srijeda, 02.06.2010.
 Obavještavamo vas o održavanju Intel Challenge Europe Competition za projekte usmjerene na tehnološko poduzetništvo.
 Saznaj više

Događanja
Info dan lipanj 2010.
 Srijeda, 16.06.2010.
 Pozivamo Vas na **INFO dan – lipanj 2010.**, koji će se u sklopu Tempus projekta WBC-VMnet: Mreža korisnika virtualne proizvodnje – potpora integraciji trokuta znanja održati u petak 18.06.2010. godine u 1300 sati u prostorijama Znanstveno tehnološkog parka – SteP R Sveučilišta u Rijeci. Na adresi Slavska Krautzeška 63/A, Kampus Sveučilišta u Rijeci.
 Saznaj više

Info dan 01.07.2010.
 Srijeda, 02.06.2010.
 Centar za EU projekte Sveučilišta u Rijeci poziva Vas na info dan – srpanj 2010.
 Saznaj više

Kontakti
 Tig braće Mažuranić 10
 51000 Rijeka
 T: +385 51 406-500
 Ured za znanost
 T: +385 51 406-521
 E: znanost@uniri.hr
 Centar za EU projekte
 T: +385 51 406-522
 E: projektiEU@uniri.hr
 Ured za transfer tehnologije
 T: +385 51 406-595
 E: ut@uniri.hr

Aktualno
 Oduška o preidu surfinanciranja aktivnosti FP7



Sveučilište u Rijeci
StePRI
Znanstveno tehnološki park

POčetna | O nama | Usluge | Stanari | Događanja | Novosti | POC | Kontakt | Press | Links | Pretraga | Traži

INFO dan u sklopu Tempus projekta WBC-VMnet
 SteP R | Događanja u SteP R | INFO dan u sklopu Tempus projekta WBC-VMnet

U petak 18.06.2010. godine održan je INFO dan u sklopu Tempus projekta

WBC-VMnet: Mreža korisnika virtualne proizvodnje – potpora integraciji trokuta znanja. (<http://www.wbc-vmnet.rs>)

Na info danu su predstavljeni rezultati i aktivnosti: Centra za suradnju i edukaciju (CTC) koji je osnovan u sklopu projekta WBC-VMnet na Tehničkom fakultetu u Rijeci i Tempus projekta Opening University towards Society: Linking Education-Research-Innovation (OPUS), Europska poduzetnička mreža (EEN) te softverska rješenja na području upravljanja proizvodnjom i troškovima (tvrtka Mintrade).

U sklopu info dana je održana prezentacija naprednih postignuća u području RP-brze izrade prototipova, što je novo veoma zanimljivo područje za različite djelatnosti od strojarstva, brodogradnje, građevinarstva, umjetnosti, medicine, maketarstva i modelarstva. Prezentaciju je održala renomirana izraelska firma Objekt Geometries Ltd (www.ogjet.com) iz područja RP (Rapid Prototyping).

Novosti
 SteP R | Novosti

IZDVOJENO
 23.06.2010
Započeo je s radom Edukacijski centar SteP R
 Dana 18.06.2010. započeo je s radom edukacijski centar SteP R. SteP R je u okviru ovog edukacijskog centra nastava i održavanje radionica koje se odnose na razne teme kao što su: istraživanje tržišta, upravljanje, poslovno prezentiranje, marketing i sl.
 Pročitaj više

ZADNJA DOGAĐANJA U STEP RI
INFO dan u sklopu Tempus projekta WBC-VMnet
 Na info danu su predstavljeni rezultati i aktivnosti Centra za suradnju i edukaciju (CTC) i Tempus projekta Opening University towards Society. Pročitaj više

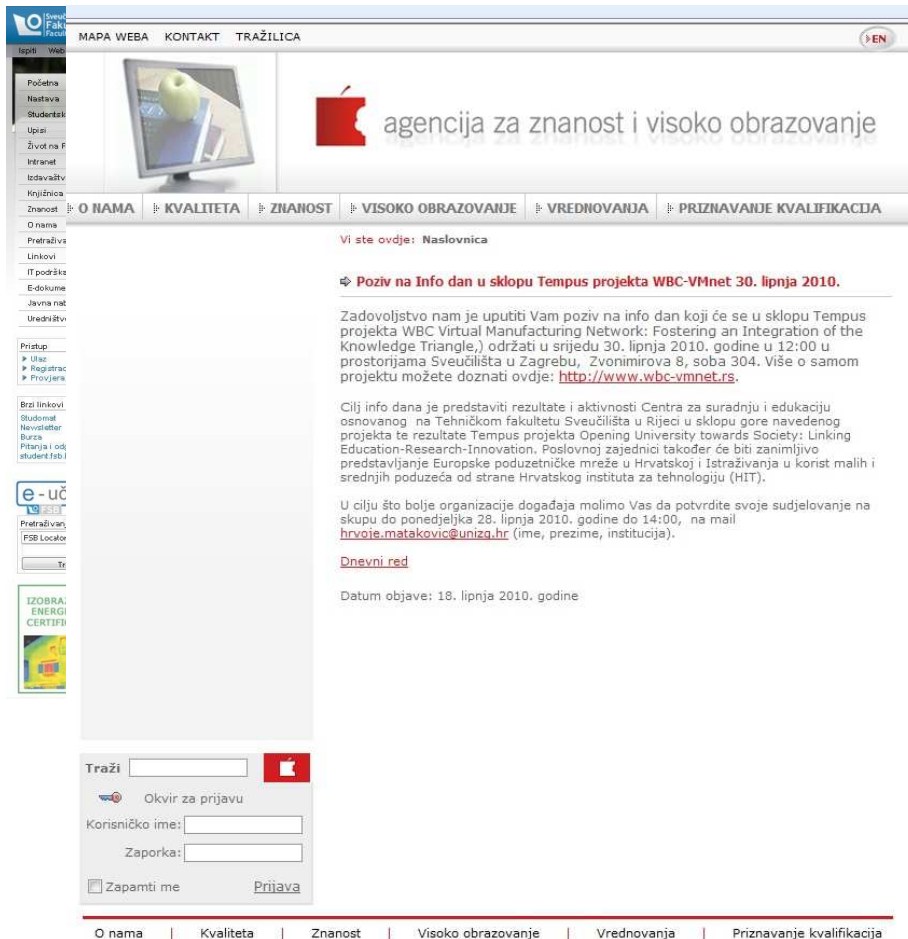
Sci Cafe SteP – Implementacija Bolonjskog procesa u zemljama Jugoistočne Europe
 U petak 10.06.2010. godine održan je znanstveni cafe na temu "Implementacija Bolonjskog procesa u zemljama Jugoistočne Europe" Gostie predavačice Ana Belin, Elana Cvrak, Marija Ivezović, Ivana Klačar, Anđelina Nedelović, Hana Vidović i Petra Budenović su u svome radu pokušale što obilježavaju predstaviti ideje Bolonjske deklaracije. Pročitaj više

Info days in Rijeka – public information and call for participation, June 2010

Zoran Jurkovic

This project has been funded with support from the European Commission

Outcomes 6.3. – continued



MAPA WEBE KONTAKT TRAJILICA

agencija za znanost i visoko obrazovanje

Vi ste ovdje: Naslovnica

➔ Poziv na Info dan u sklopu Tempus projekta WBC-VMnet 30. lipnja 2010.

Zadovoljstvo nam je uputiti Vam poziv na info dan koji će se u sklopu Tempus projekta WBC Virtual Manufacturing Network: Fostering an Integration of the Knowledge Triangle, održati u srijedu 30. lipnja 2010. godine u 12:00 u prostorijama Sveučilišta u Zagrebu, Zvonimirova 8, soba 304. Više o samom projektu možete doznati ovdje: <http://www.wbc-vmnet.rs>.

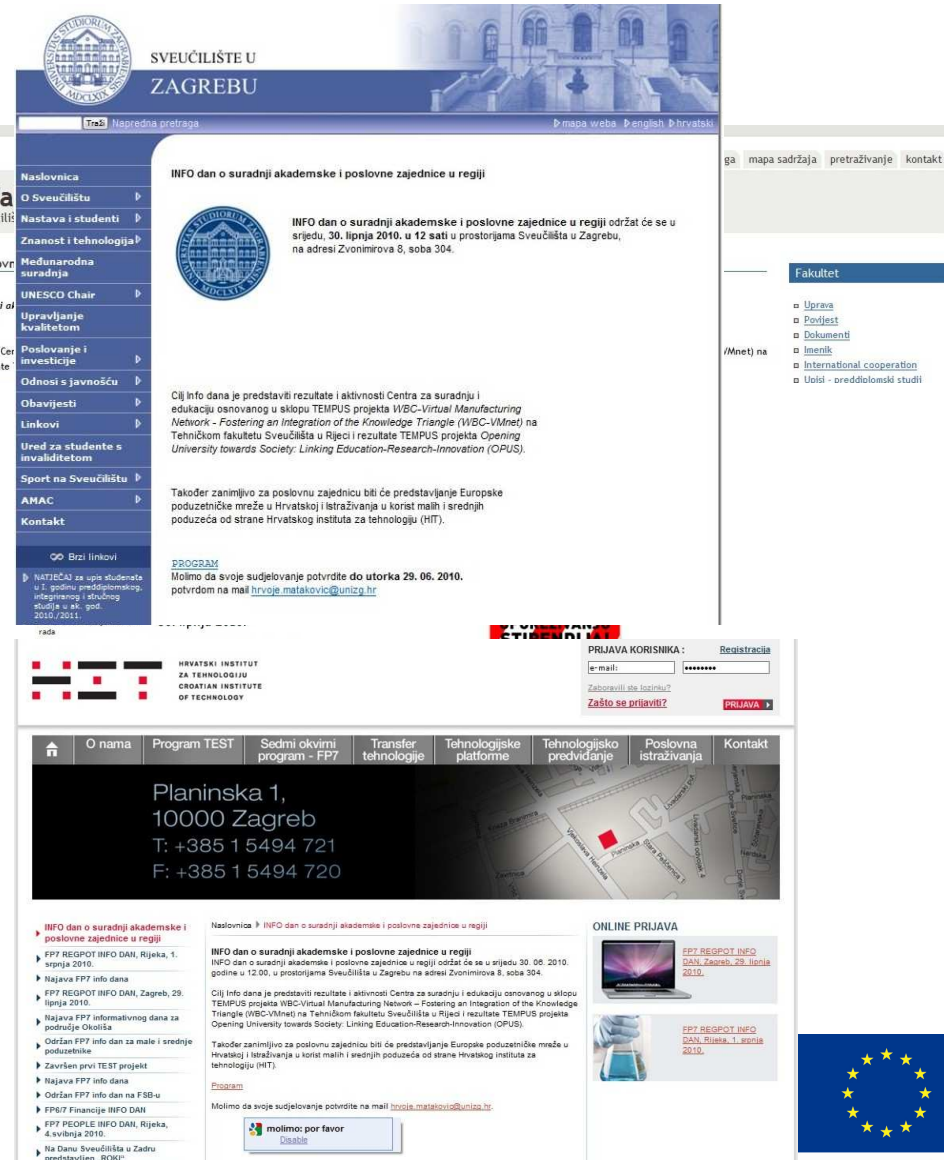
Cilj info dana je predstaviti rezultate i aktivnosti Centra za suradnju i edukaciju osnovanog na Tehničkom fakultetu Sveučilišta u Rijeci u sklopu gore navedenog projekta te rezultate Tempus projekta Opening University towards Society: Linking Education-Research-Innovation. Poslovno zajednici također će biti zanimljivo predstavljati Europske poduzetničke mreže u Hrvatskoj i Istraživanja u konist malih i srednjih poduzeća od strane Hrvatskog instituta za tehnologiju (HIT).

U cilju što bolje organizacije događaja molimo Vas da potvrdite svoje sudjelovanje na skupu do ponedjeljka 28. lipnja 2010. godine do 14:00, na mail hvoje.matakovic@unizg.hr (ime, prezime, institucija).

Dnevni red

Datum objave: 18. lipnja 2010. godine

O nama | Kvaliteta | Znanost | Visoko obrazovanje | Vrednovanja | Priznavanje kvalifikacija



SVEUČILIŠTE U ZAGREBU

INFO dan o suradnji akademske i poslovne zajednice u regiji

INFO dan o suradnji akademske i poslovne zajednice u regiji održat će se u srijedu, 30. lipnja 2010. u 12 sati u prostorijama Sveučilišta u Zagrebu, na adresi Zvonimirova 8, soba 304.

Cilj info dana je predstaviti rezultate i aktivnosti Centra za suradnju i edukaciju osnovanog u sklopu TEMPUS projekta WBC-Virtual Manufacturing Network - Fostering an Integration of the Knowledge Triangle (WBC-VMnet) na Tehničkom fakultetu Sveučilišta u Rijeci i rezultate TEMPUS projekta Opening University towards Society: Linking Education-Research-Innovation (OPUS).

Također zanimljivo za poslovnu zajednicu biti će predstavljanje Europske poduzetničke mreže u Hrvatskoj i Istraživanja u konist malih i srednjih poduzeća od strane Hrvatskog instituta za tehnologiju (HIT).

PROGRAM
 Molimo da svoje sudjelovanje potvrdite do utorka 29. 06. 2010. potvrdom na mail hvoje.matakovic@unizg.hr

PRJAVNA KORISNIKA:

O nama | Program TEST | Sedmi okvirni program - FP7 | Transfer tehnologije | Tehnologijske platforme | Tehnologijsko predviđanje | Poslovna istraživanja | Kontakt

Planinska 1, 10000 Zagreb
 T: +385 1 5494 721
 F: +385 1 5494 720

INFO dan o suradnji akademske i poslovne zajednice u regiji

FP7 REGPOT INFO DAN, Rijeka, 1. lipnja 2010.
 Najava FP7 info dana
 FP7 REGPOT INFO DAN, Zagreb, 29. lipnja 2010.
 Najava FP7 informativnog dana za područje Osijek
 Održan FP7 info dan za male i srednje poduzetnike
 Završen prvi TEST projekt
 Najava FP7 info dana
 Održan FP7 info dan na FSB-u
 FP7/7 Financije INFO DAN
 FP7 PEOPLE INFO DAN, Rijeka, 4. svibnja 2010.
 Na Danu Sveučilišta u Zadru predstavljen „ROKI“

Naslovnica | INFO dan o suradnji akademske i poslovne zajednice u regiji

INFO dan o suradnji akademske i poslovne zajednice u regiji održat će se u srijedu 30. 06. 2010. godine u 12:00, u prostorijama Sveučilišta u Zagrebu na adresi Zvonimirova 8, soba 304.

Cilj info dana je predstaviti rezultate i aktivnosti Centra za suradnju i edukaciju osnovanog u sklopu TEMPUS projekta WBC-Virtual Manufacturing Network - Fostering an Integration of the Knowledge Triangle (WBC-VMnet) na Tehničkom fakultetu Sveučilišta u Rijeci i rezultate TEMPUS projekta Opening University towards Society: Linking Education-Research-Innovation (OPUS).

Također zanimljivo za poslovnu zajednicu biti će predstavljanje Europske poduzetničke mreže u Hrvatskoj i Istraživanja u konist malih i srednjih poduzeća od strane Hrvatskog instituta za tehnologiju (HIT).

Program
 Molimo da svoje sudjelovanje potvrdite na mail hvoje.matakovic@unizg.hr.

ONLINE PRJAVA

FP7 REGPOT INFO DAN, Zagreb, 29. lipnja 2010.
 FP7 REGPOT INFO DAN, Rijeka, 1. lipnja 2010.

European Commission
TEMPUS

Info days in Zagreb – public information and call for participation, June 2010

Zoran Jurkovic

This project has been funded with support from the European Commission

❖ Workshop topics

Proposals for some workshop topics and presenting institution:

- **DIMEG – University of Padova:**
 - *Concurrent engineering*
 - *Rapidprototyping & Reverse engineering*
 - *Micro and precision manufacturing*
- **IPU:**
 - *Micro technology*
 - *Application of laser technology in industrial environment*
 - *Life long learning*
- **C3M and University of Ljubljana:**
 - *Symbolic approach to FEM*

❖ Proposals for vocational training schedule

• CTC–Rijeka:

- *Product design and development with CATIA, (January-February 2011)*
- *Process Quality Improvement Methods, (December 2010)*
- *Simulation of machining processes and rapid prototyping techniques (SolidWorks, SolidCam, RP) – introductory course. (April-May 2011)*

❖ Proposals for IFP implementation

• CTC–Rijeka can offer partnership to SMEs in following fields:

- *Rapid prototyping technology in industrial application – product development or redesign*
- *Application of CAD/CAM technology (SolidWorks, Catia, SolidCam)*
- *Design of progressive tools*
- *Process modelling and optimization (manufacturing processes)*
- *Process Quality improvement*

❖ Proposals for PPP implementation (EU)

• CTC–Rijeka:

- *Ph.D. student Hrvoje Radelja to visiting EU partner institution (IPU-Denmark) in 1 month period, october – december 2010., or september 2011, for some following research interest themes:*
 - multi-objective optimization of multi-product production line,
 - production line balancing,
 - decision making procedure:
 - ✓ launching and scheduling,
 - ✓ changing production line parameters; capacity (product speed through process)
 - operation planning (management),
 - process modeling and simulation.
- *Ph.D. student Sven Maričić to visiting EU partner institution (DIMEG-University of Padova) in 1 month period, january-march 2011., or september 2011, for some of following research interest themes:*
 - rapid prototyping
 - rapid manufacturing
 - biotechnology:
 - ✓ implants design
 - ✓ medical reconstructions
- segmentation of medical images

❖ Proposals for PPP implementation (WBC)

CTC–Rijeka:

- *Two students, visiting WBC partner (University of Kragujevac & SCGM), in field of:*
 - *die design (forging & extrusion processes),*
 - *rapid prototyping,*
 - *mold design and*
 - *fixture design.*

❖ Conclusions

✓ in looking backward our opinions the all defined activities according workplan is more and less finished successfully,

✓ in looking forward following soon activities are:

- organization of vocational trainings (3 modules),
- organization of Workshop & Brokerage event,
- carry out Practical Placement Programme for students of WBC partners with SME partner Elcon Geretebau and for our students PPP in EU and WBC partners,
- implementation of PPP & IFP programmes on local region.

