## Report about ZNTU (P08) activities June 2015 - April 2016 <br> Anzhelika Parkhomenko

ICo-op - project meeting Kiev, Ukraine, 01. 04. 2016

## Activities of P08 (ZNTU) June 2015 - March 2016

| Date | Activities | Results |
| :---: | :---: | :---: |
| Jul. 2015 | Pilot teaching results summarizing | Courses translation, modification and improvement |
| Aug.-Sept. 2015 | Preparation of the book «Remote and virtual tools in engineering» (UA) | Edition of the book |
| Oct. 2015 | Project conference, Bilbao, Spain | Report on ZNTU web-site |
| Oct. 2015 | Master class by Karsten Henke. Remote lab GOLDI assembling and maintenance in new room. | New «Laboratory of Remote engineering» in ZNTU, room 53a |
| Nov.2015- <br> Feb. 2016 | Preparation of students textbook «Remote and virtual tools in engineering» (EN) | Textbook layout |
| Feb. 2016 | Participation at REV2016 conference | Proceedings of the conference |
| Jul.2015- <br> March. 2016 | Dissemination and publication of project results | Information on ZNTU website, flyer and articles edition |

## Pilot teaching (March-June 2015) results summarizing: topics, participants, Certificates

-Learning modules
-Control System of Electrical Machines and Apparatuses -Technologies and systems of virtual and remote engineering -Quality of Informational Systems -HR Management of innovative enterprises
-47 participants - representatives of 21 Zaporizhzhya companies and enterprises, ZNTU teachers
 and master students
-78 training Certificates
http://www.zntu.edu.ua/pilotne-navchannya-za-planom-mizhnarodnogo-proektu-tempus-ico-op
http://www.zntu.edu.ua/pidsumky-pilotnogo-navchannya-za-programoyu-mizhnarodnogo-osvitnogo-proektu-tempus-ico-op

## Pilot teaching (March-June 2015) results summarizing : feedback from industrial partners



Technologies and systems of virtual


Quality of Informational Systems


HR Management of innovative enterprises

Industrial Cooperation and Creative

## Pilot teaching (March-June 2015) results summarizing : evaluation report about trainings and Certificates on sharepoint <br> MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE



ZAPORIZHZHYA NATIONAL TECHNICAL UNIVERSITY

O.Andriyenko
http://sharepoint.tu-ilmenau.de/

# Pilot teaching (March-June 2015) results summarizing : learning modules in English and Ukrainian on sharepoint 


http://sharepoint.tu-ilmenau.de/

Preparation of ZNTU report for project conference (October, 8-10, 2015, Bilbao, Spain)


Project coordinator Karsten Henke visit to ZNTU (October, 22, 2015): awarding of Certificates to best master students and learning modules authors

http://zntu.edu.ua/?q=node/3965


Project coordinator Karsten Henke visit to ZNTU (October, 22, 2015): master class, assembling, maintenance of the laboratory GOLDI in new ZNTU «Laboratory of remote engineering» (room 53a).


Dissemination of project results: meetings with foreign guests and scholars

$6^{\text {th }}$ ICo-op project meeting

## Dissemination of project results: National Erasmus+ Office in Ukraine web-site


http://erasmusplus.org.ua/novyny/1236-synerhiya-proektiv-tempus -ico-op-ta-desire-v-zaporizkomu-natsionalnomu-tekhnichnomu-universyteti.html

## Dissemination of project results: ZNTU web-site


http://zntu.edu.ua/?q=node/3418

http://zntu.edu.ua/?q=node/3965

http://zntu.edu.ua/?q=node/3965

http://www.zntu.edu.ua/pidsumky-pilotnogo-navchannya-za-programoyu-mizhnarodnogo-osvitnogo-proektu-tempus-ico-op

## Dissemination of project results: flyer edition

| 200 |
| :--- | :--- |
| EU-UA JONT MASTER COURSE |

## IN SOFTWARE ENGNEERING

JfP-26182-2005
© Guriculum \& syllabi ( 11 disciplines) for $M$ ar pecially Automated systems software
Wew laboratory of Software Engineering (room 58 Staff training in EV universities 9 teachers) -uA Master Degree diplomas ( 5 student


PRAGTICE ORIENTED MASTER
PROGRAMMES IN ENGINEERING
INRU, UA, UZ
510920-Tempus-1-2010-1-De-Tompur-JPCR

## Main resulks

New Syllabi (9 discipilines) for Master Degree in seidilite dester software and elnformation tectnology of design
New labratory of CAa/CAM/CAE with licensed software Altium Designer and Cree (room 57)
Staff training in EU Universities ( 5 teachers) Distarke pilo teaching a Modem TREv 7 students) Publishing of four students' textbooks Agreements on cooperation with enterprises: Motor Sich,
Khartion-YUKOM, Zaporcehtransformator


2012-2016
INDUSTRIAL COOPERATION AND CREATIVE ENGINEERING EDUCATION BASED ON REMOTE ENGINEERING AND VIRTUAL IISTRUMENTATION

S30228-TEMPUS-1-2012-1-DC-TEMPUS-JPHES

## Main result

New Syllabi (4 disdiplines) for industrial enterpises staff
New laboratory of Remote engineering (room 53a)
Staff training in EU universities (5 teachers) Pilot teaching for representatives of enterprises and companies students tellod puid Mrain Agreements on cooperation with companies: PRocom, Brig Retail



Dissemination of project results: XIII International Conference on Remote Engineering and Virtual Instrumentation (REV2016), February, 24-26, 2016


## Publications of project results: Proceedings of XIIII International Conference on Remote Engineering and Virtual Instrumentation (REV2016)

- Remote laboratory for teaching of control systems design as an integrated system/ K. Henke, M. Poliakov, T. Larionova, G. Tabunshchyk, A. Parkhomenko, pp.333-340.
- Reusable Solutions for Embedded Systems Design A. Parkhomenko, O. Gladkova, A. Sokolyanskii, V. Shepelenko, Y. Zalyubovskiy, pp. 313-317
- Remote Experiments For Reliability Studies Of Embedded Systems/ G. Tabunshchyk, D. Van Merode , P. Arras , K. Henke, pp. 68-71.



## Publications of project results: books and scientific articles



> National Technical University "Kharkiv Polytechnic Institute"

INNOVATIVE ENTREPRENEURSHIP

Textbook

Edited by Prof. Olga Savchenko

Control Science and Engineering


Запоріжжя
2015


IS8N 978-617-7299.28-4

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Co-op
Co-funded by the Tempus Programme

## Publications of project results by P08 (ZNTU) on sharepoint

WP_6 - Dissemination and Sustainability / DEV_6.4_Information_Material / P08_ZNTU_publications

## Sustainability of project results



Kiev, Ukraine, April 1 $1^{\text {st }}, 2016$

## Open issues: students textbook in English edition



## Open issues: invitation for new group


http://zntu.edu.ua/biznes-shkola-0

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