



Report about *ZNTU (P08)*activities October 2012 – March 2014

Alexander Andrienko

3-d ICo-op Project Meeting Tbilisi, Georgia, March, 24-25, 2014



Zaporizhzhya National Technical University



Setting expert Panel



First Name and Surname	Position
Alexander Andrienko	Assistant of rector for International Cooperation, coordinator of the project from ZNTU, Manager of Expert Panel
Anatolii Prytula	Professor of Software Tools Department
Galyna Tabunshchyk	Associate Professor of Software Tools Department
Anzhelika Parkhomenko	Associate Professor of Software Tools Department
Vadym Onyshchenko	Associate Professor of Software Tools Department
Ravil Kudermetov	Head of Computer Systems and Networks Department
Olexii Petryshchev	Associate Professor of Electronic Devices Information Technology
Oleg Agarkov	Head of Social Work Department



WP1. Focus group

Earmarked ZNTU departments involved to the project:

- •HR management and Labor Economics
- Electrical Machines and Apparatuses
- Electrical drive and automation of industrial plants
- Software Tools
- Computer Systems and Networks
- Informational Technologies of electronic means
- Transport Technologies
- Machines and Technologies of Foundry Engineering
- Machines and Cutting Tools







Established University – Enterprises Executive Board

The Board is established according to ICo-op work plan with an aim to support:

- •The design of new learning programs focused on labor market needs;
- •The development of the Strategy Plan for students' practical placement in enterprises;
- •Selection and offering project/thesis topics in cooperation with enterprises.

Members from the industry:

Mykola lefymenko	Manager of research-and-production enterprise "Khartron-Yukom"
Andrii Spakhy	Manager of Automation Department of public joint-stock company "Zaporozhtransformator"
Olexii Basov	Manager of technical documentation division of public joint-stock company "Motor Sich"
Mykola Artem'yev	General director of "Sterling Group Ukraine" Ltd
Olexandr Kuznetsov	Manager of bureau of Internet technology and industrial design of automated production control system department of research-and-production trust "Iskra"
Yevgeniy Gofman	Deputy director of Ecological Systems Ltd
Olena Zhytova	Head of the Department of professional orientation of Zaporizhzhya region placement service



Poll of students, teachers and employers to study their views in knowledge, skills and competence in engineering required by the labor

market.

Participated in the survey:

- •36 masters
- •29 teachers
- •28 representatives from 24 companies – employers

- 1. Pension Fund of Ukraine,
- 2. SQURO,
- 3. Zaporozhye College Electronics,
- 4. PJSC Motor Sich,
- 5. JSC Zaporizhstal,
- 6. Art Telecom,
- 7. NPP Hartron-Yukom,
- 8. Ashberrysoft,
- 9. Cupid plc,
- 10. NPF Business

Computer Service,

- 11. JSC ZTR,
- 12. Impulse,

- 13. LLC Innoveks Ukraine,
- 14. KP NPK Iskra,
- 15. Metrotek,
- 16. JSC Pluton,
- 17. A2-Soft,
- 18. GP lychenko –

Progress,

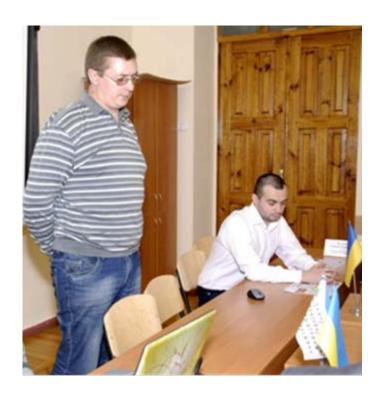
- 19. Ltd. Tehsnabkomplekt service.
- 20. Privatbank,
- 21. Zaporozhye

Electrotechnical College,

- 22. Sloboda studio,
- 23. LLC Wellink,
- 24. Quasar Horte.



Meetings project team with representatives of employers in ZNTU



Representative from JSC "Zaporozhtransformator" - Andriy Spakhy, from RPT "Iskra" Olexandr Kuznetsov



Representative from RPE "Khartron-Yukom" Mykola lefymenko



Teachers and students visits to the JSC Zaporozh Transformator" and JSC "DneproSpetsStal"











The meeting of representatives of employers with students



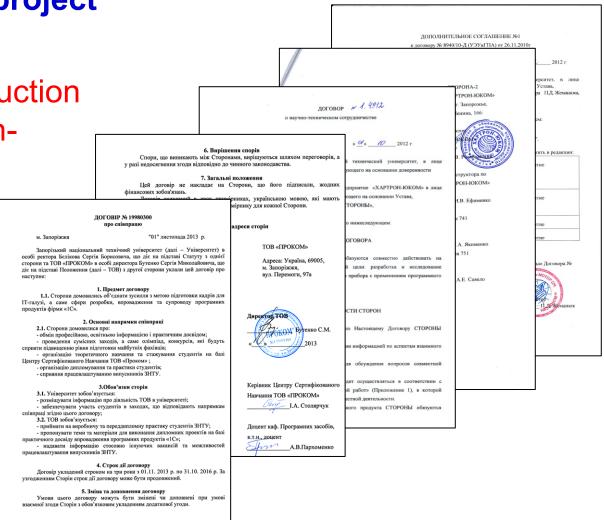


Agreements on cooperation ZNTU-Enterprises in the framework of the project

PJSC "Motor Sich"

 Research and Production
 Enterprise "Khartron-YUKOM"

Co.Ltd PROCOM





Students ZNTU Employment Center





http://pks-zntu.org.ua/index.php/pratsevlashtuvannia



Participation of ZNTU representatives in project activities



Kick-off meeting (Ilmenau University of Technology)

2nd project meeting (NTU "KhPI")



Participation of ZNTU representatives in project activities





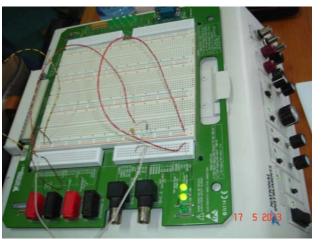
Monitoring meeting (NTU "KhPI"), November, 2013



Participation in the training «Best EU practice» Transilvania University of Brasov, Romania, May, 2013













Participation in the training «IMPROVING QUALITY IN LEARNING SERVICES USING MANAGEMENT SYSTEMS»

Yerevan, Armenia, December, 2013









Analysis and choice of laboratory

- Lab GOLDI (Ilmenau University of Technology)
- WebLab-Deusto (University of Deusto)
- NI ELVIS lab (University "Transilvania")

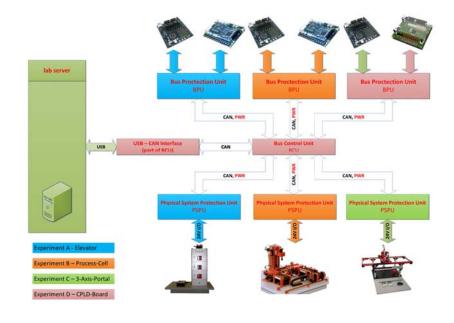




Lab GOLDI (Ilmenau University of Technology)













Internship activities

- •Meeting with the representatives of the TU Ilmenau Service GmbH according the delivering equipment to ZNTU
- •Participation the meetings on the supporting and developing tools for the integrated online lab GOLDI
- Visiting the presentation of Students Works at the "Basic Engineering School"
- •Visiting Job Fair for StudentsAcquaintance with the laboratories of the Communication Systems Group
- •Working on teaching materials on using the SMT rapid prototyping board







Agreement between Ilmenau University of Technology and ZNTU







Agreement between Transilvania University of Brasov and ZNTU



AGREEMENT

of Academic Cooperation between

Transilvania University of Brasov (Romania, Zaporizhzhya National Technical University (Ukraine

The contracting parties agree to develop a co-operation in education and science that mutually benefits teaching staff, research workers and students of both universities

The main purpose of this cooperation is to engage in joint scientific work.

In order to realise the aims mentioned above both Parties agre mobility of:

- a) teaching staff, research workers and students (graduate specified in the work-programmes of the co-operation, wh the framework of this Agreement,
- b) scientific publications and results in the field of science,
 c) knowledge in the fields of education and training te advancing teaching material and applying modern teaching

Both Parties agree to cooperate in research, to publish the results co-operate in joint scientific projects and to implement the result

Both Parties will participate in scientific conferences, seminars a are organised by either Party, in the mutual exchanges of the le programmes creation.

Both Parties agree to prepare work programmes for every acad

development of relations between universities

objectives of this Agreement. The present agreement does not exclude other forms of co

This Agreement is made in 2 copies, in English: 1 copy for each paridentical.

VII

This Agreement is valid for a period of 5 years. It enters into effect from the date of its signing by the statutory representatives of both institutions. In case of a preterm cancellation of this Agreement the Party that intends to cancel the Agreement has to notify the other Party in writing no less than 6 months prior to the cancellation. This agreement will be renewed automatically for the next five years unless one of the two contracting parties expresses a wish to cancel the agreement with at least 3 month notice.

All modifications and additions to this Agreement are made in written form upon mutual

Coordination of cooperation is assigned on the vice-rector for international cooperation and Prof. Dr. Eng. Cornel Samoila from Transilvania University of Brasov and Assoc. Prof. of Software Tools Department Galyna Tabunshchyk from Zaporizhzhya National Technica

The agreement is signed on the "20" NE, 2013 by:

From Transilvania University of Brasov

From Zaporizhzhya National Technical

Prof. Dr. Ioan Vasile Abrudan

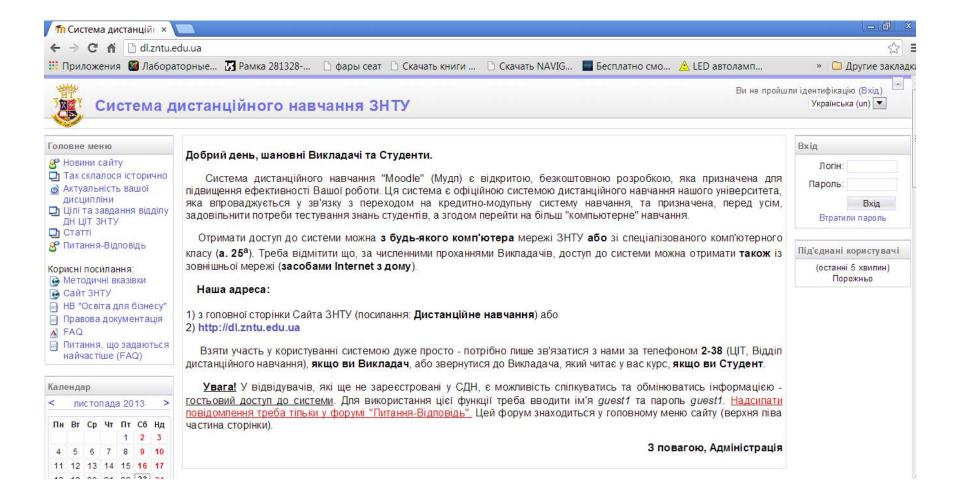
Address: B-dul Eroilor nr.29, Tel +40 268 413000

Fax +40 268 410525

Address: Zhukovskogo Str, 64 Zaporizhzhya, 69063, Ukraine Tel +38 0617642506

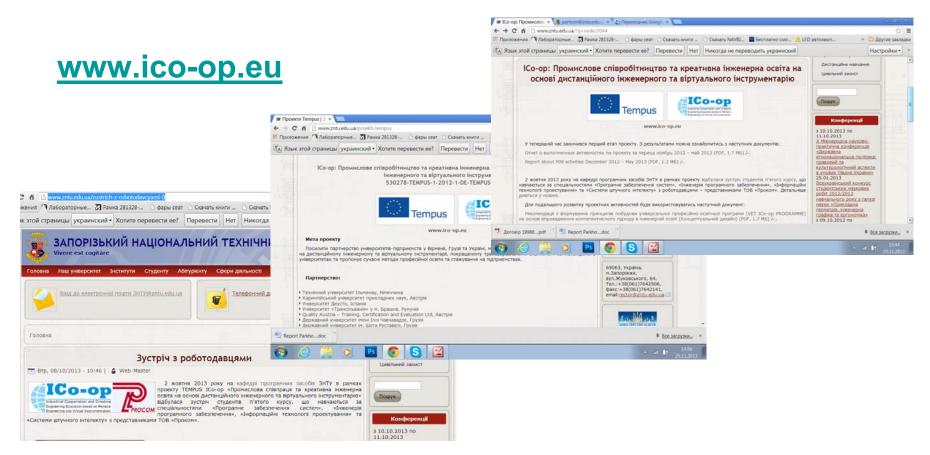


Moodle – Learning Management System in ZNTU





Dissemination of project results (1-year)



http://zntu.edu.ua/zustrich-z-robotodavcyami-0

http://www.zntu.edu.ua/?q=node/2044

http://www.zntu.edu.ua/proekti-tempus

http://www.zntu.edu.ua/uchast-zntu-u-proektah-programi-tempus



Publications of project results (1-year)

- XII International Conference "The Experience of Designing and application of CAD Systems in Microelectronics (CADSM 2013)", Polyana Svalyava (Zakarpattya), February 2013
- IX International Conference "PERSPECTIVE TECHNOLOGIES AND METHODS IN MEMS DESIGN (MEMSTRCH 2013)", Polyana Svalyava (Zakarpattya), April 2013
- Annual scientific-practical conference ZNTU «Science Week 2013», Zaporizhzhya, April 2013

International scientific-practical conference "PRACTICE AND PROSPECTS OF PARTNERSHIP IN HIGHER EDUCATION", Donetsk, April 2013

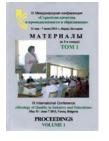
International Conference "Quality strategy in industry and education", Varna, Bulgaria, May - June 2013

- International Conference "Cooperation between universities and enterprises in the field of IT outsourcing (ICCUBITO 2013)", Kharkov, June 2013
- The 7th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems Technology and Applications (IDAACS 2013), Berlin, September 2013

Aricle in scientific journal «Naukovi pratsi DonNTU» Series: Informatics, Cybernetics

and Computer Science

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Publications of project results (2-year)

- •XI International Conference on Remote Engineering and Virtual Instrumentation (REV2014), Porto, Portugal, February, 2014
- •XII International Conference "Modern Problems of Radio Engineering, Telecommunications and Computer Science" Lviv, Ukraine, February- March, 2014









Inter TEMPUS coaching at REV2014 Conference, Porto, 27 February, 2014









Tbilisi, Georgia, March 24-25, 2014

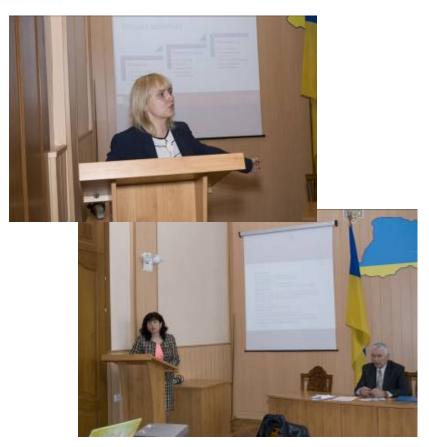


Inter TEMPUS coaching, ZNTU meeting, Zaporizhzhya, 20 March, 2014













ZNTU activities on purchasing and delivery lab REAL equipment

- Consultations with local custom broker, getting ZNTU accounting card for transactions with goods (October, 2013)
- Discussion of server configuration required for the functioning of the GOLDI laboratory, negotiation with Ukrainian suppliers of hardware (November-December, 2013)
- 3. Getting of projects registration card (January, 2014)
- 4. Signing an Delivery agreement with GMBH (February, 2014)



Open Questions

- 1) Study of documents provided by the project partners:
- Guide of initiation ICo-op VET Programme (Conceptual Design) (NTU "KhPI")
- Module specifications (University of Deusto)
- 2) Development of learning modules using laboratory GOLDI infrastructure:
- Control System of Electrical Machines and Apparatuses (Michael Poliakov)
- Technologies and systems of virtual engineering (Anzhelika Parkhomenko, Olga Gladkova)
- Quality of Informational Systems (Galina Tabunshchyk)
- 3) Development of transversal learning module:
- HR Management of innovative enterprises (Elena Vasilieva, Andrei Sokolov, Andrei Karpenko, Denis Vasilychev)
- 4) Preparations for the Annual scientific-practical conference ZNTU «Science Week 2014», Zaporizhzhya, April 2014
- 5) Preparations for the Scientific-practical conference «Modern Problems and Achievements of Radio Engineering, Telecommunications and Information Tecnology», Zaporizhzhya, September, 2014
- 6) Coordination of the documentation for the delivery of a remote lab GOLDI equipment to ZNTU



Contact Information

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THANK YOU!

