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REPORT
on 6.1. workplan activity
«Organizing and conducting information workshops for university staff and stakeholders»

Partner: SMTU

Project period: (2) 15.12.2017 – 14.04.2018

Activity due date according to the workplan: 07.09.2017

Workshops location: Kazan National Research Technological University (KNRTU), Kazan, Karl Marx Prospect, 74, educational building "B".

Within the framework of activity 6.1. in the KNRTU 07.09.2017 SMTU representative (Vladimir Ryzhov) took part in Round table of Stakeholders and Universities «Staffing of the enterprises of oil/gas/chemical complex: issues of the development of engineering pedagogy», held in the framework of the international conference "SYNERGY-2017".

The round table is organized by the International Federation of Engineering Education Societies (IFEES), International Society for Engineering Training (IGIP), Society of European Engineering Education (SEFI), Association of Engineering Education of Russia (AEER), National Training Fund of the Russian Federation (NTF).

Within the framework of the Round Table presentations on the subject of practical-oriented methods and technologies for training of engineering staff in various universities were made, the issues of correspondence of the Federal State Educational Standards and Professional competences of industrial enterprises.

Numerous reports were made at the conference, among them:

J.C. Quadrado - president of the IFEES 2012-2014 «Engineering Education to Support Employment» (Fig.5-6);

S.I. Gerasimov – Director of the AEER «Engineering education in Russia: state, problems, prospects » (Fig.7-8);

F. Sanger - Executive Director of the Development of Technology and Innovation Center, Purdue Politechnic University, USA «Development of Technologies and Innovation in a Modern University» (Fig.8-10);

V.M. Zhurakovsky - National Training Fund of the Russian Federation «Methodical and organizational innovations in the sphere of engineering staff training, taking into account priorities of real economy sectors» (Fig.11-12), etc.

Within the framework of the Roundtable, a Working meeting of the basis universities of PJSC "Gazprom" was held, one of which is the SMTU.

The issues of preparation for the network international conference on engineering education "New standards and technologies of engineering education: the opportunities of universities and the needs of the oil and gas chemical industry - Synergy-2017".

SMTU representative (Vladimir Ryzhov) told about the projects implemented in the SMTU in this direction and proposed to hold a session of the network conference using high-resolution video-conferencing in mid-October 2017.

The following topics were proposed for this session:

1. Technologies of project education in engineering training in the SMTU: development of robotic platforms for enterprises of the oil and gas chemical industry implementing projects on the sea shelf. Head of the Applied Mathematics and Computer Modeling Department in the SMTU, Director of the Center for Distance Learning Technologies, Doctor of Technical Sciences, Professor V.A. Ryzhov.
2. Experience of the international project InMotion: the introduction of new technologies for engineering staff training. Assistant professor of the Applied Mathematics and Computer Modeling Department in the SMTU, Phd, assistant professor T.A. Fedorova
3. Kongsberg Digital AS/SMTU Project: virtual reality technologies for the oil and gas industry - training of development engineers and the practical use of simulator systems for staff retraining. Head of Visual Development Group in Kongsberg Digital AS M.V. *Lylykin*

These proposals were adopted by the organizing committee of the International Conference.

Some points of the International Conference are presented in Fig. 1-12.



Fig. 1-2. Participants of the Round Table «Issues of the development of engineering pedagogy»



Fig. 3-4. Participants of the Round Table «Issues of the development of engineering pedagogy»



Fig. 5-6. Presentation of J.C. Quadrado - president of the IFEEES 2012-2014, Instituto Superior de Engenharia do Porto (ISEP), Portugal



Fig. 7-8. S.I. Gerasimov – Director of the Association of Engineering Education of Russia - AEER



Fig. 9-10. F. Sanger - Executive Director of the Development of Technology and Innovation Center, Purdue Politechnic University, USA

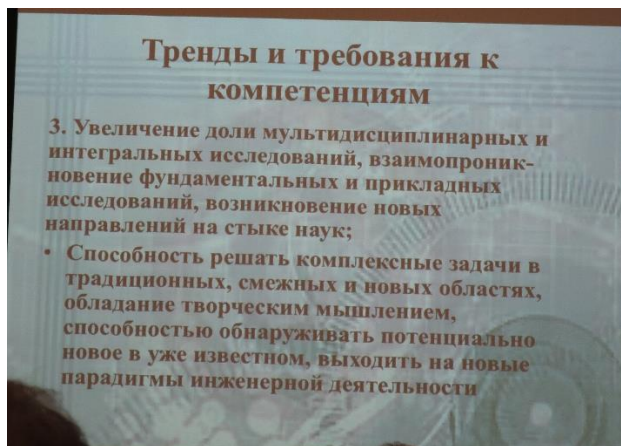


Fig. 11-12. V.M. Zhurakovsky - National Training Fund of Russian Federation

Project Coordinator from SMTU
Professor V. Ryzhov