

THIRD INTERNATIONAL SCIENTIFIC CONFERENCE ON APPLIED NATURAL SCIENCES - 2011

Symposium 4: Humanities, Pedagogy and Foreign Languages in Natural and Technical Sciences (Report)

Symposium 4 meetings held on: 6 – 7 October 2011
Conference venue: Častá-Papiernička
Conference organiser: Faculty of Natural Sciences,
University of SS Cyril and Methodius in Trnava
No. of Symposium 4 participants: 15
Report elaborated by: Mgr. Helena Zárubová

In the preparation period of the conference, the Department of English Language at the Faculty of Natural Sciences was assigned to organise Symposium 4 entitled Humanities, Pedagogy and Foreign Languages in Natural and Technical Sciences. The Department proposed the following topics for manuscripts and discussion.

1. Languages for Specific Purposes.
2. Professional language training in technical and natural sciences.
3. Philosophical visions and the routes of development in natural and technical sciences for the twenty-first century.
4. The development of key competencies of students and teachers in natural sciences and technology.
5. Lifelong education in natural and technical sciences.
6. Multidisciplinary and interdisciplinary aspects in teaching, learning, and research.
7. Didactics of technical and natural science subjects.
8. E-learning and effectiveness of teaching-learning process by means of ICT in natural sciences and technology.
9. Humanisation of education in technical and natural science subjects.
10. Professional language training in technical and natural sciences.

The meetings of Symposium 4 were joined into one section together with Symposium 3 “Applied Informatics, Mathematics and Statistics”, in four blocks of lectures.

Introductory lectures were held by Prof. Ing. Tomáš Kozík, DrSc. and Assoc. prof. PaedDr. Ján Danek, CSc., who devoted to the analysis and development of education under new conditions of the twenty-first century. Professor Tomáš Kozík underlined the changed approaches towards education in the countries of European Union. Philosophy of education comprehended as preparation of individuals for a lifelong profession has been changed into the philosophy of a lifelong employment. Dynamic development of information society and scientific knowledge, as well as the danger of a global crisis - those are new social conditions under which education becomes a moral shield and a tool for the maintenance of economic stability of countries and communities. Associate professor Ján Danek emphasised the importance of education and interpersonal relationships in the forming of human personality.

He analysed philosophical, pedagogical and social conditions of society and their influence on educational process. He also pointed at negative phenomena in social life and the need to return to traditional values that should be applied in the upbringing and education of young people.

The contributions of other participants were aimed at different aspects of teaching and learning process, including the following: professional preparation of technical subject teachers, application of multimedia technologies in teaching/learning process, use of e-learning and blended learning in the teaching of specific subjects, elaboration of modern teaching aids, project work in ESP classes, status of English language among other world languages, attractive applications of mathematical knowledge in other scientific fields and in common life.

Within a poster session, four posters from Symposium 4 were exhibited. The participants presented the following topics: projects of general English and ESP English for students of mathematics, physics and informatics; development of students' creativity in technical education; motivation to project work in specialised subjects; efficiency of using blended learning in education of technical subjects.

Pedagogues of the Department of English Language Mgr. Helena Zárubová a Mgr. Juraj Miština, PhD. were members of the Organisational Committee, took an active part in preparatory works and in ensuring the smooth course of the conference. They gave oral presentations and moderated part of sessions.

Participation of foreign pedagogues in Symposium 4 was one of positive aspects and contributed to a high professional level of the meetings. Out of the total 15 participants, 2 were from Poland, 6 came from the Czech Republic, 7 were from Slovakia. The meetings proceeded in a pleasant and creative atmosphere and lay a foundation for future cooperation.

Symposium 4: Humanities, Pedagogy and Foreign Languages in Natural and Technical Sciences

Country	Slovak Republic	Czech Republic	Poland	Total
Number of participants	7	6	2	15

Oral Presentations:

Participant's name	Workplace	Title of Presentation
1. Prof. Ing. Tomáš Kozík, DrSc. - keynote speaker	Department of Technology and Information Technology, Faculty of Education, Constantine the Philosopher University in Nitra, Slovakia	The development of educational strategies in the Slovak Republic at the beginning of the 21 st century
2. Doc. PaedDr. Ján Danek,	Department of Pedagogy,	Perspectives of contemporary upbringing

CSc. - keynote speaker	Faculty of Arts, , University of SS. Cyril and Methodius in Trnava, Slovakia	
3. Dr. Inž. ELŽBIETA SAĽATA	Institute of Computer Science, Faculty of Teacher Training, Kazimierz Pułaski Technical University of Radom, Poland	Training teachers of technology education and computer science
4. Dr. MARIA RACZYŃSKA	Institute of Computer Science, Faculty of Teacher Training, Technická univerzita Radom, Poľsko	The importance of multimedia used by a technology teacher
5. Ing. JIŘÍ HRBÁČEK, PhD.	Faculty of Education, Masaryk University, Brno, Czech Republic	Efficiency of using blended learning in education of technical subjects
6. Mgr. MARTINA LUPRICHOVÁ	Lifelong Learning Centre, Constantine the Philosopher University in Nitra, Slovakia	Teaching aid for immunology education support at universities
7. Mgr. JURAJ MIŠTINA, PhD.	Department of English Language, Faculty of Natural Sciences, University of SS. Cyril and Methodius in Trnava, Slovakia	Project work in the ESP classes at the Faculty of Natural Sciences
8. RNDr. JAROSLAVA TRUBENOVÁ, PhD.	Department of Applied Informatics, Faculty of Natural Sciences, University of SS. Cyril and Methodius in Trnava, Slovakia	The golden ratio in mathematics, architecture, art, and nature
9. Ing. MAREK ŠIMON, prof. Ing. TOMÁŠ KOZÍK, DrSc.	Faculty of Mathematics and Physics, Charles University, Prague, Czech Republic	Remote experiments, real benefits, or fashion wave?
10. Ing. ANDREA VADKERTIOVÁ	Department of Applied Informatics, Faculty of Natural Sciences, University of SS. Cyril and Methodius in Trnava; Slovakia	Cooperation of universities and business sector in knowledge transfer
11. Mgr. HELENA ZÁRUBOVÁ	Department of English Language, Faculty of Natural Sciences, University of SS. Cyril and Methodius in Trnava; Slovakia	The status of English language as an international lingua franca
doc. PhDr. ĽUBOV VLADYKOVÁ, PhD. (not present, manuscript published on a CD)	Department of Applied Ethics, Faculty of Arts, Pavol Jozef Šafárik University in Košice, Slovakia	Applied moral philosophy and ecological reflections for the twenty-first century
PhDr. MÁRIA BADINSKÁ, PhD. (not present, manuscript published on a CD)	Department of Foreign Languages and International Communication, Faculty of Political Sciences and	CLIL (Content and Language Integrated Learning) implemented to the module “Slovak Studies“

	International Relations, Matej Bel University in Banská Bystrica, Slovakia	
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Poster Presentations:

Participant's name	Workplace	Title of Poster
12. PhDr. ALEXANDRA KŘEPINSKÁ, CSc., 13. PhDr. MILUŠA BUBENÍKOVÁ, PhD.	Foreign Language Studies, Faculty of Mathematics and Physics, Charles University in Prague, Czech Republic	ESP for Mathematics, Physics and IT Students
14. PhDr. JAN NOVOTNÝ, PhD.	Faculty of Production Technology and Management, University of Jan Evangelista Purkyně (UJEP), Ústí nad Labem Czech Republic	Aspects of the creativity development in technical education
15. PhDr. JAROSLAV ZUKERSTEIN, PhD.	Faculty of Production Technology and Management, University of Jan Evangelista Purkyně, Ústí nad Labem, Czech Republic	Motivating aspects of project method in woodworking
Ing. JIŘÍ HRBÁČEK, PhD. (listed above as a presenter)	Faculty of Education, Masaryk University, Brno, Czech Republic	Efficiency of using blended learning in education of technical subjects

Trnava 9 October 2011

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