

## **Conference goals:**

The main objective of the conference is to pay attention to innovations in all spheres of science, technology and education. The motive power in the development of science and technology is implementing innovations in all areas. Innovation trends are applied in a different degree and form in the sphere of arts, social, natural and other sciences and research, educational process at all levels and types of educational institutions, and thereafter in the practice. The main aim of the conference is to describe general and particular direction of innovation processes in science, technology, education and practice.

The conference:

## **SCIENCE – TECHNOLOGY – EDUCATION, MEDACTA'08**

will be held within the Week of Science and Technology. In compliance with the main intention of the Week of Science and Technology, the conference aims at informing the public on the tasks of science and technology for the development of the society and their results, to persuade the public on the importance of science and technology, the necessity to support science and technology, which bring economical and social advancement.

### **SECTIONS:**

#### **1. INNOVATION TRENDS IN THE CONTENTS, FORMS AND METHODS OF EDUCATION**

- 1.1 INNOVATION TRENDS IN NATURAL SCIENCES
- 1.2 INNOVATION TRENDS IN ARTS AND SOCIAL SCIENCES
- 1.3 INNOVATION TRENDS IN TECHNICAL SCIENCES
- 1.4 INNOVATION TRENDS IN ARTS, CULTURE AND SPORT
- 1.5 NEW FORMS OF EDUCATION BASED ON ICT
- 1.6 IMPLEMENTATION OF ELECTRONIC BOARDS INTO EDUCATION

**Professional guarantee:** Prof. PhDr. Erich Petlák, CSc., doc. PaedDr. Radka Wildová, CSc., prof. RNDr. Mária Bauerová, PhD.

**Organizing guarantee:** section 1.1: RNDr. Hilda Kramáreková; section 1.2: PaedDr. Lívía Fenyvesiová, PhD.; section 1.3: Ing. Ildikó Pšenáková, PhD.; section 1.4: Miroslav Ballay, PhD.; section 1.5: Doc. Ing. Jozef Polák, CSc.; section 1.6: PaedDr. Peter Brečka, PhD.

#### **Annotation:**

New knowledge in natural, technical and social sciences, arts and their transformation into didactic system of individual sciences. Changes in education in the context of the school reform. Problems of implementing the new School Act into everyday practice of schools. New attitudes (methods, forms) to the realization of contents of education in schools. Reflection of changes in education on art, culture, physical education and sport. Utilization of ICT and implementation of electronic boards into education. Multimedia as motivating factor for teachers and pupils.

#### **2. CULTURE AS THE MEANS OF IMPROVING QUALITY OF LIFE OF THE SOCIETY**

**Professional guarantee:** Prof. PhDr. PaedDr. Ján Perhács, CSc. Dr. H. c., Prof. Dr. Thomas Fuhr,

**Organizing guarantee:** PaedDr. Ctibor Határ, PhD.

**Annotation:**

Monitoring the actual state in individual kinds of art, dynamic changes and tendencies in poetics, creative procedures, language of the contemporary art from the point of view of social and cultural processes. Real indication of opportunities for various educational use of works of art culture at school.

### **3. NEW TECHNOLOGIES IN THE SERVICE OF PROFESSIONAL AND LIFELONG EDUCATION**

3.1 PREPARATION OF TEACHERS FOR PROFESSIONAL ACTIVITY IN THE SCHOOL OF 3rd MILLENIUM

3.2 PREPARATION OF SCHOOL MANAGERS

3.3 DEVELOPMENT OF FURTHER TRAINING AND LIFELONG EDUCATION

**Professional guarantee:** Prof. Dr. Eva Szlovak, PhD., Prof. Ing. Peter Plavčan, CSc.

**Organizing guarantee:** Prof. PaedDr. Alena Hašková, CSc.

**Annotation:**

The section offers space for reflecting a new position of the school, effectiveness of functions formalized by the new Act on Education and preparation of a director as its manager, rectifier of its development and as its communicator. The aim of the section is to contribute to the elaboration of proposals for the improvement of teachers and headmasters preparation for the fulfilment of their functions in the new social conditions with a focus on pregradual and postgradual preparation of teachers of various grades and kinds of school, for the preparation of headmasters, its functionality, application of the relationship between theory and practice in their preparation and institutional and personal provision of variants of their preparation.

### **4. HELPING PROFESSIONS IN THE MIRROR OF NEW TASKS IN THE PRACTICE**

**Professional guarantee:** prof. PhDr. Eva Sollárová, CSc., prof. PhDr. Valérie Tóthová, PhD., R.N.

**Organizing guarantee:** PhDr. Lubomír Pilárik

**Annotation:**

The aim of the section is to present the current situation in the requirements of the practice of helping professions, particularly teachers', psychologists', social workers' and physicians' ones, and from the perspective of needs to update education at all levels, as well as applied research. Current tasks preferably reflect the new context of Slovakia within the European Union and preferred governmental tasks in the topics of education and research, and their contribution to the development of society.