

**PAVOL JOZEF ŠAFÁRIK UNIVERSITY IN KOŠICE
FACULTY OF MEDICINE**



**TRENDS OF EDUCATION AND RESEARCH
IN BIOMEDICAL TECHNOLOGIES**

Conference Program



**Košice
November 26 – 29, 2014**

Trends of education and research in biomedical technologies

Conference Committees and Venue

Organizing Committee:

Jaroslav Majerník (UPJŠ) - chairman
Stanislav Balčák (UPJŠ)
Daniel Dragún (UPJŠ)
Vladimír Medvec (UPJŠ)
Martina Trochanová (UPJŠ)

Program Committee:

Jaroslav Majerník (UPJŠ)
Marián Švída (UPJŠ)
Teodor Tóth (TUKE)
Elena Zaitseva (ŽU)

Scientific Committee:

Jaroslav Majerník (UPJŠ)
Radovan Hudák (TUKE)
Jozef Kostolny (ŽU)
Miroslav Kvassay (ŽU)
Vitaly Levashenko (ŽU)
Monika Michalíková (TUKE)
Marián Švída (UPJŠ)
Teodor Tóth (TUKE)
Elena Zaitseva (ŽU)
Jozef Živčák (TUKE)

Venue:

Pavol Jozef Šafárik University in Košice
Faculty of Medicine
Department of Medical Informatics
Trieda SNP 1
040 11 Košice

Date:

November 26 – 29, 2014

Conference Languages:

English & Slovak

Framework program

Wednesday, November 26, 2014

13:00 – 14:00	Registration
14:00 – 15:30	Opening Invitation of speakers Introduction of Department of Medical Informatics
16:00	Visit of Košice

Thursday, November 27, 2014

09:00 – 10:30	Education in Biomedical technologies I
10:30 – 10:45	Coffee break
10:45 – 12:15	Research in Biomedical technologies I
12:15 – 13:15	Lunch
14:00	Slovak Technical Museum

Friday, November 28, 2014

09:00 – 10:30	Education in Biomedical technologies II
10:30 – 10:45	Coffee break
10:45 – 12:15	Research in Biomedical technologies II
12:15 – 13:15	Lunch
14:00	Old Town Walk

Saturday, November 29, 2014

09:00 – 10:30	Education in Biomedical technologies III
10:30 – 10:45	Coffee break
10:45 – 12:15	Research in Biomedical technologies III
12:15 – 13:15	Closing ceremony

Detailed program

Wednesday, November 26, 2014	
13:00 – 14:00	Registration
14:00 – 15:30	Opening Ceremony <i>Jaroslav Majerník, Teodor Tóth</i> <i>Welcoming speech</i> <i>J. Majerník, T. Tóth</i> <i>Trends of education in biomedical technologies</i> <i>J. Majerník</i> <i>Trends of research in biomedical technologies</i> <i>T. Tóth</i> <i>History, presence and future of Department of Medical Informatics</i> <i>J. Majerník</i>
16:00	Visit of Košice

Thursday, November 27, 2014	
9:00 – 10:30	<p>Education in Biomedical technologies I <i>M. Švída, S. Balčák</i></p> <p><i>Ochrana údajov na počítačových médiách a na internete proti ich zneužitíu</i> <i>M. Švída, J. Majerník</i></p> <p><i>Teaching of clinical information systems at the Department of Medical Informatics</i> <i>M. Švída</i></p> <p><i>Academic Information System in Education at Faculty of Medicine in Kosice</i> <i>S. Balčák</i></p> <p><i>Portal of Multimedia Support in Education of Clinical Disciplines</i> <i>J. Majerník</i></p>
10:30 – 10:45	Coffee break
10:45 – 12:15	<p>Research in Biomedical technologies I <i>T. Tóth, J. Kostolný</i></p> <p><i>Meranie rozloženia tlaku v lôžku predkolenných protéz</i> <i>V. Rajtukova, R. Hudak, J. Zivcak, P. Halfarova</i></p> <p><i>Reliability Analysis of Healthcare System based on the Importance Analysis</i> <i>J. Kostolny, M. Kvassay, E. Zaitseva, S. Kovalik</i></p> <p><i>Experimentálne meranie drsnosti testovacích vzoriek vyrobených technológiou DMLS z titánovej zliatiny Ti-6Al-4V</i> <i>M. Schnitzer, M. Lisý, R. Hudák, J. Živčák</i></p> <p><i>Overovanie individuálnych implantátov vyrobených technológiou dmls pomocou počítačovej tomografie</i> <i>T. Tóth, J. Živčák, R. Hudák</i></p>
12:15 – 13:15	Lunch
14:00	Slovak Technical Museum

Friday, November 28, 2014

9:00 – 10:30	Education in Biomedical technologies II <i>V. Medvec, D. Dragún</i> <i>3D virtual projection</i> <i>V. Medvec</i> <i>Videoarchives for Human Anatomy Dissections</i> <i>J. Majerník, V. Medvec</i> <i>Administration of HW and SW tools for education</i> <i>D. Dragún</i> <i>Testing techniques used in verification of students's knowledge</i> <i>M. Švida, S. Balčák</i>
10:30 – 10:45	Coffee break
10:45 – 12:15	Research in Biomedical technologies II <i>V. Levashenko, M. Kvassay</i> <i>Introduction to Knowledge Discovery in Medical Databases</i> <i>M. Kvassay</i> <i>Fuzzy Decision Trees in Medical Support System</i> <i>Vitaly Levashenko</i> <i>Construction of a System Model for Reliability Analysis based on Uncertain Data</i> <i>V. Levashenko, E. Zaitseva</i> <i>Human gait databases</i> <i>J. Majerník</i>
12:15 – 13:15	Lunch
14:00	Old Town Walk

Saturday, November 29, 2014	
9:00 – 10:30	<p>Education in Biomedical technologies III <i>J. Majerník, M. Švida</i></p> <p><i>Education of medicine with the support of virtual reality</i> <i>J. Majerník</i></p> <p><i>Možnosti využitia laserového skalpela v maxillofaciálnej chirurgii</i> <i>Ž. Majerníková, J. Majerník</i></p> <p><i>eHealth in education of medicine</i> <i>M. Švida</i></p> <p><i>Videlectures from Infectology</i> <i>J. Majerník, P. Jarčuška</i></p>
10:30 – 10:45	Coffee break
10:45 – 12:15	<p>Research in Biomedical technologies III <i>E. Zaitseva, R. Hudák</i></p> <p><i>Analýza defektoskopie materiálov pomocou metrotomografie</i> <i>D. Glittová, T. Tóth, J. Živčák</i></p> <p><i>Effect of unilateral vestibular deficiency on human locomotion</i> <i>J. Majerník, J. Živčák, T. Tóth, R. Hudák</i></p> <p><i>Visual observation of kinematical parameters in patients with vestibular diseases</i> <i>J. Majerník, M. Penhaker, J. Kubiček</i></p> <p><i>Biomechanika a stavba protéz dolných končatín</i> <i>M. Michalíková, A. Balogová, V. Rajtúková, L. Bednarčíková, J. Živčák</i></p>
12:15 – 13:15	<p>Closing ceremony <i>J. Majerník, T. Tóth</i></p>

