JOSIP JURAJ STROSSMAYER UNIVERSITY OF OSIJEK
FACULTY OF MEDICINE
FACULTY OF ECONOMICS
DEPARTMENT OF MATHEMATICS

ORGANIZE

I. SYMPOSIUM

BIOMEDICAL INFORMATICS

Symposium leader:
Ljiljana Trtica Majnarić, PhD, Assist. Prof.,
Vesna Ilakovac, PhD, Assoc. Prof.

Osijek, 21st February 2014.
Participants will be assessed according to the regulations of HLK chamber

Explanation of Symposium:

Computer science has the increasing use in human and Clinical Medicine (Biomedical Informatics), among other things this includes the application of multi-factorial computing methods and mathematical algorithms for data processing in clinical research, where the increasing importance is given to predictive modeling, rather than descriptive data analysis. Applying data mining methods and other algorithms for discovering hidden patterns in databases, health information, which is routinely collected in medical records, can be used to obtain new information about the disease and treatment.

The aim of this conference is to popularize biomedical informatics, with a focus on clinical medicine, among members of the academic community, teachers and researchers as well as graduate students of medicine. Another aim is expansion of basic knowledge of areas that includes bioinformatics, and information on the possible use of advanced computer algorithms to study in clinical medicine, as well as to gain new knowledge from medical records.

Information: EOQ QM Mišo Debeljak, B.B.A.
Mobile: 00385 91 224 1420; e-mail: mdebeljak@mefos.hr

ALL LECTURES WILL BE HELD IN ENGLISH AND CROATIAN LANGUAGE

PARTICIPANTS WILL RECEIVE A CERTIFICATE OF PRESENCE FROM FACULTY OF MEDICINE OSIJEK

Organizers:

J.J.Strossmayer University of Osijek, Faculty of Medicine Osijek, Faculty of Economics Osijek and Department of Mathematics Osijek

Symposium leader:

Ljiljana Trtica Majnarić, PhD,Doc., Faculty of Medicine Osijek

Vesna Ilakovac, PhD, Assoc. Prof., Faculty of Medicine Osijek

Lecturers:

1. Andreas Holzinger, PhD, Assoc.Prof, Faculty of Medicine Graz, Austria

2. Wasen Rolf, PhD, Sweden

3. Mirta Benšić, PhD, Assoc. Prof., Department of Mathematics, J.J.Strossmayer University of Osijek, Croatia

4. Šarlija Nataša, PhD, Full.Assoc. Prof., Faculty of Economics, J.J.Strossmayer University of Osijek, Croatia

5. Marijana Zekić-Sušac, PhD, Full.Assoc. Prof., Faculty of Economics, J.J.Strossmayer University of Osijek, Croatia

6. Vesna Ilakovac, PhD, Assoc. Prof., Faculty of Medicine, J.J.Strossmayer University of Osijek, Croatia

7. Ljiljana Trtica Majnarić, PhD, Assist.Prof., Faculty of Medicine, J.J.Strossmayer University of Osijek, Croatia

8. Josip Mesarić, PhD, Full.Assoc. Prof., ., Faculty of Economics, J.J.Strossmayer University of Osijek, Croatia

Technical Organizing Committee:

1. EOQ QM Mišo Debeljak, B.B.A., Faculty of Medicine, J.J.Strossmayer University of Osijek
2. Bojan Tovjanin, M.E.E., Faculty of Medicine, J.J.Strossmayer University of Osijek,
3. Andrija Ljubičić, oec, Faculty of Medicine, J.J.Strossmayer University of Osijek.

Applications must be received no later than 17th February 2014. on e-mail: mdebeljak@mefos.hr. Registration fee rate (only for registered until 17 March, the number of places is limited) is 200, 00 kn, on the day of the symposium fee is 250,00 kn (in the event that there are places available). The fee is paid to the account of the Medical Faculty in Osijek no. 2500009-1102014297 with reference number: 43-02-14 and marked "Symposium on Biomedical Informatics". On the day of the course please bring a copy of the payment slip as a proof of payment.

Time	Session	Person
09:00 - 10:00	**Registration**	
10:00 - 10:15	Welcome speech	**Aleksandar Včev** **Ljiljana Trtica Majnarić**
	Chairperson	**Ljiljana Trtica Majnarić** **Marijana Zekić Sušac**
10:15 - 11:15	A path through the history of systems science in biology and medicine: some important personalities and events from my point of view	**Wassen Rolf**
11:15 - 12:15	Challenges in knowledge discovery and interactive data mining from complex biomedical data (skype)	**Andreas Holzinger**
12:15 - 12:45	**Coffe break**	
	Chairperson	**Vesna Ilakovac** **Josip Mesarić**
12:45 – 13:15	Regression analysis – interpretations and fallacies	**Mirta Benšić**
13:15 - 13:45	Regression analysis in biomedical prediction	**Nataša Šarlija**
13:45 - 14:15	Neural networks in biomedical informatics	**Marijana Zekić Sušac**
14:15 - 14:45	**Coffe break**	
	Chairperson	**Nataša Šarlija** **Mirta Benšić**
14:45 - 15:15	Medical Informatics in Croatia	**Vesna Ilakovac**
15:15 - 15:45	Application of Biomedical Informatics – some personal examples	**Ljiljana Trtica Majnarić**
15:45 – 16:15	Expert systems in biomedicine and health care	**Josip Mesarić**
16:15 – 17:00	**Discussion**	