

First Symposium
**"Toward translational research in brain and heart studies:
Achievements and challenges in knowledge and technology transfer"**

February 18, 2008, Zagreb, Croatia

Organizers: Selma Supek, University of Zagreb, Faculty of Science
Ratko Magjarević, University of Zagreb, Faculty of Electrical Engineering and Computing

Supported by: Croatian Biophysical Society (CBS)
Croatian Medical and Biological Engineering Society (CROMBES)
Croatian Society for Neuroscience (CSN)

Sponsor: Croatian Ministry of Science, Education and Sport

Venue: Faculty of Electrical Engineering
Unska 3
10000 Zagreb
Congress Center, Gray Hall

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PROGRAM SCHEDULE

10: 00 – 10:15 **Welcome and introductory remarks**

Selma Supek, University of Zagreb, Faculty of Science, for the Organizers
Vedran Mornar, University of Zagreb, Faculty of Electrical Engineering and Computing, dean
Ivica Kostović, Croatian Society for Neuroscience, President
Stanko Tonković, Croatian Medical and Biological Engineering Society, President

10: 15 – 10:30 Jens Haueisen:

"The influence of forward model conductivities on EEG/MEG source reconstruction"

10:30 – 10:45 Selma Supek:

"Neurodynamic imaging in the assessment of sensory and cognitive functions in health and disease"

10:45 – 11: 00 Ivica Kostović

"Neuroimaging in developmental cortical disorders"

11: 00 – 11:30 Coffee Break

11:30 – 11:45 Hrvoje Hećimović:

"Clinical model of neural networks"

11:45 – 12:00 Dražen Domijan:

"How computational modeling might contribute to neuropsychology"

12:00 – 12:15 Rajka Liščić

"Transcranial magnetic stimulation of the brain: Future applications in basic and clinical neuroscience"

12:15 – 12:45 **Discussion**

12:45 – 14:00 Lunch

14: 00 – 14:15 Ratko Magjarević:

"Can we predict cardiac events? - Our experience on atrial fibrillation prediction after CABG"

14:15 – 14: 30 Jens Haueisen:

"Optimization of magnetic sensor systems for magnetocardiography"

14:30 – 14:45 Sven Lončarić

"An approach to aortic outflow velocity analysis"

14: 45 – 15:00 Coffee Break

15: 00 – 17:00 **Round table discussion**

Intellectual property system

Transfer of knowledge

Transfer of technology

Spin-off companies

Academia-industry/hospitals cooperation

Conflict of interest challenges

Jens Haueisen

TU Ilmenau

Sven Lončarić: *Technology Transfer Office of the University of Zagreb: An Overview of Activities*

University of Zagreb

Bojan Benko: *Simple strategy for facilitated protection and utilization of research results*

State Intellectual Property Office of the Republic of Croatia,

Nataša Maršić: *CARDS 2003 "Intellectual Property Rights Infrastructure for the Research and Development Sector in Croatia"*

Croatian Institute of Technology

Ivo Orlić: *Science and Technology Park of the University of Rijeka, STeP Ri*

University of Rijeka