

TEMPUS project "Assisting humans with special needs: Curriculum for Human-Tool interaction Network (HUTON)"

Workshop and 5-month review meeting of the

Agenda:

Venue	Faculty of Electrical Engineering, Ljubljana, Slovenia
Contact Person	Marko Munih e-mail: marko@robo.fe.uni-lj.si Janez Podobnik e-mail: janezp@robo.fe.uni-lj.si
Participants	<u>University of Belgrade</u> : A. Sedmak, A. Veg, E. Veg, H. Vlajković, S. Kirin, D. Popović <u>University of Novi Sad</u> : N. Jorgovanović, V. Ilić <u>State University of Novi Pazar</u> : L. Popović-Maneski, E. Doličanin <u>Clinic for rehabilitation "Dr M. Zotović", Belgrade</u> : Lj. Konstantinović <u>University of Ljubljana, Slovenia</u> : M. Munih, T. Bajd, J. Podobnik, M. Mihelj, R. Kamnik <u>URI "Soča", Ljubljana, Slovenia</u> : Z. Matjačić, H. Burger <u>University of Genoa, Italy</u> : V. Sanguineti <u>University of Patras, Greece</u> : N. Palikarakis, Z. Bliznakov

March 11, 2013

Venue	University rehabilitation Institute, Linhartova 51, 1000 Ljubljana, Slovenia (map http://www.ir-rs.si/en/About_the_Institute/)
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10:00	Prof. Helena Burger, Prof. Zlatko Matjačić: Welcome and presentation of the Institute room: »Vrtnica«, basement level
10:30	Presentation and demo of R&D achievements at URI-SOČA in the field of rehabilitation robotics (BT – Zlatko Matjačić and Andrej Krpič, E-go - Andrej Olenšek, UHD – Matjaž Zadavec, STS – Zlatko Matjačić and Matjaž Zadavec)
11:45	Presentation of walking training of selected patient with the robot LOKOMAT – Pavla Obreza and Zlatko Matjačić

12:15	Presentation of R&D in the field of telerehabilitation and IRIS Smart Home – ImreCikajlo
13:00	<i>Lunch at URI Soča</i> Lecture DejanPopović
Venue	Faculty of Electrical engineering, Ul. Tržaška 25 , 1000 Ljubljana, Slovenia (map http://www.robolab.si/how-to-find-us/) Multimedia Room (map http://robo.fe.uni-lj.si/~marko/How-To-Multimedia_ULFE.gif)
15:00	Welcome by the host Prof. Marko Munih
15:15	Prof. AleksandarSedmak, project coordinator: The project status at month 5
15:45	Prof. Nikola Jorgovanović: WP1 - Network development / progress
16:05	<i>Coffee break</i>
16:20	Prof. Aleksandar Veg: WP2 - Curriculum development / progress
17:00	Ass. prof. Lana PopovićManeski: WP3 - Lab development / progress
17:30	EOB
19:00	Dinner Pri Žabarju (map: http://www.prizabarju.si/)

March 12, 2013

Venue

Faculty of Electrical engineering, UL,
Tržaška 25, 1000 Ljubljana, Slovenia
(map <http://www.robolab.si/how-to-find-us/>)
Multimedia Room
(map http://robo.fe.uni-lj.si/~marko/How-To-Multimedia_ULFE.gif)

Workshop: European Research on Use of Robots in Rehabilitation - Projects in which HUTON partners participated Organizers: Profs. Vittorio Sanguineti, Marko Munih and Dejan Popović	
8:55	Prof. Dejan Popović, Belgrade, SER - Opening remarks
9:00	Prof. Marko Munih, Prof. Matjaž Mihelj, Ljubljana, SI - The upper extremity rehabilitation - results from the MIMICS project
9:40	Prof. Vittorio Sanguineti, Genoa, I - The development of robots for the rehabilitation of upper extremities - results from the HUMOUR project
10:20	<i>Coffee break</i>
10:30	Prof. Dejan Popović - Development of the hybrid platform (haptic robot + electrical stimulation + VR) for rehabilitation of upper extremities - results from the InRES project
11:10	PANEL: "Where to go", Chairs: Munih, Sanguineti, Popović
11:30	Presentation of the organization of master programs at FE, Ljubljana Prof. Igor Papič, vicedean: General overview Prof. Tomaž Jarm: Biomedical Engineering Prof. Marko Munih: Robotics Prof. Matjaž Mihelj: Human-robot interaction Prof. Roman Kamnik: Biomechanics
13:00	<i>Lunch at the FE, Ljubljana</i>
14:30	Continuation of the HUTON workshop: Comments from the EU partners (Profs. V. Sanguineti, N. Palikarakis, M. Munih)
15:50	Final discussion Decisions about the activities during the next 7 months and decision about the place and time for the meeting at the end of Year one of the HUTON project (October 2013).
16:00	Visit to labs
18:00	EOB

Realization: **Workshop followed in all detail the agenda**

Decisions reached at the meeting:

1. Budget cuts by the Commission of the project HUTON require the changes in the distribution of the investments for the equipment. The laboratory instrumentation that is to be used directly in the curriculum will be covered with € 61,500. The networking and computing part of the project will use € 52,565. The distribution of the funds in each of the two aspects will follow the percentile distribution detailed in the Technical Annex of the Agreement.

2. The local management board will make a detailed plan related to the participation of all three EC partners in the WP2 and WP3. This plan will be discussed during the April of 2013, and then followed in a manner that some joint courses can be developed and to optimize the application for the equipment by the clinical partners.

3. The presentations of the WP1, WP2 and WP3, presented by Nikola Jorgovanović (Novi Sad), Aleksandar Veg (Belgrade) and Lana Popović Maneski (Novi Pazar) are accepted as the platform for the development of the network center, curriculum, and curriculum laboratories.

In addition, the decision was reached to consider as elective courses in the HUTON curriculum some running courses at EC partner institutions. This option can be implemented as e-learning or condensed course in Serbia.

The final discussion covered the activities during the next 7 months and decision about the place and time for the next meeting of the HUTON project. It was agreed that the next meeting will be held in Patra between 20th and 30th of June. It is also agreed that Aleksandar Veg will work on curricula, Lana Popović Maneski will define equipment for these curricula and Aleksandar Sedmak will coordinate it.

In addition it is agreed that any development in lab and curricula should be sent to our EU partners for comments.