



Minutes of the Workshops, Patras, Greece

Tempus project: "Assisting humans with special needs: Curriculum for HU-man-Tool interaction Network (HUTON)"

19.-23.06.2013., Patras, GREECE

Presence list:

- 1. Vittorio Sanguineti, University of Genoa, Italy**
- 2. Marko Munih, University of Ljubljana, Slovenia**
- 3. Nicolas Pallikarakis, University of Patras, Greece**
- 4. Dejan Popović, University of Belgrade, Serbia**
- 5. Borislav Borovac, University of Novi Sad, Serbia**
- 6. Miladin Kostić, SUNP, Serbia**
- 7. Aleksandar Sedmak, University of Belgrade (Coordinator), Belgrade, Serbia**
- 8. Vladimir Simeunović, University of Belgrade, Serbia**
- 9. Aleksandar Veg, University of Belgrade, Serbia**
- 10. Dejan Popovic, University of Belgrade, Serbia**
- 11. Emil Veg, University of Belgrade, Serbia**
- 12. Mladen Regodić, University of Belgrade, Serbia**
- 13. Ilija Ilić, University of Novi Sad, Serbia**
- 14. Nikola Popov, University of Novi Sad, Serbia**
- 15. Edin Dolićanin, SUNP, Serbia**
- 16. Andjelka Pjanović, Clinic for rehabilitation "Dr Miroslav Zotović", Belgrade, Serbia**
- 17. Saida Biševac, Special clinics for rehabilitation, Novi Pazar, Serbia**
- 18. Sonja Radetinac, Special clinics for rehabilitation, Novi Pazar, Serbia**
- 19. Snežana Kirin, University of Belgrade, Serbia**
- 20. Jasmina Milenković, University of Belgrade, Serbia**

1. Welcome Address: *Nicolas Pallikarakis*

2. Overview of project achievements: *Dejan Popovic, UB*

The most important issues are:

- Web communication, portal and network resources
- Laboratory space and equipment
- Students enrollment for joint curricula
- Capability to manage the projektom (cooperation with Tempus office in Serbia and Brussels)

Main risks are: equipment purchase, administrative delays and accreditation.

3. WP1 - Network development / progress

Vladimir Simeunović, UB, Institute "Mihajlo Pupin"

Done in the scope of WP1: Network structure development and Review of the existing lab, IT hardware and software;

Activity Demo Center should be open before 15/10/2013.

4. WP2 - Curriculum development / progress

Aleksandar Veg, UB, Faculty of Mechanical Engineering

Review of all existing courses in European Universities:

University of Ljubljana – 3 programs (biomedicine, robotics and mechatronics)

University of Genoa – 4 semesters biomedical engineering

University of Patrasu – 4 semesters biomedical engineering

University of Novom Sadu – 4 semesters mechatronics

University of Beogradu – 4 semesters (Electro & Mech Engng) - biomedical engineering.

Three different programmes will be accredited (UBG, UNS and DUNP), as the new ones or with the same, but redesigned curricula.

5. WP3 - Lab development / progress

All necessary preparations for tender procurement are done.

After presentation of these three WP, representatives from Italy, Greece and Slovenia have made their suggestions on the M.Sc. course, discussing an option to have two instead of one course. The main concern was if one M.Sc. course can provide common knowledge and skills for two different student profiles (engineering and medicine), and how to integrate different informations into one course.

Prof. Popović argued that for two courses also two accreditations would be needed. Having also in mind that main goal is to get university multidisciplinary program, he suggested that one accreditation should be submitted, as soon as possible.

6. N. Palikarakis: Presentation of Educational and Research activities of BITU (Biomedical Technology Unit). Afterwards, doctoral students from University of Patras have presented their scientific achievements and planned activities.

7. The project status at month 9: *Aleksandar Sedmak, Project Coordinator*

Quality control and Management going on as scheduled. Dissemination of the project results:

- HUTON leaflet to be printed soon
- Info day planned for end of September
- Media promotion mid October

Sustainability of the project is enabled by standard activities and by topic itself, having in mind its exceptional attractiveness. Namely, all three Serbian Universities already have similar courses or they plan it in near future:

- UBG – existing studies in biomedical engineering
- UNS – existing studies in biomedical engineering
- DUNP – existing studies in rehabilitation, biomedical engineering planned soon.

Problem with Rehabilitation Clinics in Novi Sad still has not been solved. Prof. Sedmak should try once again to contact Prof. Grebeldinger, the clinics director.

Prof. Popović suggested to integrate HUTON project into COST action (Robotics and Rehabilitation, coordinator G. Britain), with an aim to create European M.Sc. program.

8. WORKSHOP on Robotics in Rehabilitation has been organized according to the Agenda.

MAIN CONCLUSIONS:

1. Deadline to solve the problem with Rehabilitation Clinics in Novi Sad is 15/09/2013.
2. One program should be made and one accreditation submitted.
3. Info day planned for end of September and media promotion mid October
4. Next meeting on this level to be held in 2014 in Genoa (end of May / beginning of June)