



WT2.15.: University of Turin, Turin, Italy (UTUR)

Report

Activities performed during the visit

in University of Turin, ITALY (UTUR)

period: 15.11.2014 - 21.11.2014

authors: Halina Kwaśnicka, Mariusz Paradowski



Personal Information

Mr./Ms. Halina Kwaśnicka and Mariusz Paradowski, faculty members of Wrocław University of Technology, Poland visited

(name of sending institution, country)

in the period from 15.11.2014 to 21.11.2014 in University of Turin, Department Computer Science (Dipartimento di Informatica), Turin, Italy (UTUR)

(name of the visited institution, country)

order to carry out research and training activities in the field of video and audio analysis and machine learning.

(give the area)

Information about Seminars

The seminar presentation was organized 17-11-2014

the date

It was entitled:

Automated Monitoring of Elderly People: early ideas



Description of scientific activities

(Please describe value added to the ENGINE project i.e. new knowledge, new skills with respect to the objectives of the project, the assigned common area of future cooperation with the partner, plans for common research, projects, publications and how it could be used in the scope of ENGINE)

The main goal of the visit was to present the idea of a research project on “Automated Monitoring of Elderly People”. According to earlier discussion by emails, Wrocław University of Technology and University of Turin plan to submit the proposal within the Horizon 2020 framework, dedicated to the above subject. The second goal was to look for new opportunities of research collaboration teams from both universities: University of Turin and WRUT.

The following activities have been made to address the first goal:

- A seminar “Automated Monitoring of Elderly People: early ideas” about the project proposal was given (given by dr Mariusz Paradowski). Acceptance of the main course of the presented proposal was the base for the further cooperation, so this seminar was the first event during our staying in UTUR, it started at 10:00 a.m. of 17.10.2014.
- Horizon 2020 open calls have been reviewed, an appropriate call has been found, requirements have been discussed. The chosen call is: Personalising health and care (code: H2020-PHC-2015-single-stage), Topic: Advancing active and healthy ageing with ICT: Early risk detection and intervention (code: PHC-21-2015). Different calls were discussed jointly by the team, and the most suitable for the proposed subject was selected. We did it on 17.10.2014 afternoon.
- A Skype seminar about prevention of elderly people falls have been attended (team from UTUR, Halina Kwaśnicka, Mariusz Paradowski), given by a third possible partner (Jérôme Azé, Le Laboratoire d'Informatique, de Robotique et de Microélectronique de Montpellier - LIRMM) for the Horizon 2020 call. Due to key differences in the final goal of both project ideas the possible partner has not been included in further talks (joint decision of prof. Halina Kwaśnicka and prof. Francesco Bergadano, after the wide analysis and discussion).
- Seeking for a viable third research partner for Horizon 2020 call (three partners are required from different member states). The number of possible



researchers/institutions were considered and we agreed that firstly we will invite universities from the ENGINE team.

- Several variants of technological (hardware) details have been discussed (discussion with prof. Marco Grangetto and several other staff members).
- Initial list of work packages (WPs) has been proposed (joint work of: prof. Francesco Bergadano, prof. Halina Kwaśnicka, prof. Rosa Meo, dr Ruggero G. Pensa (assistant professor), dr Mariusz Paradowski (assistant professor)).
- The strategy for further work on the proposal was established during the final, summarizing meeting on 19.10.2014. at 17:30-19:00.

The following activities have been made to address the second goal:

- Short seminar on current research activities within visitors research group (given by prof. Halina Kwaśnicka).
- Short presentation of VISIBLE framework demonstration platform (a result of former joint Polish-Singapore research project) with focus on possible applications (<http://www.visible.i.pwr.wroc.pl/>), given by dr Mariusz Paradowski.
- Attendance at a short presentation of “GeoSPARQL - A Geographic Query Language for RDF Data” project given by prof. Rosa Meo.
- Discussion of research interests shared by both partners (prof. Rosa Meo, dr Ruggero G. Pensa, prof. Halina Kwaśnicka, dr Mariusz Paradowski).
- Choosing a prominent one for both partners - *hierarchical grouping of data* (prof. Rosa Meo, prof. Halina Kwaśnicka).
- Detailed studying and technical discussion of recent methods proposed by both partners (prof. Rosa Meo, prof. Halina Kwaśnicka, dr Ruggero G. Pensa, dr Mariusz Paradowski).

Discussion of possible joint activities for research and publication: hierarchical grouping of data for data reduction in image retrieval engines. Data exchange for joint research planned before end of November 2014.

Information referring to the intellectual property

(the generally binding law in this area in the visited country and procedures of patenting);

Issues regarding to intellectual property have been discussed with prof. Francesco Bergadano. Local rules and regulations have been studied and are given as an



attachment: Ufficio_Brevetti_ENG_2013.pdf - a presentation realized by the patents' office that covers patenting and spin-offs (knowledge transfer) in UTOR)).

According to the discussion with prof. F. Bergadano, Intellectual Property Office at the University of Torino is responsible for the patenting process. Patents are usually held at the department levels, departments are the funding body. Consultants of Intellectual Property Office are delegated to help during patent preparation. Patent income is shared both by the Department and the researcher. If a patent generates income an appropriate procedure of money sharing is applied. Patents are often made to gain prestige, not to directly generate income.

Description of the cooperation between universities and industry

(how it is organized in partner's organization, the sources of funding, the opinions about drawbacks and strengths of existing solution).

Issues regarding to cooperation between industry and University of Torino have been discussed with prof. Francesco Bergadano.

Research and development projects funded by private third parties (called Third Party Research):

- Research and development is funded directly by the third party.
- Development part is usually larger than research part, focus on the final product.
- University takes less than 20% of the funded money (between 15-20%),
- Unspent or saved money may be spent for salaries and further research. They are not lost in any way.
- There is a high flexibility in spending money. Money can be easily transferred between categories of expenditure.
- Professor salaries (both teaching and research project) are paid from the University budget. Funded money are used as a reimbursement to cover research project work cost. Remaining money can be spend after the project end (so called “autofinanced” money).
- Autofinanced money are used to finance further research.
- There is no official deadline, but the autofinanced money should be spent as soon as possible, due to the possibility of spending the money for other needs.

Spin-off companies and company incubator:

- University of Torino may be either a partner or not.



- The decision is made after an examination of spin-off proposal (mission, business plan). The examination is a very formalized process.
- Usually, the university own 5% of the spin-off company, resulting in a 5% yearly dividend for the University.
- Spin-off company is usually founded by professors or researchers.
- Incubator web page address: www.2i3t.it (Business Incubator and Technology Transfer process at the Università degli Studi di Torino)

Other types of cooperation and advertisement:

- Regular meeting with companies once a year.
- This year (November 2014) the meeting (called “open days”) has a form of poster session with discussion.
- Carrier days for students.
- Seminars organized by company representatives for students.

Other activities

An organizational goal was to introduce formal cooperation between Wrocław University of Technology and University of Turin under the Erasmus+ program. ERASMUS+ agreement in the field ICT has been established with the department representative (dr Ruggero G. Pensa). An appropriate documents have been delivered to Wrocław University of Technology counterpart.

REMARK: Apart from this information also a program of the visit and the presentation in electronic version should be given to the project office (please send all of them to Urszula.Markowska-Kaczmar@pwr.wroc.pl). Please respond to the points 1-5 for outgoing visit and points 1-3 for incoming visit. Point 6 is for extra activities that are not put in points 1-5.

