

WT2.6: European Centre for Soft Computing Report

Activities performed during the visit

in Wrocław, Poland

period: 20.09.2014 - 05.10.2014

author: Tomasz Kajdanowicz



Personal Information

Ms. Patricia Conde Clemente, member of European Centre for Soft Computing, Spain visited Wrocław University of Technology, Poland in the period from 20.09.2014 to 28.09.2014 in order to carry out research and training activities in the field of Machine Learning for Social Media Analysis.

Information about Seminars

The seminar presentation was organized on 22.09.2014

It was entitled: Linguistic Descriptions in Complex Phenomena

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)

New knowledge:

Ms. Conde Clemente has presented her work on "Linguistic Description of Complex Phenomena". It collects and interprets data coming from complex phenomena, yielding reports in natural language which are easy to understand even by non-expert users. As it was explained the aim of the generated reports is to include only relevant information that is expected by the audience. Current development of such new approach and novel technology is a multi-disciplinary research and it was nice to hear the success story of such development.

New skills:

Thanks to Ms. Conde Clemente visit Engine Center's team had a chance to familiarize with specialized skills in natural language processing (finding the set of expressions most commonly used in order to describe the most relevant aspects of the phenomenon under consideration), Granular Linguistic Models (computational structure which organizes all related perceptions in a similar way how human beings usually organize their experience by means of natural language) and summarization.

Common area of future cooperation:

It was not decided how to consume the overlap in the research expertise. Further actions required to establish the research basis of collaboration.

Plans for common research:

It has been agreed that the collaboration will be continued. Ms. Conde Clemente considers the opportunity to carry out part of her doctoral program in Wrocław.

Plans for joint projects:

Not decided yet.

Plans for collaboration in publications preparation:

Not established yet.

Information referring to the intellectual property

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

Not addressed.

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).

During the presentation MS Conde Clemente introduced several application of developed content that have been undertaken in collaboration with industry. European Center for Soft Computing has developed several research prototypes which are likely to become commercial products:

- Walking Quality
- Rehabilitation
- Bus Service Quality
- Human Activity Recognition
- Assessment of Learning with Simulators
- inProfilePhoto
- Energy Efficiency
- Analysis of Astronomical Data
- Traffic Monitoring

Other activities

Ms. Conde Clemente has additionally (main activity during the visit) participated in the training Workshop on Advances in Machine Learning for Social Media Analysis taken in Wrocław on 23-27.09.2014 (Task 3.5 in Engine project).

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.