



WT2.6: European Centre for Soft Computing Report

Activities performed during the visit

in Wrocław, Poland

period: 17.10.2015 - 01.11.2015

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Personal Information

Mr. **David Perez**, member of **European Centre for Soft Computing, Spain** visited **Wrocław University of Technology, Poland** in the period from **17.10.2015 to 01.11.2015** in order to carry out research and training activities in the field of **Fuzzy Inference for Social Media Analysis**.

Information about Seminars

The seminar presentation was organized on **19.10.2015**

It was entitled:

Using SNA techniques in soft computing projects (19.10.2015)

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:

Mr. Perez has presented work on Fingrams - Fuzzy Inference-grams. They show graphically the interaction between rules at the inference level in terms of co-fired rules, i.e., rules fired at the same time by a given input. The analysis of fingrams offers many possibilities: measuring the comprehensibility of fuzzy systems, detecting redundancies and/or inconsistencies among fuzzy rules, identifying the most significant rules, etc.

New skills:

Thanks to Mr. Perez's visit Engine Center's team had a chance to familiarize with specialized skills Fuzzy Inference.

Common area of future cooperation:

It has been agreed that further collaboration within the project will be concentrated on:

- diffusion processes in complex networks
- classification in networks
- social network analysis and social media analysis

Plans for common research:

It has been agreed that the collaboration will be continued to achieve advanced scientific results able to be published.

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).

Not addressed.

Other activities

None

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.

