



WT2.6: European Centre for Soft Computing Report

Activities performed during the visit

in Wrocław, Poland

period: 20.09.2014 - 05.10.2014

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Personal Information

Mr. Dr Krzysztof Trawiński, member of **European Centre for Soft Computing, Spain** visited **Wrocław University of Technology, Poland** in the period from **20.09.2014** to **05.10.2014** 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** and **02.10.2014**

It was entitled:

1. Presentation on European Centre for Soft Computing (22.09.2014)
2. Design of Fuzzy Rule-based Ensembles using FURIA, Diversity Induction and Evolutionary Algorithms (02.10.2014)

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:

Dr Trawiński has presented state-of-the art work on classifier ensemble methods, combination methods, classifier fusion and classifier selection, fuzzy rule-based classification ensembles. The seminars allowed to get to know in depth the issues related to the domain and provide a new perspective on the recently carried out research at Wrocław University of Technology.

New skills:

Thanks to Dr. Trawiński's visit Engine Center's team had a chance to familiarize with specialized skills (generally mathematical foundations) required to conduct research on the fuzzy classifier ensembles. Additionally the participants were introduced to Fuzzy Unordered Rule Induction Algorithm, Random Oracles and Evolutionary Multiobjective Classifier Selection methods.

Common area of future cooperation:

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

- classifier ensembles
- 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);

During the presentation on European Centre for Soft Computing (22.09.2014) Dr Trawiński has introduced the intellectual property regulations at European Centre for Soft Computing.

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 on European Centre for Soft Computing (22.09.2014) Dr Trawiński has introduced the policy of industry relations at European Centre for Soft Computing.

Other activities

Dr Trawiński 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.