



WT2.18c: *University of Birmingham, UK (UBi)*

Report

Activities performed during the visit

in Wrocław

period: 13.10.2015 - 16.10.2015

author: Michał Woźniak



Personal Information

Prof. Xin Yao., University of Birmingham (UK) visited Wrocław University of Technology, Department of Systems and Computer Networks in the period from 13-10-2015 to 16-10-2015 in order to carry out research and training activities in the fields of ensemble learning and data stream classification.

Information about Seminars

Prof. Xin Yao had the Ensemble Approaches to Class Imbalance Learning (plenary talk during the International Conference on Intelligent Data Engineering and Automated Learning (co-organized by ENGINE))

Description of scientific activities

Additionally Prof. Yao met with the members of the Machine Learning Group headed by Prof. Michał Woźniak. The main topic of the discussions was focusing on the presentation of the research topics of each team, students activities, potential fields of common scientific research. Additionally we discussed about possibility of the organization of common scientific events as special session during IEEE SSCI or WCCI.

During organized brainstorm meetings, we discussed the possibility of common research. The team from UBi and WrUT agreed that they will start the common work on and active learning applied to data stream classification, adapting online bagging approach to imbalance data task, where the local imbalance distribution will be taken into consideration. Additionally, Prof. Woźniak reported the progress of the work on the survey Data stream analysis (being written together with Dr. Minku - coworker of Prof. Yao).

The main outcomes of the visit are as follows:

1. We agreed that Prof. in Yao will try visit Wrocław again before the September 2016.
2. Prof. Yao had the plenary talk during the event organized by ENGINE.
3. The research topic on active learning an online imbalance data classification was establish and discussed.

Information referring to the intellectual property

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

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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).

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Other activities

Additionally, we were discussing about the program of Prof. Wozniak and one of his collaborator in Birmingham in 2016.

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.

