

# WT2.8: *University of Salamanca, Spain*

## Report

Activities performed during the visit

in Salamanca

period: 6/2/2016–21/2/2016

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### Personal Information

Mr. Paweł Ksieniewicz, Wrocław University of Technology (Poland) visited Faculty of Sciences Computers and Automation Department, University of Salamanca in the period from 6/2/2016 to 21/2/2016 in order to carry out research and training activities in the fields of multidimensional data analysis and classification.

### Information about Seminars

Mr. Paweł Ksieniewicz presented the seminar on “*Multidimensional data representation*”, which was focused on trust-conscious data projection, used for classification task.

## Description of scientific activities

Additionally, Mr. Ksieniewicz met with the research group led by Prof. Corchado. 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.

During organized brainstorm meetings, we discussed the possibility of common research which could be extension of the mentioned above project.

The main outcomes of the visit are as follows:

1. Organizing scientific conference HAIS 2016 and the SOCO conference, where prof. Wozniak will have a plenary talk.
2. The progress of the common research was discussed.
3. The new research topic on multidimensional data analysis was establish and discussed.
4. The new experimental software to provide results of new analysis method was build and discussed.

## Information referring to the intellectual property

Year 2014 bring some reforms in Spanish Patent Law, from 1986. Aim was to reconcile the regulation with the international framework, to strengthen national patent system and to optimize procedures to make it faster to obtain patent titles in Spain. The reason of change was fact, that until the changes, more than 90% of patents in this country was registered in European Patent Office and Patent Cooperation Treaty. Despite the efforts, the most popular way to register a patent in Spain is still european or other international patent, which have the same procedure in Poland.

## Description of the cooperation between universities and industry

According to official statistics, Spanish firms are mainly characterized by innovating in products and processes, but generally have a small number of staff assigned to R&D, except large firms with over 500 workers. The main source of cooperators are suppliers and firms in the group. Collaboration with universities is quite low, which can be a result of the little awareness about the possibilities offered by the research groups in universities.

There are five main funding sources:

- government agencies
- higher education
- companies

- not-for-profit private institutions
- from abroad (contributions from outside Spain and which are normally led by European programmes).

The percentage of funding coming from abroad is less than 10% in overall. Contributions from companies and government agencies are in comparable 45%.

## Other activities

Additionally, we were discussing about the program of Prof. Wozniak visit in Salamanca this year.

**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.