



# WT2.1: King's College London

## Leader Piotr Bródka

### Report

Activities performed during the visit

in King's College London

period: 21.09.2015 -27.09.2015

author: Bogumiła Hnatkowska



## Personal Information

Mr./Ms. Bogumiła Hnatkowska, faculty member of Wrocław University of Technology, Poland, visited King's College London, Great Britain, in the period from 21.09.2015 to 27.09.2015 in order to carry out research and training activities in the field of software engineering (model transformations and requirement engineering).

## Information about Seminars

The seminar presentation was organized on 22.09.2015, 11:00.

It was entitled:

Business rules - what they are and how they could be processed within software development process

## 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 and new skills:

K. Lano gave a short presentation of UML-RSDS tool (developed in KCL). This tool enables application of UML2 and OCL for software specification. Such specification is the only input for rapid software generation. The tool can be used not only for typical model transformations (defined as a mapping between meta-models) but also as an attempt to problem solving, e.g. Sudoku solver. It is available for free. Can be used in educational process and research.

### Common area of future cooperation:

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

1. Requirement engineering process for model transformations
2. Testing of model transformations

### Plans for common research, projects, publications

1. Initial works on the paper Requirements Engineering for Model Transformations (to be submitted for ICMT 2016)
2. Dr Kevin Lano initially agreed to be a Keynote speaker at KKIO 2016 conference (Wrocław, Poland)



## Information referring to the intellectual property

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

The basic procedures of patenting are shortly described in “King’s how-to guides”

(available at

<http://www.kcl.ac.uk/innovation/business/support/how/inventors/Inventorsguide-Patentsandotherlegalprotection.pdf>)

One of the problems with patenting is that the cost of a patent must be covered by the Department of Informatics, and this is one of reasons, why they are not strongly interested in it.

Most of the patent applications submitted by KCL are connected with medicine.

## 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).

There are 5 main sources of projects funding in the area of Informatics: 1) UK Charities (about 70%); 2) European Commission & EU Government (about 16%), 3) Research Councils (about 10%); 4) UK Government & Local, Health & Hospital Authorities (about 2,5%) 5) Industry UK and Overseas (less than 1%).

As it is easily to note the share of industry is very low. The main problem is that industry expects a working solution ready for implementation, not just research.

Moreover, many projects are somehow connected to medicine, e.g. A computer-guided imaging system for prenatal screening and comprehensive diagnosis of fetal abnormalities or Software to apply the Equality Act2010 to people with mental illness.

## 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.