THESIS PROPOSAL – 30 CREDITS

Finding Talents in Patent Portfolios

Background

Companies are always interested in finding experts in certain technology areas or for work on a certain project that requires special competence. They either use recruiting agencies or announce it in newspapers or on Linkedin etc.

In many cases they can identify from patent literature a person with the right competence and work experience to the one that they are looking for, but this person could be living in another country or unwilling to change employment or not working or living etc. It is therefore interesting to find other persons with similar qualifications based on their published patents.

Project description

The goal of this project is to identify persons with similar talents as a given inventor by

- analysing the reference inventor profile (keywords, technical fields etc.) using the content of the patents owned by the inventor (text, classification etc.)

- taking into account user needs to specify age range and geographic location of the new talent

- searching in the patent data base using keywords, classes, dates, countries etc. and ranking the identified inventors to propose a short list of candidates.

Customer

IamIP Sverige AB, Stockholm

Contact at NLPLAB

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Student profile

Knowledge about natural language processing (via courses such as TDDE09) and/or text mining (via courses such as TDDE16, 732A92).