Database description using natural language

Doctoral School: Doctoral School of Computer Science
Institute: University of Szeged
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Topic Description:
Year after year, the amount of the data significantly increasing. The usage of the stored data is minimal. Over 95% of generated data is read by no one. If we wish to reverse this tendency we have to change our communication method with the databases.

The aim of this project is to have a natural language description of the database. From the measured data we generate sentences as we do with daily weather forecast.

Task to be valued:
1. Studying continuous-valued logic
2. Determining the structures of continuous valued operator (like Lukasiewicz, Frank, Dombi, etc.)
3. Studying unary operators.
4. Context dependent clustering
5. Development of neutral language query systems.

Admissible number of students: 1
Deadline for applications: 2016-09-30

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