Supplementary and explanatory information for the entrance exam to the Applied Informatics PhD study programme

By Prof. V. Svátek, AI PhD program Guarantor, October 2020

Citing from „Information on the Procedure of Admission to Studies in the Doctoral Degree Programmes at the Prague University of Economics and Business" (for programme entrance starting 2021):

Requirement: For the programme **Applied Informatics**: a research project proposal, with length approx. 5 pages in English which conforms to the following structure:

- definition of the field,
- topical theoretical and practical questions related to the chosen field, with the reference to literature (see the next point)
- a list of the relevant literature, including a list of institutions and researchers working in the chosen field if needed,
- the applicant's own skills in the field (Master´s thesis, publications, practice),
- definition of the thesis´ objectives,
- a concept of methods used in achieving the objectives.

It is necessary to gain a supervisor´s **approval of supervision**.

Supplementary and explanatory information:

The **supervisor** usually attends the entrance interview. S/he does not get directly involved in the interview, but may respond to the committee's enquiries, e.g., regarding the inclusion of the doctoral student into the supervisor's research projects.

It is necessary to outline the nature of the **research contribution** of the future thesis (e.g., new method, methodology, theory, framework, algorithm, software implementation, data/ontology model, or the like) as well as the approach planned to be used for its **evaluation**.

As regards the list of relevant **literature**, it is advisable that the candidate would refer (and be able to discuss in the interview) not only to books, standards and corporate literature but also to recent **scholarly** literature: articles in relevant international journals and/or conference papers. For a small selection of most relevant scientific works the candidate should exhibit a deeper understanding of their content and also be able to explain their relationship to his/her dissertation project.