Enclosure 5

University *of Ljubljana*
Faculty *of Computer and*
Information Science

Prof. First and Last Name, PhD, UL, FRI
Prof. First and Last Name, PhD, UL, FRI
Prof. First and Last Name, PhD, Institution (field of habilitation)

Committee for Research and Doctoral Studies
University of Ljubljana, Faculty of Computer and Information Science
Večna pot 113, 1000 Ljubljana

REPORT ON THE SUITABILITY OF THE DOCTORAL THESIS TOPIC

Candidate: First and Last Name
Title: Doctoral thesis title

The sections below are provided in the case the Committee for Doctoral Thesis establishes that the proposed topic is appropriate and suitably presented. If this is not the case and the committee decides to reject the topic proposal, the report should only consist of the Decision to reject the topic and an adequate explanation for the decision.

1 A short presentation of the problems researched

Briefly describe the specialised research area the candidate is working on, with an emphasis on the problems the candidate intends to address in his/her dissertation (max. 200 words).

2 A rating of the extent of research already conducted in the specialised field

Rate the extent of research already conducted in this specialised field and include a critical comparative analysis of the related publications. Three to five key publications on the proposed topic should be explicitly indicated in the list below. Summarize the positive and negative aspects of the works related to the proposed research work (max. 200 words).

Literature

[1] C. G. Timpson, “The Applicability of Shannon Information in Quantum Mechanics and Zeilinger’s
Foundational Principle,” Philosophy of Science, vol. 70, no. 5, pp. 1233–1244, 2003.
[2] G. Adomavicius and A. Tuzhilin, “Toward the next generation of recommender systems: a survey of
the state-of-the-art and possible extensions,” IEEE Transactions on Knowledge and Data Engineering,
vol. 17, no. 6, pp. 734-749, 2005.
[3] D. Tikk, “Scalable Collaborative Filtering Approaches for Large Recommender Systems,” Journal of
Machine Learning Research, vol. 10, pp. 623-656, 2009.
[4] M. Muharram and G. D. Smith, “Evolutionary constructive induction,” IEEE Transactions on
Knowledge and Data Engineering, vol. 17, no. 11, pp. 1518-1528, 2005.

[5] R. Salakhutdinov and A. Mnih, “Probabilistic Matrix Factorization,” Learning, vol. 20, no. 1, pp.
1-8, 2007.

3 Contributions to Science

Identify your opinions of the expected contributions to science which the candidate has stated in his/her proposed dissertation topic. Please indicate up to three most important contributions, each of which is separately assessed in terms of originality, feasibility, possibility of evaluation, possibility for independent contribution to science and the persuasive quality of its argument. You can also suggest a more impropriate formulation of more than one contribution into one sole contribution (max. 400 words).

Please note that the below listed contributions do **not** qualify as contributions to science:
• Implementation of known methods;
• Solving a practical problem with known methods;
• The programme used by the candidate to implement the suggested methods (it is only a device with which the candidate will demonstrate the feasibility and practicality of the proposed method);
• Evaluation of the proposed methods and approaches.
Interdisciplinary PhD students are expected to have most of the contributions to science from the field of computer and information science.

4 Evaluation of the written proposal of the doctoral thesis topic

Briefly, in one paragraph describe the suitability of the candidate's written proposal of the doctoral thesis topic. Evaluate whether it includes all required elements (according to the Rules and Regulations of UL FRI) and whether they are presented in an appropriate manner.

5 Doctoral thesis defence

Briefly describe and assess the quality of the candidate's presentation and their sovereignty in answering questions. Write down two main questions from each member of the Committee, the opinions they expressed and the dilemmas they exposed, their comments and suggestions as well as the candidate's answers. (max. 400 words) In case you have decided to change the title, write down the new title and the candidate's opinion.

6 Mentor's (and co-mentor's) bibliography

Give a proposal for the mentor and, if applicable the co-mentor, for the candidate. For the mentor (and separately for the co-mentor) provide three to five most important publications in the same field as the doctoral thesis topic, the researcher's ID number and the number of points collected according to the SICRIS methodology for the last five years. According to the Rules of the Doctoral Studies at UL the supervisor and the co-supervisor must have at least three suitable publications in the research field of the proposed topic in the journals indexed by SCI. In the last five years they must have compiled at least 100 points according to SICRIS. A supervisor can have no more than 5 PhD students enrolled in the doctoral programme who regularly progress through it.

In the case of the appointment of a co-mentor an appropriate justification must follow here. A co-mentor may be appointed only if the doctoral thesis topic is interdisciplinary or, in accordance with the Rules on the post-reform doctoral study programme at the Faculty of Computer and Information Science, if the appointed co-mentor is from a different institution.
(max. 50 words)

7 Decision

Provide an overall evaluation of the topic's suitability and the possibilities for independent and original contributions to science (max. 50 words).

Committee for Doctoral Thesis:
Prof. First and Last name, PhD (president)
Prof. First and Last name, PhD
Prof. First and Last name, PhD

Ljubljana, _____