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The Screening Phase in Systematic Reviews: Can we speed up the process?

Predavač:
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Mesto i vreme:

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Sažetak:

The aim of a Systematic Review (SR) is to gain a better understanding of a certain aspect of selected research field using the principle of classification of a large number of carefully selected articles. The selection of a proper set of articles is a crucial yet delicate task, which demands a large portion of tedious manual work. Can we speed up this screening phase of SRs?

In the lecture, the context of the problem and the guidelines for proper SR conducing will be presented first. As a solution, we propose to automate the screening of a large set of articles while conducting an SR. A rigorous approach will be described, which is in line with the formal SR guidelines. Next, a prototype tool to efficiently support such an approach will be presented, too.

The effect of approach will be shown through a demonstration experiment which compares its results with the results of a classic manual screening. Finally, our experiences and the recommendations for the proper use of the proposed approach will be presented, too.

O predavaču

Igor Rožanc received the MSc and PhD degrees in Computer Science from the University of Ljubljana in 1996 and 2003, respectively. He is currently a senior lecturer at the University of Ljubljana, Faculty of Computer and Information Science. His research interests are in the area of Software Engineering, especially software quality, model-driven development, and domain specific (modeling) languages. He is a member of the IEEE.