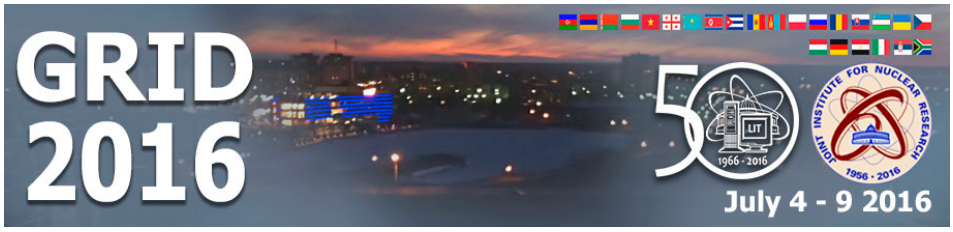

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Ontology distribution for a test generation system

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Use of ontologies in test generation systems for education provides many benefits. It allows handling different subject areas in the same way, reducing them to the structure, where complex interconnections could be used for generation of diverse questions for the end user. It is obvious that the growth of the test ontology causes the growth of its processing costs. However, the whole ontology is rarely used in a test generation process, as different tests stick with different parts of the ontology. Allocation of such parts allows distribution of the ontology and provides the test generation system with the ability to flexibly adapt to different runtime environments. In this work the way of performing such allocation is presented. It is based on test cases descriptions and their rules of question generation.

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