Supervisor assessment of Master's Thesis

Student: Panov Sergey, Bc.

Title: A Library for Detection of Semantic Properties of Tree Structures (id 22423)

Supervisor: Smrčka Aleš, Ing., Ph.D., DITS FIT BUT

1. Assignment comments
The goal of the project was to support generation of test data for information systems. The idea was to design and implement a library for support of tree manipulations and detection of semantic properties in tree structures. The implemented solution allows further analysis and test data generation for an interface of information system under test.

2. Literature usage
The student selected most of the bibliography by himself.

3. Assignment activity, consultation, communication
The student has been active and participated in a regular meetings in research group.

4. Assignment finalisation
The project has been finished long before the deadline. The student received my comments for technical report.

5. Publications, awards
The implemented solution is open-source and has been already accepted by the research group in TAČR-KYPO4Industry project.

6. Total assessment   **excellent (A)**
Sergey Panov achieved a solution which can be easily applied either in a research of automated software testing and in practise during development and operation processes.

In Brno 30 June 2020

 Smrčka Aleš, Ing., Ph.D.
supervisor