

I. IDENTIFICATION DATA

Thesis name:	Conservation of 20 th Century Concrete Buildings: The Case of the Strahov Stadium in Prague
Author's name:	Bruno Favoretto Silva
Type of thesis :	Master's thesis
Faculty/Institute:	Faculty Of Civil Engineering/ Czech Technical University In Prague
Department:	Department of Mechanics
Thesis reviewer:	Mgr. Dita Frankeová
Reviewer's department:	Institute of Theoretical and Applied Mechanics of the Czech Academy of Sciences

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	average difficult.
<i>Evaluation of thesis difficulty of assignment.</i>	
The thesis contains both theoretical (research) and experimental part, I evaluate this work as average difficult. The complication for the author was the fact, that existing information sources were available mostly only in the Czech language. The experimental work was not very large-scale, but the interpretation of the data obtained is quite difficult for an inexperienced analyst.	

Satisfaction of assignment	Satisfied.
<i>Assess that handed thesis meets assignment. Present points of assignment that fell short or were extended. Try to assess importance, impact or cause of each shortcoming.</i>	
The aims of the thesis have generally been achieved. The objective was to assess the recent condition of the Strahov stadium, to recommend appropriate survey techniques and subsequent preservation interventions. In the theoretical part, the author has shown a good understanding of the scientific literature focused on the scope of the thesis. Some topics could be described in more detail, e.g. comparison of materials and technologies used in concrete construction at the beginning of the 20 th century and nowadays.	

Method of conception	Correct.
<i>Assess that student has chosen correct approach or solution methods.</i>	
A correct methodology was adopted to fulfill the objectives and goals of the thesis.	

Technical level	D
<i>Assess level of thesis specialty, use of knowledge gained by study and by expert literature, use of sources and data gained by experience.</i>	
The work also included an experimental part, so the author became familiar with the work in the laboratory, the preparation of test specimens and the operation of analytical instruments. The professional level of the work is partly reduced by a less clear and not very comprehensive evaluation of the results of the experiments. In the chapter Proposal for conservation, the author could also suggest more particular steps regarding conservation interventions and maintenance regulation, the text is too general.	

Formal and language level, scope of the thesis	B
<i>Assess correctness of usage of formal notation. Assess typographical and language arrangement of the thesis.</i>	
The typographical and language arrangement of the thesis is good. The work is well structured and contains many explanatory pictures, but in some cases, there are missing links to figures in the text. The scope of the thesis is sufficient.	

Selection of sources, citation correctness	C
<i>Present your opinion to student's activity when obtaining and using study materials for thesis creation. Characterize selection of sources. Assess that student used all relevant sources. Verify that all used elements are correctly distinguished from own</i>	



REVIEWER'S OPINION OF FINAL THESIS

results and thoughts. Assess that citation ethics has not been breached and that all bibliographic citations are complete and in accordance with citation convention and standards.

The student used relevant sources. Unfortunately, the citations' writing is not uniform; non-journal references are not complete. Also, the sources of images in the text are not correctly cited.

Additional commentary and evaluation

Present your opinion to achieved primary goals of thesis, e.g. level of theoretical results, level and functionality of technical or software conception, publication performance, experimental dexterity etc.

Please insert your commentary (voluntary evaluation).

III. OVERALL EVALUATION, QUESTIONS FOR DEFENSE, CLASSIFICATION SUGGESTION

Summarize thesis aspects that swayed your final evaluation. Please present apt questions which student should answer during defense.

The assignment of the thesis was more demanding and required continuous and time-consuming work with information sources hampered by the language barrier. The author compiled a relevant architectural and historical information and described the manifestations of the degradation process visible on the Strahov Stadium complex. From the scientific point of view, there is also a benefit in the possibility to interlink the student's work with the aims of the international research project CONCECH20.

I evaluate handed thesis with classification grade **C**.

Date: **16.6.2019**

Signature: