

I. IDENTIFICATION DATA

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| Thesis name: | Open Rapid Control Prototyping and Real-Time Systems |
| Author's name: | Michal Lenc |
| Type of thesis : | bachelor |
| Faculty/Institute: | Faculty of Electrical Engineering (FEE) |
| Department: | Department of Control Engineering |
| Thesis reviewer: | Prof. Roberto Bucher |
| Reviewer's department: | University of Applied Sciences and Arts of Southern Switzerland-DTI |

II. EVALUATION OF INDIVIDUAL CRITERIA

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| Assignment | challenging |
| <i>Evaluation of thesis difficulty of assignment.</i> | |
| It is not so simple to integrate together two already existing SW. It is necessary to deep understand both systems in order to fulfill the .assignment | |

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| Satisfaction of assignment | fulfilled |
| <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> | |
| All initial required tasks have been implemented and tested. I didn't had any problems to replicate all the provided tools on my PC, following the detailed descriptions of the required steps. | |

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| Method of conception | outstanding |
| <i>Assess that student has chosen correct approach or solution methods.</i> | |
| The approach and the solution are interesting and original. | |

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| Technical level | A - excellent. |
| <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 student was able to make optimal use of all that is made available by both tools, thus succeeding in d getting a very good result. In any case, he had to acquire both systems in depth in order to be able to take full advantage of their features and what was already available. The final integration consequently works very well. | |

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| Formal and language level, scope of thesis | A - excellent. |
| <i>Assess correctness of usage of formal notation. Assess typographical and language arrangement of thesis.</i> | |
| Very few and very small typos, considering that he wrote all the documentation not in his native language. The end result is excellent, well readable and easily understood. | |

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| Selection of sources, citation correctness | A - excellent. |
| <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 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.</i> | |
| Complete and exhaustive | |

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.

The result of the project is very interesting and gives a great additional value to my pysimCoder tool. We already implemented the result of this project in our laboratory at SUPSI, with few effort, simply by following the description made available by Michal Lenc.

All the requirements have been satisfied, The SW source files are well written, clean, well commented, very readable and understandable.

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.

I evaluate handed thesis with classification grade **A** - excellent.

Date: **27.5.2022**

Signature: