

Jury Member Report – Doctor of Philosophy thesis.

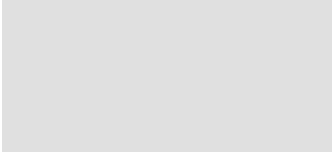
Name of Candidate: Igor Salimon

PhD Program: Physics

Title of Thesis: Laser synthesis and modification of nanomaterials

Supervisor: Assistant Professor Sakellaris Mailis

Name of the Reviewer: Professor Nikolay A. Gippius

I confirm the absence of any conflict of interest 	Date: 01-10-2023
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The purpose of this report is to obtain an independent review from the members of PhD defense Jury before the thesis defense. The members of PhD defense Jury are asked to submit signed copy of the report at least 30 days prior the thesis defense. The Reviewers are asked to bring a copy of the completed report to the thesis defense and to discuss the contents of each report with each other before the thesis defense.

If the reviewers have any queries about the thesis which they wish to raise in advance, please contact the Chair of the Jury.

Reviewer's Report

Reviewers report should contain the following items:

- Brief evaluation of the thesis quality and overall structure of the dissertation.
- The relevance of the topic of dissertation work to its actual content
- The relevance of the methods used in the dissertation
- The scientific significance of the results obtained and their compliance with the international level and current state of the art
- The relevance of the obtained results to applications (if applicable)
- The quality of publications

The summary of issues to be addressed before/during the thesis defense

This is a good thesis that is devoted to the synthesis and modification of nanomaterials with help of the lasers. The thesis has a clear structure. It is composed by 5 chapters, each of them begins with the statement of the author contribution and summary of the content, followed by detailed description of the results.

The topic of dissertation work is relevant to its actual content. The work is based on appropriate experimental methods.

The thesis contains lot of results and scientifically sound. E.g. the novel method of synthesis of transitional metal dichalcogenides is presented that is of the international level and correspond to the current state of the art.

The results of the thesis are published in 8 (4 first author) papers and 5 conferences and meet the PhD program requirements.

I see no issues to be addressed before/during the thesis defense

Provisional Recommendation

I recommend that the candidate should defend the thesis by means of a formal thesis defense

I recommend that the candidate should defend the thesis by means of a formal thesis defense only after appropriate changes would be introduced in candidate's thesis according to the recommendations of the present report

The thesis is not acceptable and I recommend that the candidate be exempt from the formal thesis defense