

## Thesis Changes Log

**Name of Candidate:** Zahed Allahyari

**PhD Program:** Materials Science and Engineering

**Title of Thesis:** Coevolutionary Search for Materials with Optimal Properties in the Space of Binary Systems

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**Chair of PhD defense Jury:** Prof. Keith Stevenson      *Email:* k.stevenson@skoltech.ru

**Date of Thesis Defense:** 06 April 2020

*The thesis document includes the following changes in answer to the external review process.*

- 1) A “Personal contribution” section and a “Discussion and Conclusion” chapter are added.
- 2) The references to Figures and Tables are corrected.
- 3) Some part of Section 1.1 is rewritten.
- 4) A proper literature review added to Chapter 2.
- 5) The wrong formula in Section 1.2 was removed.
- 6) More general Gibbs energy formulation is added.
- 7) Section 1.4.1 is modified for the “correlation” part.
- 8) Modifying the pseudo-code in Chapter 3.
- 9) Chapter 4. is greatly improved, and a quantitative assessment for MNs is added.
- 10) Repetitive parts in Chapter 5. were removed/modified.
- 11) Wrong/misleading words, sentences were changed/removed.

Except for the following, almost all of the reviewer’s comments are addressed in the thesis.

- 1) Some of the comments of Prof. Villars, seemed to be questions to me, and not necessary to be addressed in the thesis. I’ll be glad to provide answers to these questions outside of the thesis.