

# Project report

**Period**

*Give the time period you report for (month year - month year)*

**Project title**

*Title as given in the project proposal*

**System(s)**

*Please name the system(s) used*

**Project ID**

*Please provide the project ID*

**Principal investigator**

*Name, affiliation, contact data*

**Project contributor(s)**

*Name, affiliation, contact data*

**The length of the report is restricted to 10 pages (font 11 pt)!**

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## 1 Abstract

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*Give a short introduction to the project and stress the highlights.*

*(about 0.5 pages)*

## 2 Scientific work accomplished and results obtained

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*Describe the scientific work which was accomplished within the granting period and the results which were obtained, structured in sub-projects, if applicable. Include a brief description of the simulations performed.*

### 2.1 Sub-project A

### 2.2 Sub-project B

...

*(about 1 page per sub-project)*

## 3 Realization of the project

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*Describe the realization of the project including the following technical aspects, if applicable:*

- *Describe the simulations performed (algorithms/models actually used, ...)*
- *Describe algorithmic modifications/improvements that have been done/achieved*
- *If the granted computing time has not been used completely, please discuss the reasons briefly*

## 4 Publications with the appropriate acknowledgement

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*List publications published in peer-reviewed journals or peer-reviewed conference proceedings, which contain results obtained in this project. The computing resources accessed via the Jülich UNified Infrastructure for Quantum computing (JUNIQ) at the Jülich Supercomputing Centre (JSC) must be properly acknowledged in these publications. Depending on the type of device, please choose one of the following:*

- *D-Wave Advantage™ System JUPSI:*

*The authors gratefully acknowledge the Jülich Supercomputing Centre (<https://www.fzjuelich.de/ias/jsc>) for funding this project by providing computing time on the D-Wave Advantage™ System JUPSI through the Jülich UNified Infrastructure for Quantum computing (JUNIQ).*

## 5 Additional references

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*Space for additional references, e.g., cited in section 2, if applicable.*