Report on the outcomes of a Short-Term Scientific Mission[[1]](#footnote-2)

Action number: CA18232

Grantee name: Eyal Yardeni Seelig

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| **Details of the STSM**  Title: Potsdam-Technion-Hebrew University collaboration  Start and end date: 18/09/2022 to 22/09/2022 |
| **Description of the work carried out during the STSM**  Description of the activities carried out during the STSM. Any deviations from the initial working plan shall also be described in this section. |
| *(max. 500 words)*  During the STSM, we had a full week of meetings with our collaborators in Israel and Germany. The participants each gave lectures on their current research topics, presented recent progress and raised questions for further study. We met with new PhD and Diploma students who are enquiring into new research projects. |
| **Description of the STSM main achievements and planned follow-up activities**  Description and assessment of whether the STSM achieved its planned goals and expected outcomes, including specific contribution to Action objective and deliverables, or publications resulting from the STSM. Agreed plans for future follow-up collaborations shall also be described in this section.  *(max. 500 words)*  The STSM achieved its goal of introducting PhD and Diploma students from different groups in Israel and Germany, and exposing them to each others projects. After the presentations given by each member, we conducted an Open Problems session to raise synergetic problems taking into account each member’s expertise. During the session, I joined a new research project regarding periodic operators with non-Abelian symmetries together with the group in Potsdam. Our plan is to develop the relevant theory further and solve several concrete problems raised in the STSM. |

1. This report is submitted by the grantee to the Action MC for approval and for claiming payment of the awarded grant. The Grant Awarding Coordinator coordinates the evaluation of this report on behalf of the Action MC and instructs the GH for payment of the Grant. [↑](#footnote-ref-2)