

**COST Action CA16218**  
**Action Title: NANOSCALE COHERENT HYBRID DEVICES FOR SUPERCONDUCTING QUANTUM TECHNOLOGIES**

**Minutes Management Committee Meeting GP4**  
**27<sup>th</sup> of September 2021 (Remote meeting - via Zoom)**

### **1. Welcome to participants**

The meeting starts at 11h30. The Chair of the Action, Hermann Suderow opens the meeting and welcomes all participants. Even if a hybrid meeting is going to be organized in Paris by mid-October, there are basically two reasons for organizing this exceptional online MC meeting: 1) The need to prepare a work and budget plan for the forthcoming grant period starting in November 2021 and ending on the 16<sup>th</sup> of April 2022; 2) Information about a future proposal in the open COST Action call.

### **2. Verification of the presence of two-thirds of the Participating COST Countries or, if applicable, a quorum**

34 participants are present in the meeting. More than 2/3 of the country representatives of the Action attended this 9<sup>th</sup> Management Committee meeting. Therefore, the quorum was achieved. The decisions taken during the meeting and the issues discussed are reported in these minutes and will be sent to all MC members for approval.

### **3. Adoption of agenda**

The meeting participants agreed to adopt the meeting agenda sent by the Chair of the Action via email on the 24<sup>th</sup> of September, 2021, where the main points for discussion were also highlighted.

There were no pending issues from last meeting.

### **4. Update from the Action Chair and Grant Holder**

#### **a) Status of Action:**

Several online meetings have been organized during the GP:

- Miniworkshop "Towards strong correlations in van der Waals heterostructures and 2D materials"- March 2021;
- Nanoengineered Superconductors – NES21 Young Investigator's online workshop, Wien, May, 2021;
- Toposuper2021 – Online conference on emergent topological superconductivity, Finland, June 2021

The first hybrid meeting of the Action after the pandemic "Superconducting Hybrids @ Extreme" held in Slovakia at the end of June/beginning of July was also a success.

The chair of the action warmly thanks all organizers for their efforts.

A new hybrid meeting will be organized by mid-October (12-14) in Paris “Low dimensional superconducting hybrids for novel quantum functionalities”. It is expected to have a significant number of in-person attendants, which is important to resume in-person interactions and discussions.

Most of the budget of the current period will be spent on the organization of the two hybrid meetings.

**b) Short Term Scientific Missions (STSM):** review of completed reports and new applications. The Chair of the Action reminds about fostering STSMs and ITC conference grants now that traveling restrictions are being eased all over Europe.

### c) Open Access Publications

The Open Access fees for two joint publications have been paid. Whenever possible, this activity will continue to be supported in the future.

The Chair of the Action also reminds about other activities that are currently being moved forward by several team members, namely the Book “Superconductivity for children” (this issue will be discussed later with the budget for the new GP), and the series of interviews “Nanoco-hy-bri highlights – Meet some of Nanoco-hy-bri scientist”. Brigitte Leridon, who heads the Book project, informs about the present status of this project, with an expected delivery date start of 2022.

In addition, the Chair informs about a Virtual Networking support grant as well as 6 Virtual Mobility Grants have been undertaken since the approval of this tools by the MC last month of May.

### d) Action budget status. Information and planning of forthcoming events.

The chair informs about the budget available for the forthcoming Grant period starting in November 2021 and ending on the 16th of April 2022. A Work and Budget Plan needs to be prepared and the 85,5K€ distributed for undertaking different activities in the forthcoming grant period. The following proposal is made by the chair:

Networking Tools	Quantity	Budget
Meetings	1	EUR 14 200.00
Training Schools	1	EUR 34 000.00
Short Term Scientific Missions (STSM)	6 (x 1.250€)	EUR 7 500.00
ITC Conference Grant	2 (x1.000)	EUR 2 000.00
COST Action Dissemination		EUR 12 000.00
Other Expenses Related to Scientific Activities (OERSA)		EUR 300.00
<b>Total Science Expenditure</b>		<b>EUR 70 000.00</b>
Financial and Scientific Administration and Coordination (FSAC) - MAX. 15%		EUR 10 500.00
<b>Total Grant Request</b>		<b>EUR 80 500.00</b>

The organization of a Training School jointly with the last in-person MC meeting in Spain likely in March is very much welcome by all MC members. In case Virtual Networking Support tools are still available in the forthcoming period, the MC will meet again to decide about reallocation of funds.

Furthermore, the Chair informs about work to organize an online workshop together with Japan. This is being managed by the Chair, Jeroen Custers, Jean Pascal Brison and the Virtual Networking Support Manager. The Chair informs that, due to the workload of the meeting in Paris, this workshop will be likely postponed, from November to December. More information will be given later.

As informed previously by Brigitte Leridon, the book is likely to be finished start of 2022. For that reason, we expect to use 12K€ in the forthcoming WBP for that activity.

The MC members agree with the whole breakdown.

#### **5. Implementation of COST policies on:**

- a) Promotion of gender balance and Early Career Investigators (ECI)**
- b) Inclusiveness and Excellence (see below list of Inclusiveness Target Countries)**

The Chair remarks the need to monitor carefully the gender balance and early career investigators support of the Action.

#### **6. Follow-up of MoU objectives: progress report of working groups**

The Chair reminded the Action objectives and WGs based on the Memorandum of Understanding as well as the management structure.

#### **7. Scientific planning**

##### **a) Scientific strategy**

No novelties with respect to previous MC meeting.

##### **b) Long-term planning (including anticipated locations and dates of future activities)**

A discussion sets in about the future of the Action and the need to prepare a proposal for the next closure date (29 October). All agree that such a proposal will be timely and very well received by the community. There is an agreement to organize a separate specific meeting on this matter.

##### **c) Dissemination planning (Publications and outreach activities).**

The Chair reminds that publications acknowledging the Action are referenced in the webpage of the Action.

#### **8. AOB**

No further aspects.

#### **9. Location and date of next meeting**

The next in person MC meeting will be held around March jointly with the last Training School of the Action likely in Spain. More details will be shared soon. If required, another online MC meeting will be organized in the next months.

## **10. Closing**

The MC Chair thanked the participation of all the MC members and closed the MC meeting at around 13h00.

*[Meeting ends]*