FW: QT Hub funding opportunity

Michail Antoniou (Electronic, Electrical and Systems Engineering) <m.antoniou@bham.ac.uk>
Mon 08/01/2024 15:48

To:Daniel White (PhD Dept ElecElecComp Eng FT) <DXW636@student.bham.ac.uk>
Cc:Mohammed Jahangir (Engineering) <m.jahangir@bham.ac.uk>

Hello Dan,

Following our discussion on Friday please find below the shopping list of things to buy.

Those should be charged to the Quantum Hub, project code 1000194.

Best
Mike

From: Jo Smart (Physics and Astronomy) <j.c.smart@bham.ac.uk>
Sent: Friday, November 24, 2023 3:59 PM
To: Michail Antoniou (Electronic, Electrical and Systems Engineering) <m.antoniou@bham.ac.uk>
Cc: Michael Holynski (School of Physics and Astronomy) <m.holynski@bham.ac.uk>; Simon Bennett (Physics and Astronomy) <s.d.bennett@bham.ac.uk>
Subject: RE: QT Hub funding opportunity

Hi Mike,

We've received notice from EPSRC that we'll be awarded additional funding (see attached). As expected, it needs to be spent by 31/03/24.

Best wishes,
Jo

Dr Jo Smart (she/her)
Programme Manager: Quantum Technology Hub in Sensors and Timing

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From: Michail Antoniou (Electronic, Electrical and Systems Engineering) <m.antoniou@bham.ac.uk>
Sent: Tuesday, October 31, 2023 4:22 PM
To: Jo Smart (Physics and Astronomy) <j.c.smart@bham.ac.uk>
Cc: Michael Holynski (School of Physics and Astronomy) <m.holynski@bham.ac.uk>; Simon Bennett (Physics and Astronomy) <s.d.bennett@bham.ac.uk>
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Dear Jo,

Thank you again for sharing this. This would be the shopping list from my side:

https://www.ettus.com/all-products/usrp-x440/

It is less than £25k, but if there needs to be an explanation the description of the product says: “With these features, the Ettus USRP X440 has the IF and processing performance for applications such as radar, EW, SATCOM and mmWave development and prototyping. Additionally, the Ettus USRP X440 includes a GPS-disciplined 10 MHz oven-controlled crystal oscillator (OCXO) Reference Clock, which improves frequency accuracy and synchronization.” So effectively it is built for radar purposes in mind and also comes in with the possibility of accepting external clock reference sources to synchronise with other radars.

I will also need (all less than £10k):

1x this:

https://www.dell.com/en-uk/shop/dell-networking-cable-100gbe-qsfp28-to-4xsfp28-passive-direct-attach-breakout-cable-3-meter/apd/470-abqb/networking

1x this:

https://www.ni.com/en-gb/support/model.100-gb-ethernet-connectivity-kit.html

1x this:

https://www.ettus.com/all-products/OctoClock/

1x this:

https://www.ettus.com/all-products/gps-ant-3v/

and 2x those just in case:

https://www.ettus.com/all-products/twinrx/

I think I have everything, but if I missed something I should be able to cover it from another grant.

I will try to get back to you on the other item!

Best
Mike

From: Jo Smart (Physics and Astronomy) <j.c.smart@bham.ac.uk>
Sent: Tuesday, October 31, 2023 2:32 PM
To: Michail Antoniou (Electronic, Electrical and Systems Engineering) <m.antoniou@bham.ac.uk>
Cc: Michael Holynski (School of Physics and Astronomy) <m.holynski@bham.ac.uk>; Simon Bennett (Physics and Astronomy) <s.d.bennett@bham.ac.uk>
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Hi Mike,

We're aware of a potential funding uplift opportunity. The additional spend will need to have been completed before 31/03/24. We need to respond on Friday (latest) with our wish-list.

Simon suggested you may currently require some spare radar parts, or maybe a box from Plextek? This can be a mixture of capital and/or consumables. We'll need "3 verbal quotes" for any individual item costing £25k-£138k.

Maybe you could give me a call sometime this afternoon if you're available?

Best wishes,

Jo

Dr Jo Smart (she/her)
Programme Manager: Quantum Technology Hub in Sensors and Timing

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