



COST Action MP1403 - "Nanoscale Quantum Optics" - www.cost-nqo.eu

Flagship Initiative on Quantum Technologies

The announced Flagship Initiative on Quantum Technologies will give European scientists a unique opportunity to set ambitious research goals and to interact with industry to make an unprecedented effort towards the implementation of disruptive technologies that will significantly impact our society, as recently outlined in the "Quantum Manifesto."

The COST Action MP1403 "Nanoscale Quantum Optics (NQO)" has been working in this direction with a focus on Quantum Nanophotonics. Our Memorandum of Understanding (MoU) has been signed by 28 COST Countries and connected in just one year of activity more than 400 researchers, through meetings, exchange visits, a website - www.cost-nqo.eu - and mailing lists. The COST Action has recently submitted a summary of its MoU to the FET Proactive Public Consultation (<https://ec.europa.eu/futurium/en/content/quantum-nanophotonics>), which outlines our research priorities, and it has endorsed the "Quantum Manifesto."

The Management Committee (MC) of the COST Action NQO is following with great interest the development of the Flagship Initiative on Quantum Technologies and this will be a topic of discussion in our future COST meetings. The MC strongly agrees that the extent to which the various interested parties will "embrace the gains to be made from addressing these challenges and commit to working together to address them will determine the success of the initiative," quoting the conclusions drawn by the European Commission in the Communication 176 (19.4.2016) to the European Parliament.

An open and inclusive governance model, in which all the parties currently pursuing a quantum technologies program or developing one have the opportunity to discuss the next steps, is thus a necessity. It will ensure that different ideas and possible improvements are not overlooked and that the scientific and technological cooperation within the European research area benefits.

The MC of the COST Action NQO supports the Flagship Initiative and it is ready to contribute to its development.

Disclaimer: the Management Committee of the COST Action MP1403 prepared this statement independently and as such it does not imply an opinion of the COST Association. Submitted on July 14, 2016 to the EC.



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