

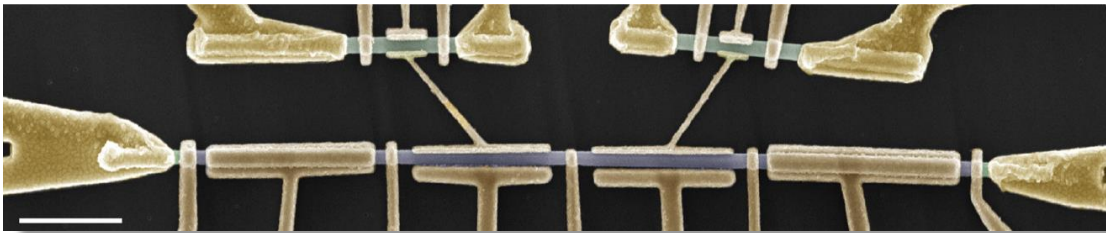


Deividas Sabonis

(Center for Quantum Devices & Microsoft Quantum Lab,
Copenhagen, Denmark)

Detection of Majorana zero modes in hybrid one-dimensional structures

2019-12-18 11:00 / NFTMC D401, Saulėtekio 3



In popular literature topological quantum computing is always presented as a much better, more stable approach towards the protection of quantum state compared to more conventional methods to quantum computing. However, even then a well defined quantum state could be destroyed by physical processes that change a number of particles on the superconductor. Protection against such and other errors requires qubit manipulation and readout on a time scale shorter than the typical time scale of such destructive process. The talk is about hybrid one-dimensional structures as a potential future platform for topological quantum information processing.

coffee & snacks by



&

