Superconducting Hybrids for quantum life @ UNINA & CNR-SPIN

Tue, 2016-10-04 11:44 - Francesco Tafuri [1] **Website:** http://www.unina.it/ [2]

Research Type: Experiment

Superconducting quantum hybrids and conversion of 'unconventional' into quantum devices

- Josephson junctions, quantum interferomters and superconducting circuits employing various superconductors Al, NbN, Nb, YBCO
- Hybrid Josephson junctions with ferromagnetic, semiconducting, graphene and topological insulator barriers
- Macroscopic quantum effects in hybrids and unconventional Josepshon junctions
- Low-power qubit readout and control circuits

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Location

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- Quantum Engineering [3]
- Quantum Computation [4]

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