Contribution ID : **11** Type : **not specified**

G. Mazzola - Applications for the noisy and intermediate scale era of quantum computing (part 1)

mercoledì 18 settembre 2019 09:00 (90)

I review the most promising quantum algorithms and applications suitable for existing and near futures devices. I present results concerning proof-of-principle calculations on IBM hardwares ranging from combinatorial optimization (e.g. protein folding), electronic structure (e.g. chemistry and condensed matter), and sampling (useful for financial applications).