Wednesday 20 June 2018 – at 11:30 a.m.
Seminar Room “-1” – Department of Mathematics

Giovanni Garberoglio
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Quantum mechanics and artificial intelligence:
much ado about what?

Abstract:
Recently, techniques borrowed from the machine learning community have been shown to help in solving quantum mechanical problems.

I will present the main results from two recent papers on this subject: https://arxiv.org/abs/1606.02318, presenting high-accuracy solutions to 1D and 2D spin systems and https://arxiv.org/abs/1703.05334, where a machine is taught to perform quantum-state tomography.

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