



UNIVERSITÀ  
di VERONA

Scuola di Dottorato  
di SCIENZE NATURALI  
ED INGEGNERISTICHE

## Lectio magistralis

# “Prospects in Quantum Machine Learning”

**November 7, 2017 - h. 9.00**

**Prof. Seth Lloyd**

Massachusetts Institute of Technology

**Abstract:**

Quantum systems can generate statistics that can't be generated by a classical system. This talk investigates the question of whether quantum systems can also recognize and classify statistics that can't be recognized classically. Algorithms and technologies for quantum machine learning are presented and prospects for the field are discussed.

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The lecture will take place **at 9.00 – Sala Verde – Cà Vignal – Strada Le Grazie, 15**

Local organization and contact:

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Students attending this lecture are entitled to 1 CFR valid for the specific activities of the Graduate School.

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