

Evening lecture - Quantum computers and quantum computing: a breakthrough in information processing and in machines programming

Thursday, 25 October 2018 18:00 (1 hour)

We are at a turning point in quantum computing. The disciplines of quantum mechanics and information science have reached a level of maturity that allows us to build the first quantum computers and calculate some algorithms. This radically new kind of computing holds open the possibility of solving some problems that are now and perhaps always will be intractable for "classical" computers.

In this talk we'll describe the basics of the technology from industrial point of view and show where we are in the timeline toward reaching quantum advantage: the point where quantum computing shows demonstrable and significant advantage over classical computers and algorithms.

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