



SEMINAR PROJEKTA #OI 171020

LABORATORIJA ZA FIZIKU ATOMSKIH SUDARNIH PROCESA

U petak, 26.10.2018. sa početkom u 12 časova u sali “Dragan Popović” Instituta za fiziku u Beogradu održaće se seminar:

“Quantum Computing in Action”

Dr Predrag Krstić

Institute for Advanced Computational Science, State University of New York at Stony Brook

We study the computer and information processing tasks that can be accomplished by thinking physically about computation and computationally about physics, in particular by quantum-mechanical systems. What are the main research directions in quantum computing, what are the limits of quantum power, what is the lifetime of a stored information? Example of a class of computation complexity that can be performed using quantum algorithms more efficiently than with classical computer. What can be learned by the tests at publicly available IBM-QX quantum computers? New ideas?