

Science Colloquia



del Dipartimento di Fisica e Astronomia
“Ettore Majorana”

Prof. Dr. Michele Parrinello

ETH, Zuerich (CH), USI, Lugano (CH), IIT Genova (IT)

“Atoms and Computers”

11/12/2019, mercoledì, ore 16:30 Aula Magna-DFA

ABSTRACT

The development of computer technology and of efficient algorithms has allowed the realistic simulation of condensed matter system. These calculations provide precious insight, replace difficult experiments, and predict new phenomenon. We shall illustrate the power of this approach with a number of examples taken from different branches of science. However, in spite of remarkable progress much remains to be done to widen the scope of atomistic simulations, especially in areas like nanotechnology or biosciences. This requires new technical as well as conceptual tools in order to describe the complexity of the phenomena that contemporary science has to tackle. Avenues of progress will be presented.

Organizzato dai Proff. R. Caruso & G. Falci

Gli studenti e tutti gli interessati sono invitati ad intervenire. Sarà offerto un rinfresco 20 minuti prima dell'inizio.

Maggiori informazioni e l'abstract del Colloquium al link www.dfa.unict.it