

Nanoscience: quantum physics goes "macroscopic"

Francesco P. Massel¹

¹*University of South-Eastern Norway, Dept. of Science and Industry systems*

We can consider the nanoscale as the interface between the world of our everyday experience and the realm of microscopic quantum phenomena. In my lecture I will give an overview of how it is possible to harness quantum mechanical properties of nanosized systems for applications and to probe into long-standing questions about the very essence of quantum mechanics.