

Macroscopic quantum states in optomechanics

Francesco P. Massel¹

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

In my lecture, I will give an introduction to the physics of optomechanical systems in the quantum regime. In particular, I will focus on the generation of quantum mechanical states for mechanical oscillators and the potential exploitation of quantum optomechanical systems in quantum information.