

## Cavity Optomechanics Nano And Micromechanical Resonators Interacting With Light Quantum Science And Technology

~~Tutorial on Cavity Optomechanics – CLEO 2018~~

~~Cavity optomechanics: exploring the coupling of light and micro- and nanomechanical oscillators~~  
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~~Cavity Optomechanics: Part I by Nikolai Kiesel~~  
~~Cavity optomechanics with optical microresonators Nano- and Micromechanics (Kathy Walsh)~~  
~~Optomechanical Interaction - Lecture 1 Levitated Cavity Optomechanics - N. Kiesel - Workshop 2 - CEB T2 2018~~  
~~Tobias J. Kippenberg – The Physics of High Q optical micro resonators~~  
~~Optomechanical circuits for nanomechanical continuous variable quantum state processing~~  
~~Single Phonon Quantum Acoustics with Superfluid Helium | Seminar Series with Jack Harris~~  
~~Intro to Nanophotonics Coupled Oscillators~~  
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During the last few years cavity-optomechanics has emerged as a new field of research. This highly interdisciplinary field studies the interaction between micro and nano mechanical systems and light. Possible applications range from novel high-bandwidth mechanical sensing devices through the generation of squeezed optical or mechanical states to even tests of quantum theory itself.

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Cavity Optomechanics: Nano- and Micromechanical Resonators Interacting with Light is a collection of 12 invited articles by leading experts from both sides of the Atlantic. It is edited by Markus Aspelmeyer, Tobias Kippenberg, and Florian Marquardt, researchers who have achieved some of the field's most significant recent discoveries.

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