

INVITATION

Monday, 23.01.2023, 4.15 p.m., Room W02 1-148 and per
video conference: <https://meeting.uol.de/b/anj-2vc-j6s-fwe>

speaks

Dr. Ivan Favero
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about

"Optomechanical sensing technologies"

The interaction of light with the mechanical motion of vibrating bodies has been a flourishing field of fundamental quantum physics for the last fifteen years. The concepts, methods and devices developed in the framework of this research are now ripe for applications, especially in the field of sensing.

After an introduction on optomechanics, I will present several optomechanics-based sensing technologies that push the limits of current instrumentation. The applications concern nano-imaging, terahertz detection, bioanalysis and biophysics.

All interested persons are cordially invited.

Dr. Martin Esmann