



Professor Romain Quidant

«Our approach to research is highly interdisciplinary; we work across fields to develop novel technical solutions.»

Nanophotonic Systems Laboratory

Institute of Energy and Process Engineering

When matter is reduced to nanometric dimensions, it responds differently to light than at a larger scale. We use these new optical properties to address scientific and technological challenges in a wide spectrum of fields – for example, in biotechnology, inertial sensing and advanced imaging. Our research is highly interdisciplinary and tackles both fundamental and applied problems.

Focus

- Levitation optomechanics
- Bionanophotonics
- Microscale heat control

Tools

- Numerical design
- Nanofabrication
- Advanced optical measurements and imaging
- Microfluidics

Further details online:

www.light.ethz.ch

