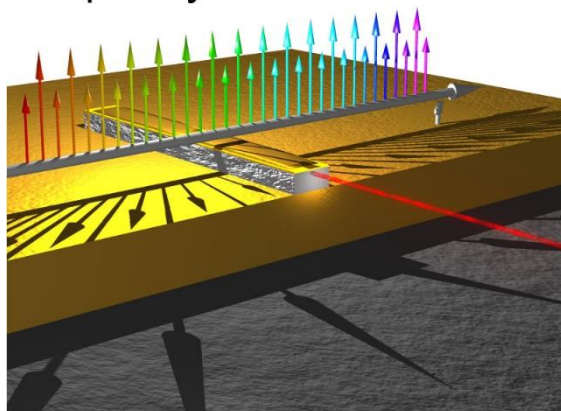
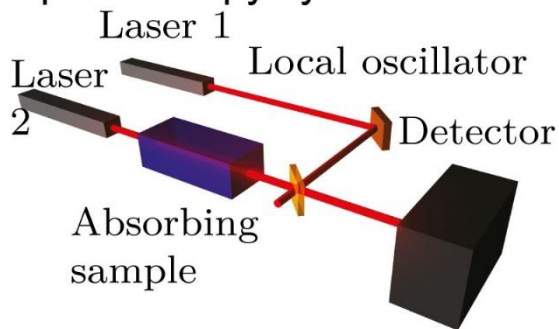


Andreas Hugi, Markus Geiser – Semiconductor based frequency comb spectroscopy: IRsweep

Frequency comb



Spectroscopy system



The aim is to revolutionize gas sensing by providing a broadband, compact and robust sensing platform in the mid-infrared range for a wide variety of chemical species.

This leads to industrial on-line and in-line process control, environmental monitoring and potentially enables medical breath analysis and artificial noses.

The vision is that chemical sensing can be pushed to the mid-IR with our broadband platform.