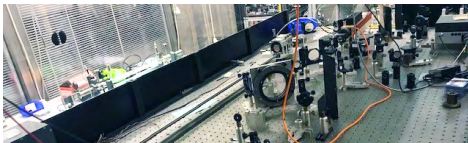


L A S & O :

Lasers & Optics

WHAT WE OFFER : services and expertise

- Advice for the purchase of lasers and optics
- Advice for technical questions concerning optics and lasers
- Advice in instrumentation in general
- Help in building prototypes
- Calibration of optical devices



High-resolution infrared and visible spectrometer

- Measurement of spectral signatures
 - at high resolution (100 MHz)
 - at different temperatures (10K – 300K)



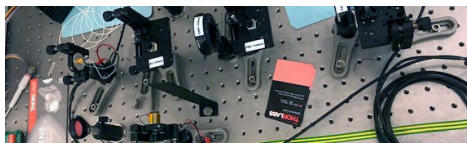
Different pulsed and continuous wave lasers

- CW-DFB lasers (1,5 μm)
- Ti:Sa-mode-locked lasers
- Pulsed dye laser



Optical components

- Camera
- Mirrors
- Lenses
- Microscope



Metrology : distance, time and frequency

- Phase locked laser (PDH)
- Michelson interferometer
- Wavefront characterization

CONTACT

Platform manager
Pr Clément Lauzin
 clement.lauzin@uclouvain.be
 +32(0)10/47-39-39

www.uclouvain.be/laso

(1) Optical components: camera, mirrors, lenses – (2) High-resolution and visible spectrometer – (3) Buffer gas cooling (molecular spectral signatures measurement at different temperatures) – (4) Metrological distance measurement