

## Entirely passive thin-disk dual-comb spectrometer operating in green

*Thursday, 1 September 2022 12:00 (2 hours)*

We have frequency doubled an entirely passive dual-comb thin-disk oscillator to perform spectroscopy of iodine at 515nm. Simultaneous measurement of iodine and acetylene (1034nm) helps to evaluate the jitter characteristics at both wavelengths. It indicates that the approach can be extended to higher harmonics in the deep UV spectral range.

**Primary authors:** HOFER, Tobias (Helmut-Schmidt University, Hamburg, Germany); FRITSCH, Kilian (Helmut-Schmidt University, Hamburg, Germany); PRONIN, Oleg (Helmut-Schmidt University, Hamburg, Germany)

**Presenter:** HOFER, Tobias (Helmut-Schmidt University, Hamburg, Germany)

**Session Classification:** Lunch and Poster Session 2