

# Hybrid Integrated Nonlinear Photonics: From Chipscale frequency combs to cryogenic interconnects

*Friday, 2 September 2022 10:00 (30 minutes)*

The development of optical frequency combs, and notably self-referencing, has revolutionized precision measurements over the past decade, and enabled counting of the cycles of light. Frequency combs, have enabled dramatic advances in timekeeping, metrology and spectroscopy.

**Primary author:** KIPPENBERG, Tobias J. (wiss Federal Institute of Technology Lausanne, EPFL, Lausanne, Switzerland)

**Presenter:** KIPPENBERG, Tobias J. (wiss Federal Institute of Technology Lausanne, EPFL, Lausanne, Switzerland)

**Session Classification:** SSL 7 Tm, Ho Lasers