

# Heterogeneous integration for QPICs

Complex Silicon and Silicon Nitride Photonic ICs are widely available now and used in wide range of applications, both classical and non-classical. However, some building blocks are still missing. In this talk, I will discuss how the integration of new materials using micro-transfer printing can overcome this bottleneck. This versatile technique allows to transfer III-V semiconductors, for lasers and single photon sources, ferro-electrics, for modulators and switches but also many other materials.

