

# **Shaping and brightening up single and entangled photons**

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The ability to control the quantum optical properties of the single and entangled photons can enrich the photonic quantum technologies. In this talk, I will show how the imperfections can be exploited to change the waveform and spectrum of the single and entangled photons. I will also show how we generate the brightest single and entangled photons to date.