

Course title	QUANTUM OPTICS IN PHOTONIC LATTICES
Instructor	Francesco Ciccarello
N of hours	10
description	Tutorial on basic concepts and tools of Quantum Optics in structured reservoirs
Contents	<ul style="list-style-type: none">• Resolvent method and self-energy• Photonic crystals• Atom-photon bound states• Adiabatic elimination Effective many-body Hamiltonians mediated by photons