

# From fluids of light to strongly correlated photonic systems.

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This tutorial reviews recent advances in the fundamental understanding and active control of quantum fluids of light in nonlinear optical media [1]. Perspectives in the direction of strongly correlated photonic systems are outlined.

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[1] I. Carusotto, C. Ciuti, “Quantum fluids of light”, *Rev. Mod. Phys.* 85, 299–366 (2013).