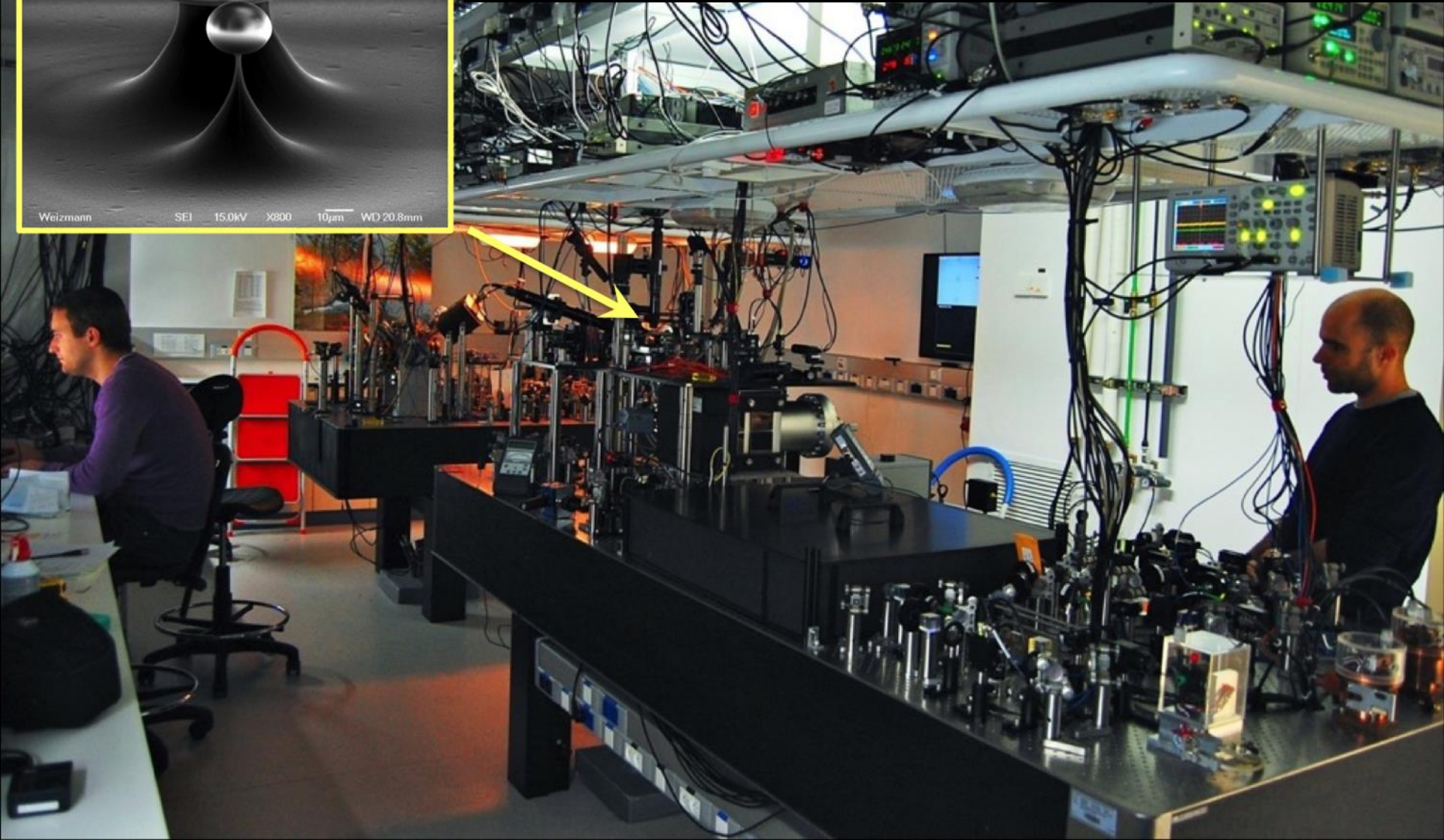
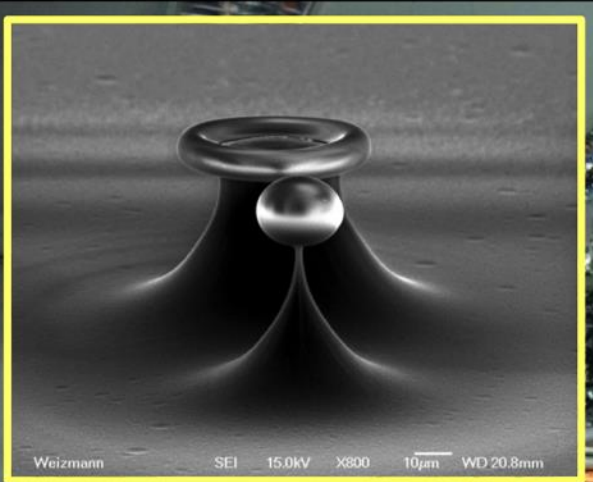


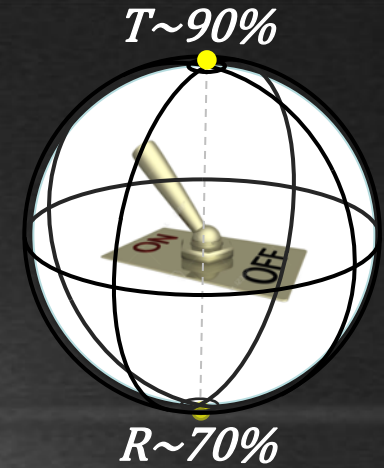
# Weizmann Quantum Optics Group

Barak Dayan



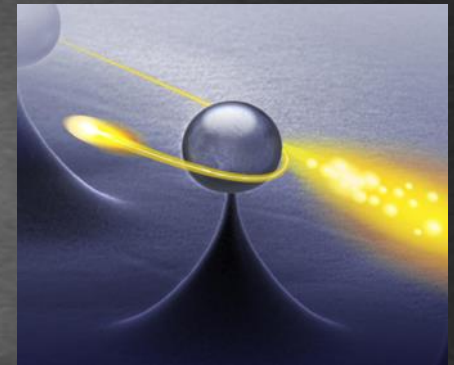
- *All-Optical Routing of Single Photons by a One-Atom Switch Controlled by a Single Photon*

*Science* 345, 903 (2014)



- *Extraction of a Single Photon from an Optical Pulse*

*Nature Photonics* 10, 19 (2016)



- *A Passive Photon-Atom SWAP Gate*

*arXiv:1711.10974 [quant-ph]*

*Under review in Nature Physics*

