



Guiding light in optically induced PCF-like structures. The first two rows are 1D and 2D lattices with a single-site negative defect induced with self-focusing nonlinearity. The bottom row shows the ring lattices with a central low-index core induced with self-defocusing nonlinearity. From left to right, shown are schematic illustration of induced lattice structures (red indicates high index), experimentally created lattice patterns, the probe beam at input, and its 2D and 3D intensity patterns exiting the defect or low-index channel, respectively.