

# List of Abbreviations

1D	one dimensional
2D	two dimensional
3D	three dimensional
CCW	coupled-cavity waveguide
DC	dispersion compensator
DCF	dispersion compensating fiber
FBG	fiber Bragg grating
FDTD	finite-difference time-domain
ICP	inductively-coupled plasma
IOSOI	insulator-on-silicon-on-insulator
PBG	photonic band gap
PC	photonic crystal
PPC	planar photonic crystal
RF	radio-frequency
RIE	reactive ion etching
SEM	scanning electron microscope
SMF	single-mode fiber
SOI	silicon-on-insulator
TE	transverse electric
TM	transverse magnetic
UV	ultra-violet
WDM	wavelength division multiplexing
$W_n$ waveguide	waveguide having a width of $n$ pore rows