Supporting Information

for

Lithium niobate on insulator: an emerging nanophotonic crystal for optimized light control

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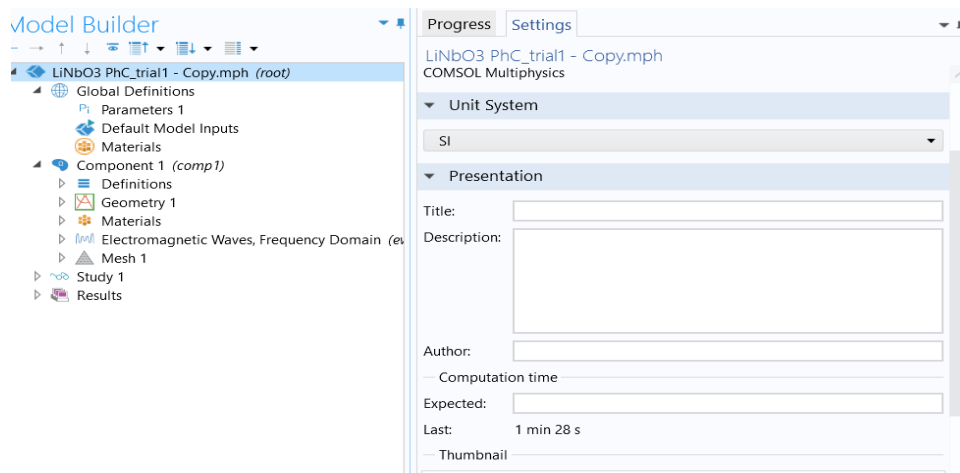
Supplementary information

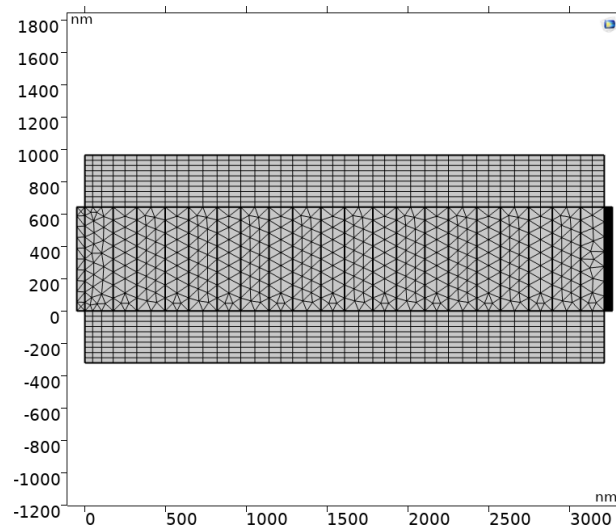**Figure S1:** The hierarchical tree of COMSOL model builder.

Figure S2: The customized triangular and rectangular mesh discretization on the PhC geometry built in COMSOL.

Table S1: Mesh parameters used.

Max Element Size	TiO$_2$ - 94.2 nm, LN-84.3 nm, Air-193.7 nm
Min Element Size	0.994 nm (for all)
Max element growth rate	1.3 (for all)
Curvature Factor	0.3 (for all)