

Abstract Submitted
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**FABRICATION AND SIMULATION OF WAVEGUIDES FOR
ALGAN NANOWIRE LEDS** EMILIO CODECIDO, ATM SARWAR, BRELON
MAY, ROBERTO MYERS, The Ohio State University — Ultraviolet dopantless al-
gan nanowire leds have been developed using composition gradients and polarization
techniques. With the goal of accomplishing a side-emitting laser, we are fabricating
and simulating waveguides to enhance the light propagation in the longitudinal di-
rection. In this poster, I will present the outline and Progress of the fabrication pro-
cess for such waveguides along with simulation results from meep, a finite-difference
time-domain tool.

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