

- S. Sun, et al., IEEE Photonics Journal (2015).

Electrical	Photonic	Metanano
$I = \frac{U}{R}$	$ = E ^{2}$	$J_D = \frac{\partial D}{\partial t} = -i\omega\varepsilon E$
R		ITO (ENZ) ITO = R
$- \xi \nabla^2 \phi = 0$	Chan C	wire shield
$- \mathbf{R} \leq \mathbf{v} \varphi = \mathbf{v}$		