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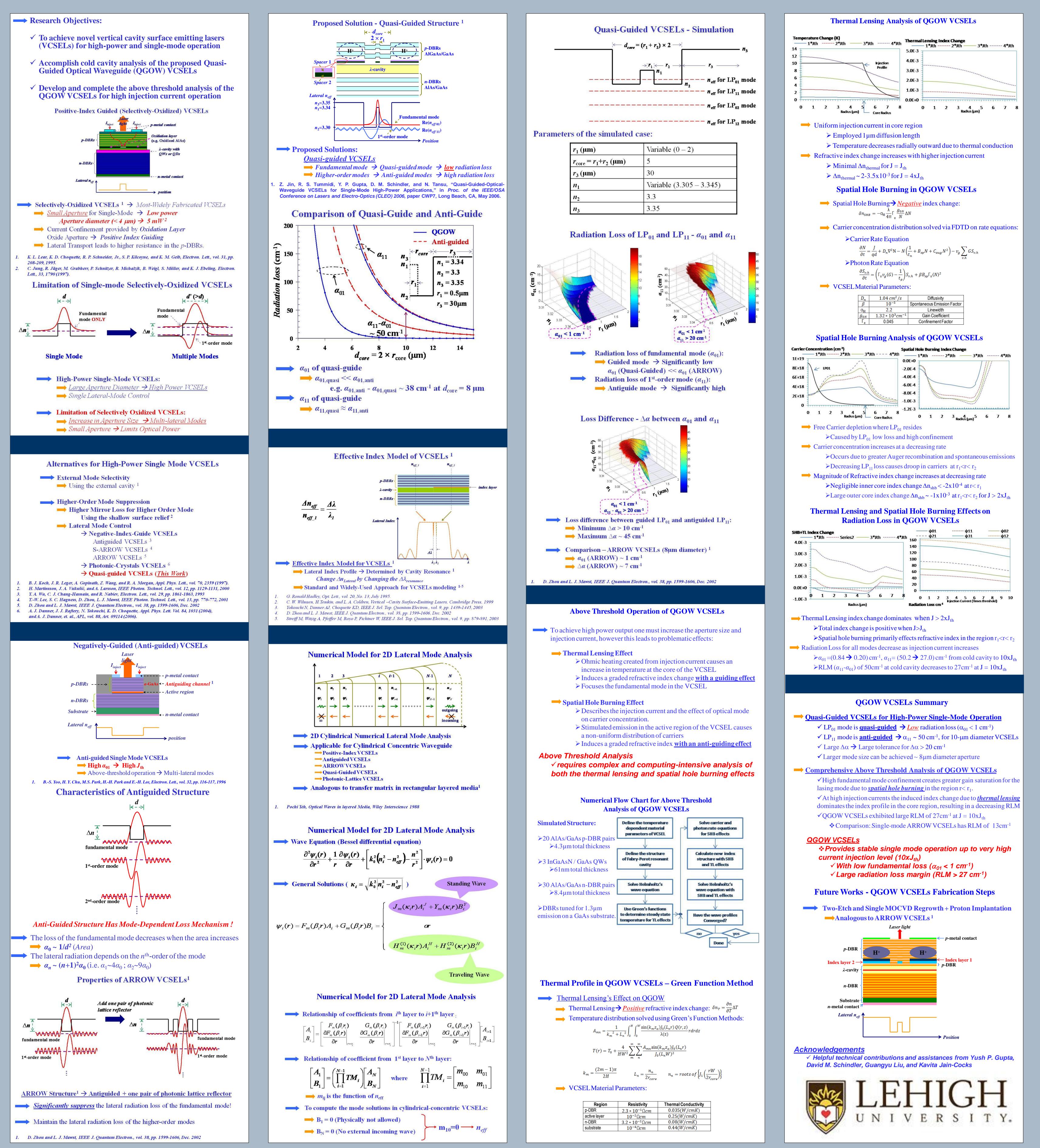
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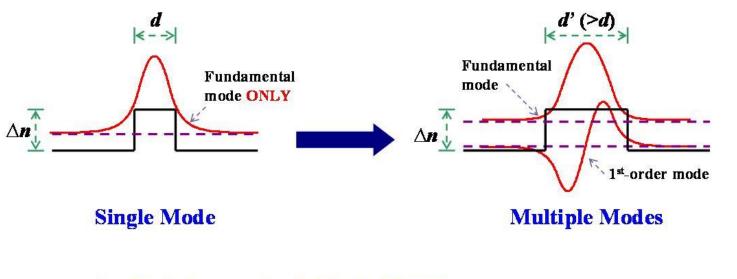
Above Threshold Analysis of Quasi Guided Optical Waveguide **VCSELs for Single-Mode High-Power Application**

Alexander C. Wendt +, Zhian Jin, and Nelson Tansu +

Department of Electrical and Computer Engineering, Center for Optical Technologies, Rossin College of Engineering and Applied Sciences, Lehigh University, Bethlehem, PA 18015, USA + Email: acw210@Lehigh.Edu, + Email: Tansu@Lehigh.Edu







r ₁ (μm)	Variable $(0-2)$
$r_{\rm core} = r_1 + r_2 \ (\mu { m m})$	5
r ₃ (μm)	30
<i>n</i> ₁	Variable (3.305 – 3.345)
<i>n</i> ₂	3.3
<i>n</i> ₃	3.35

D_n	$1.04 cm^2/s$	Diffusivity
β	10-5	Spontaneous Emission Factor
α _H	2.2	Linewidth
g_{0N}	$1.32 * 10^{3} cm^{-1}$	Gain Coefficient
Γ _z	0.045	Confinement Factor

