**Electron Emission Models for Simulation (Jensen)**

**Photo and TF Emission, Emission Times, Simulation Issues**

### Modeling Optical Parameters

- Graphs showing $R(\omega)$ and $\delta(\omega)$ for various materials.

### Modeling Emission Delay

- Graph showing $L_d/L = 0.8$.
- Graph showing $\rho(x,t)/\rho(x,0): V_0 = 8$.

### Thermal-Field-Photo Emission

- Graph showing $dE/dE_0$ vs. $E$.

### Roughness & Beam Envelope

- Graph showing $z(x, y)$.
- Graph showing $R(\omega)/R_c$.