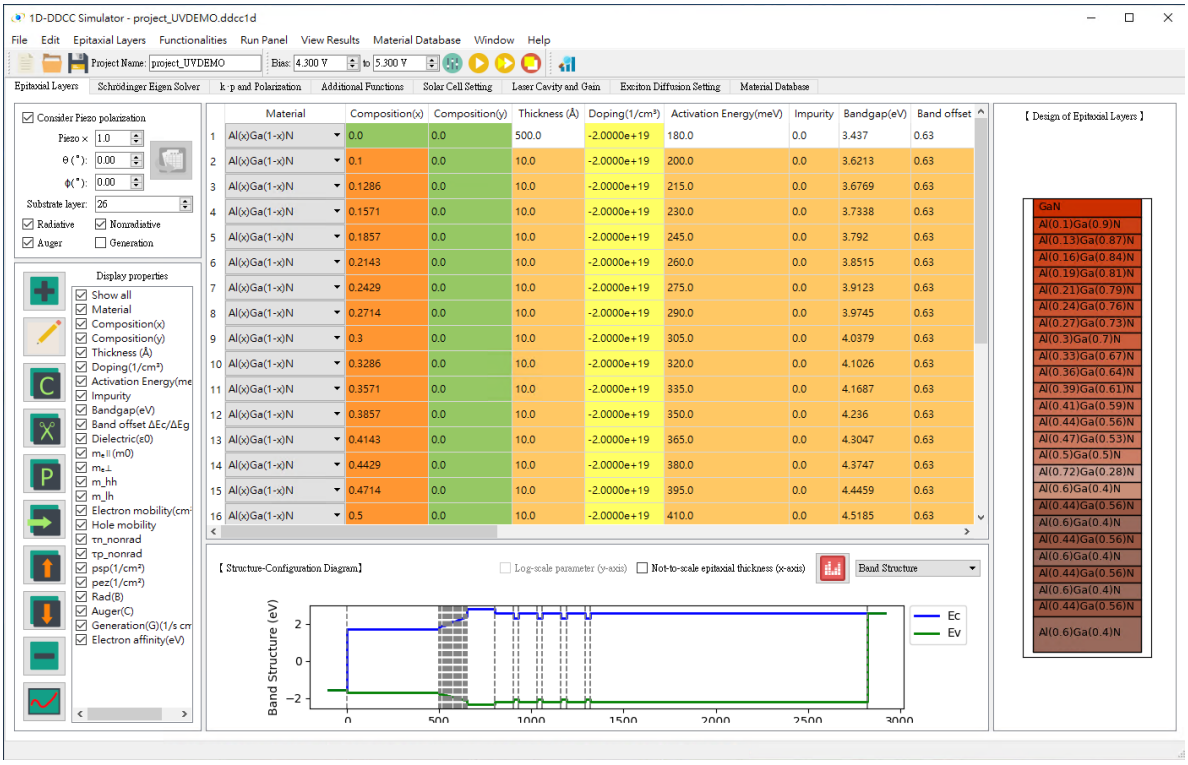
Project Demonstrations

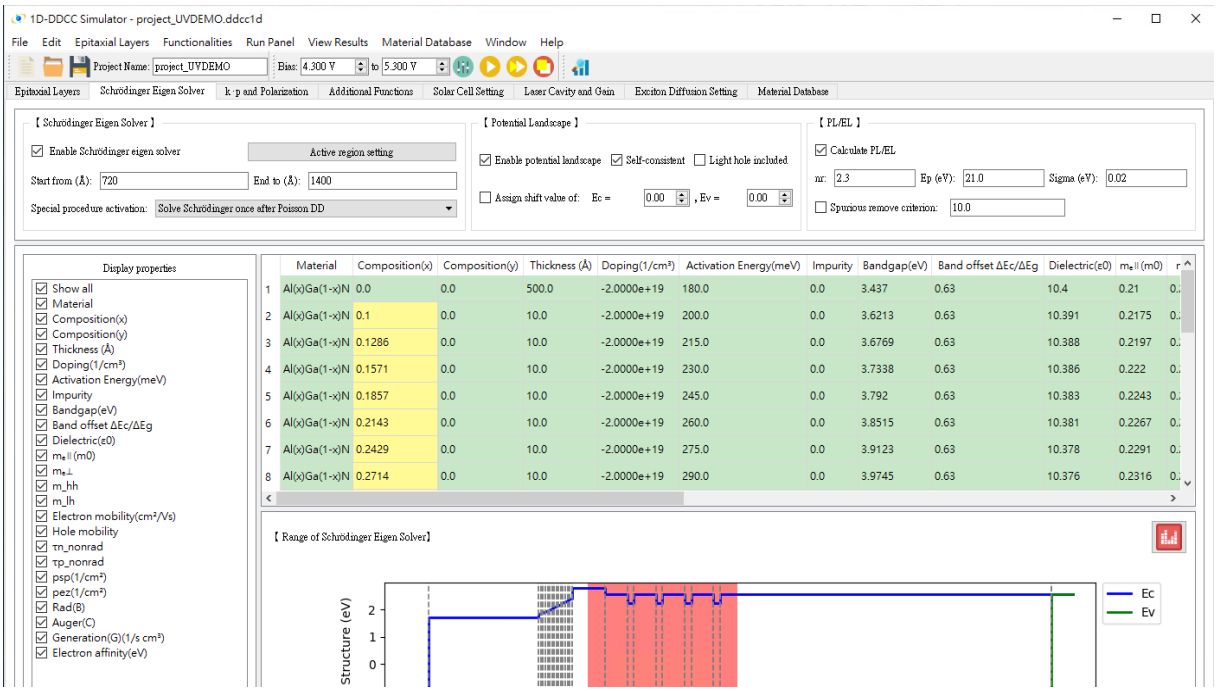
Below are the sample screenshots of the GUI software which I developed.

(1D) TCAD Software Demo

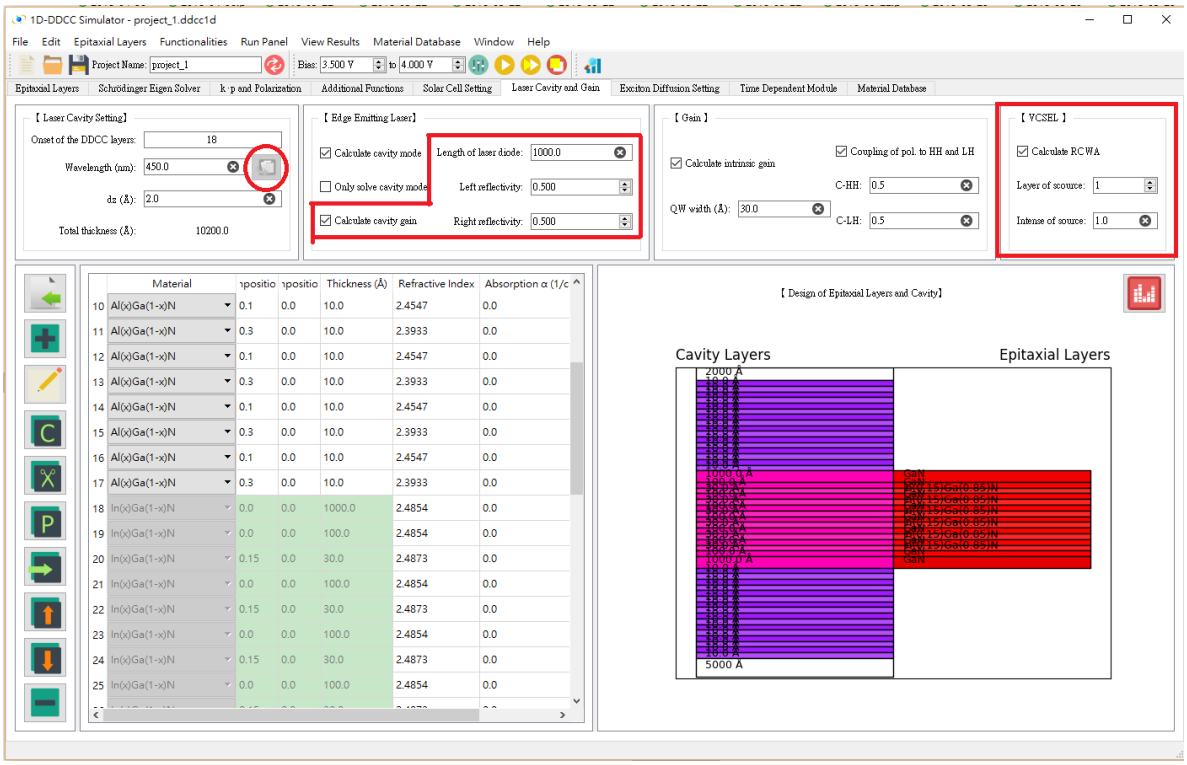
1. Tab of epitaxial layers setting



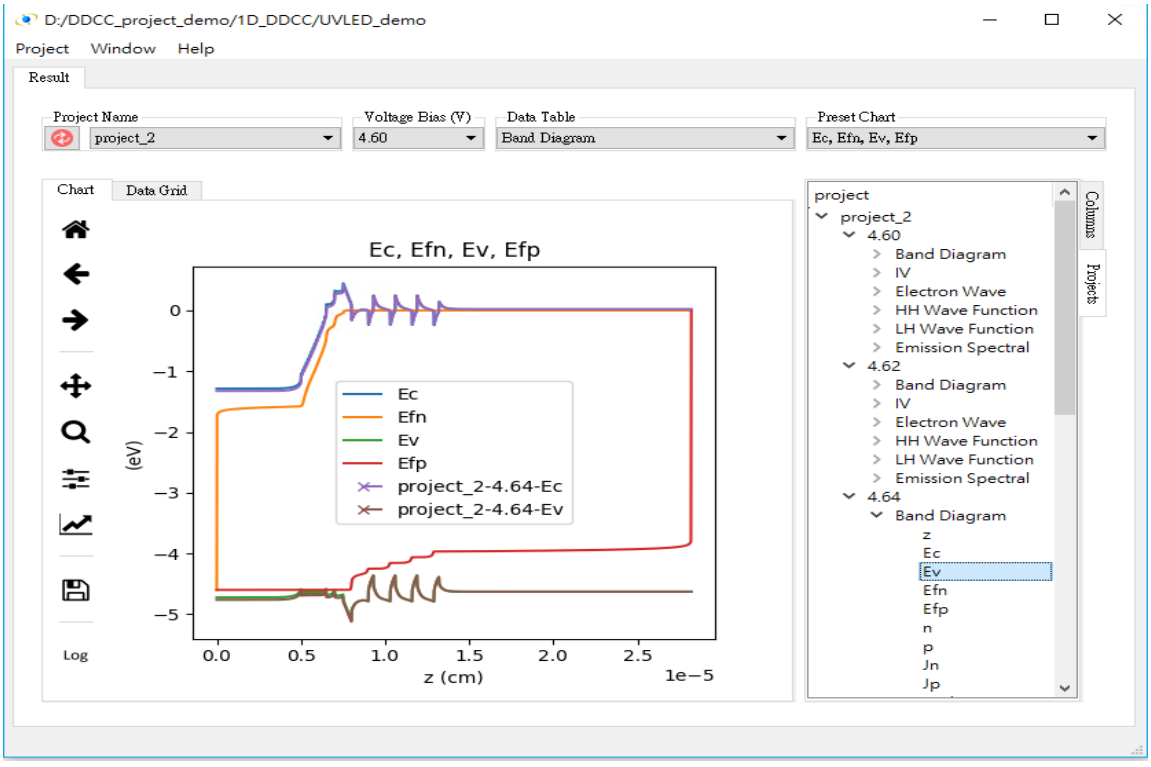
2. Tab of Schrodinger solver setting



3. Tab of laser cavity simulation

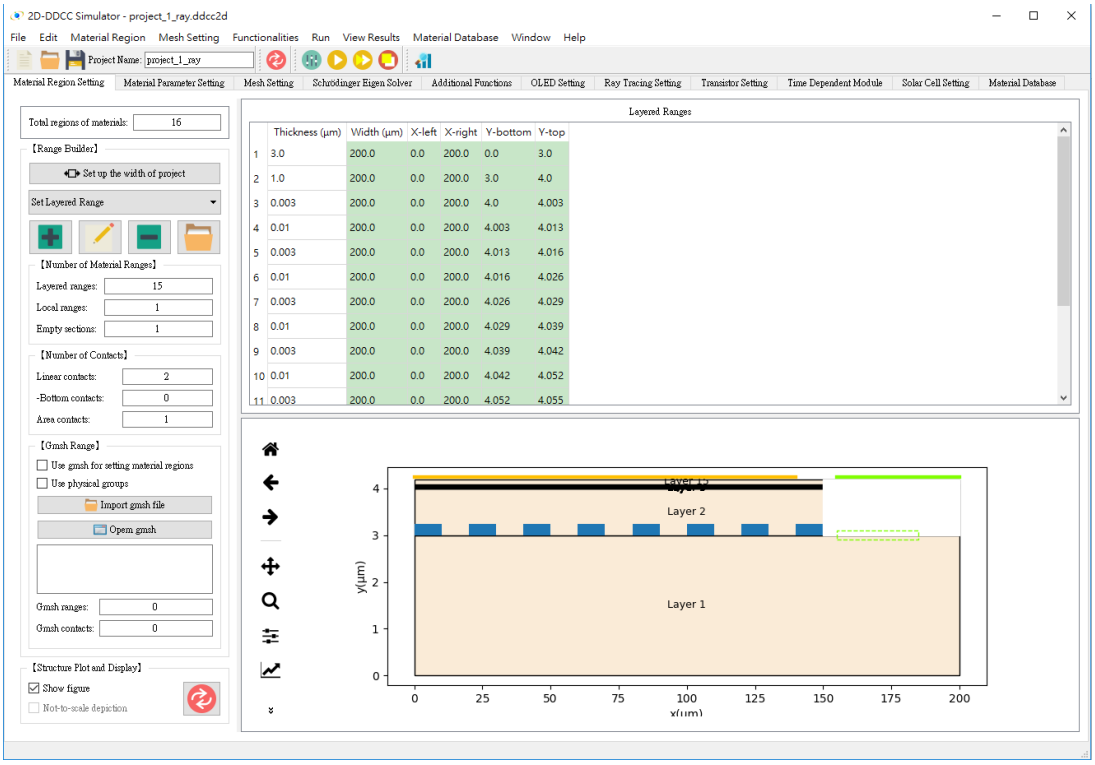


4. Result visualizer for 1D simulations

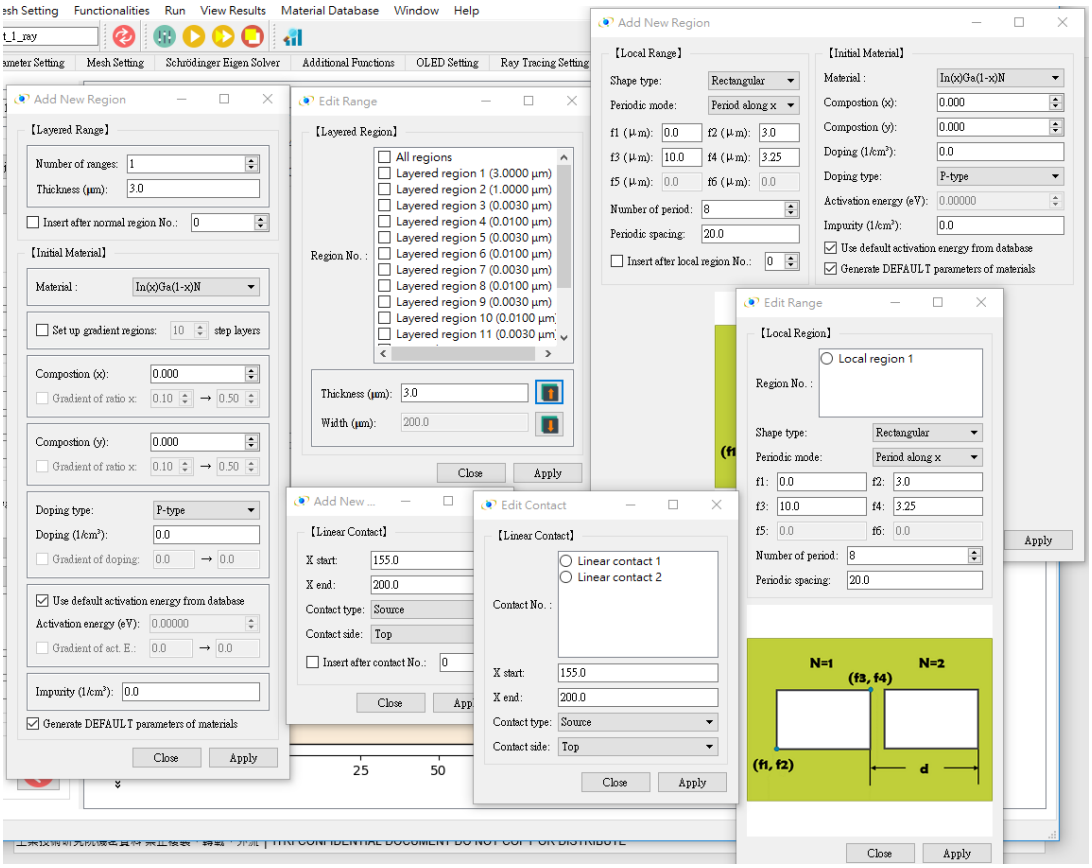


(2D) TCAD Software Demo

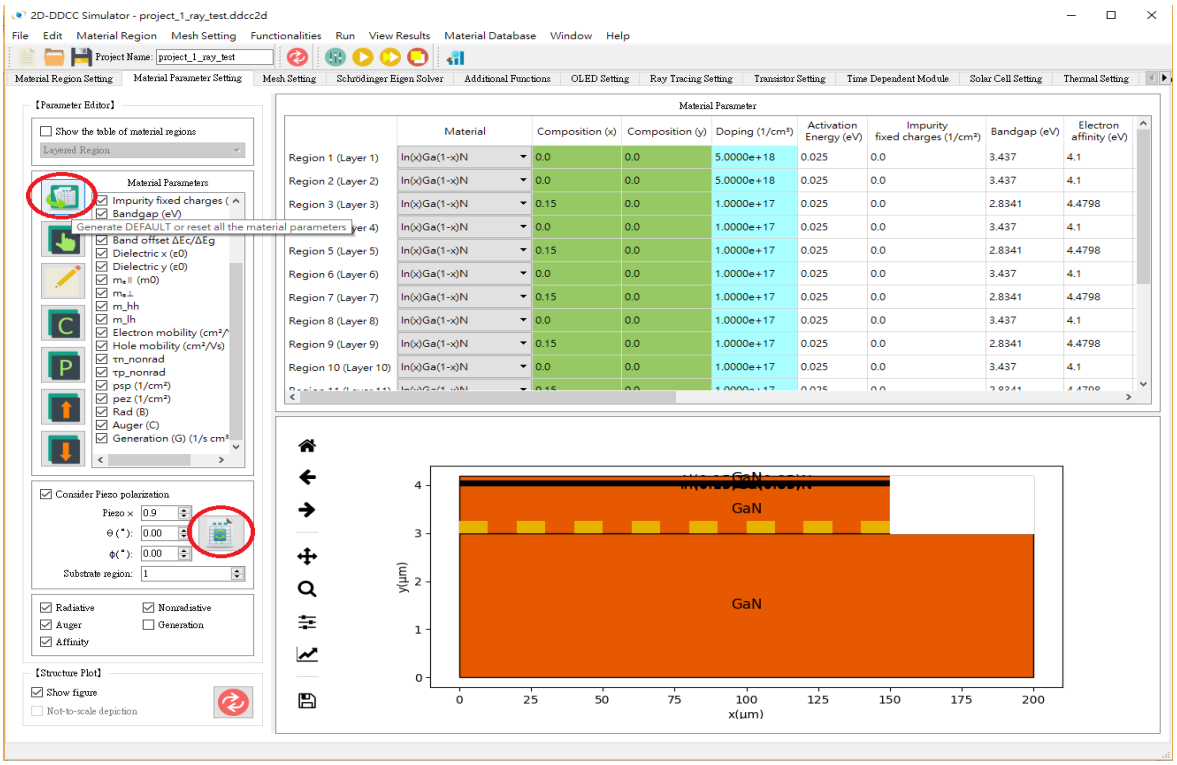
1. Tab of region setting (geometric definitions)



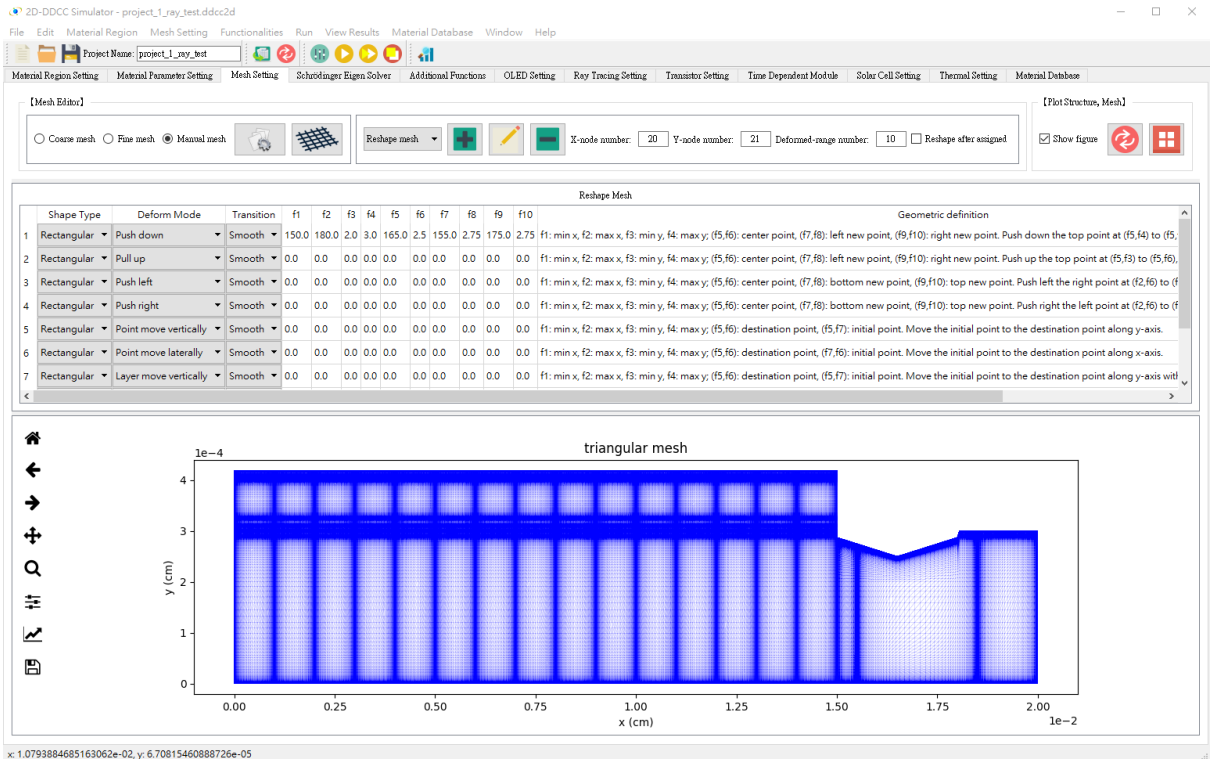
2. Setting dialogs



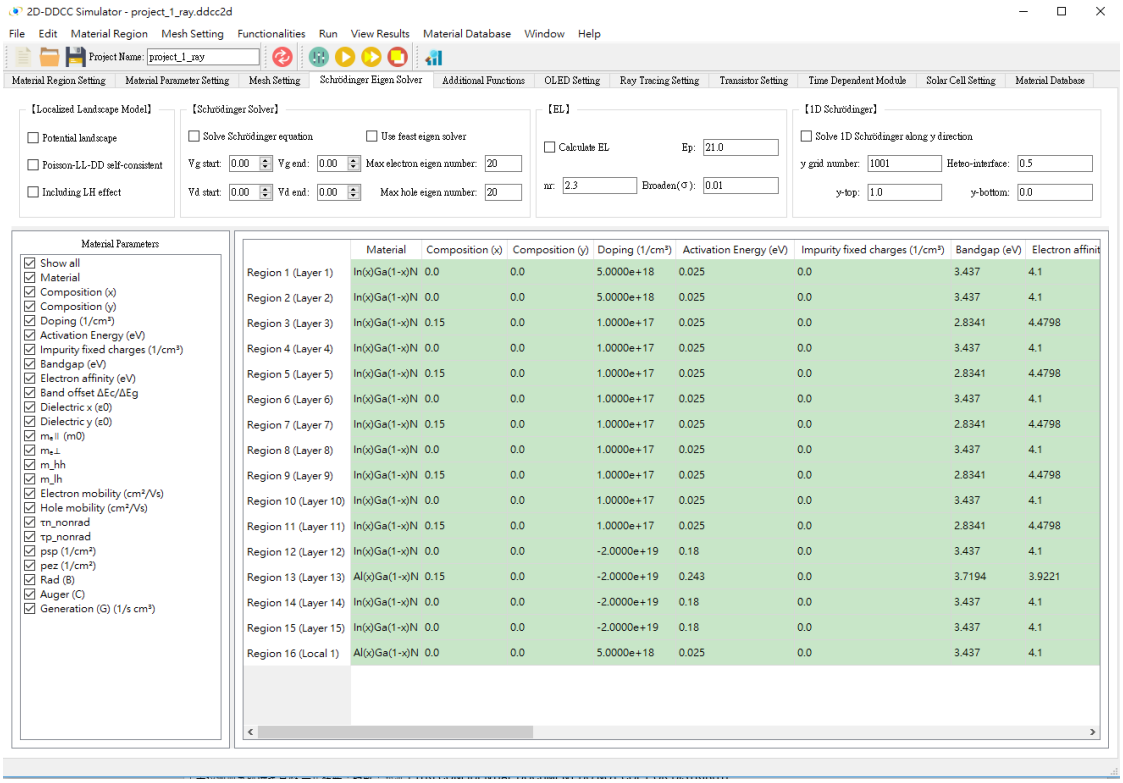
3. Tab of material setting (material parameters)



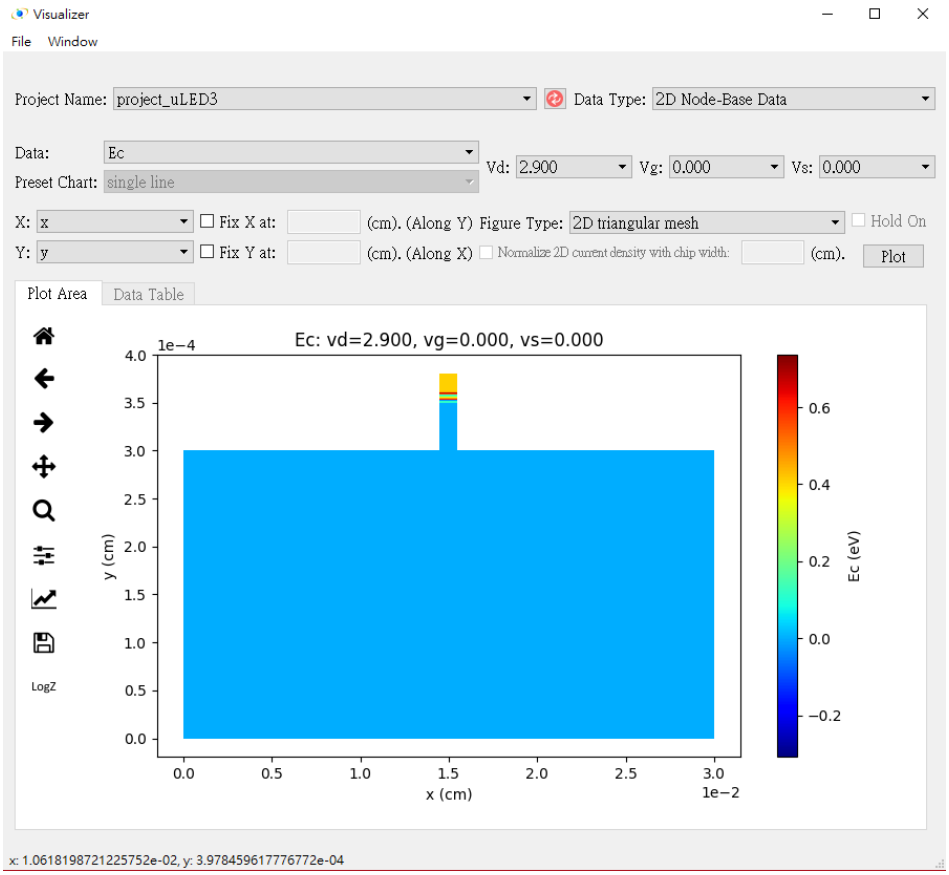
4. Tab of mesh setting (automatically generating mesh)



5. Tab of Schrodinger solver

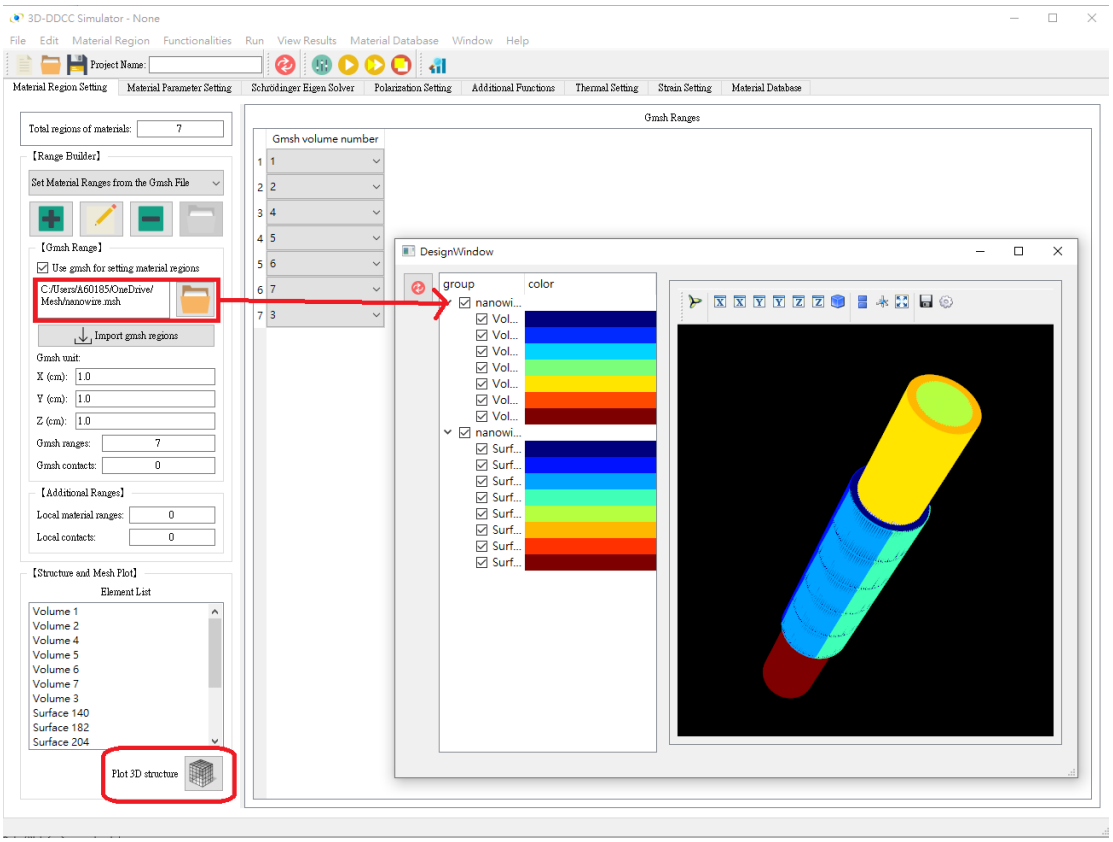


6. Result visualizer

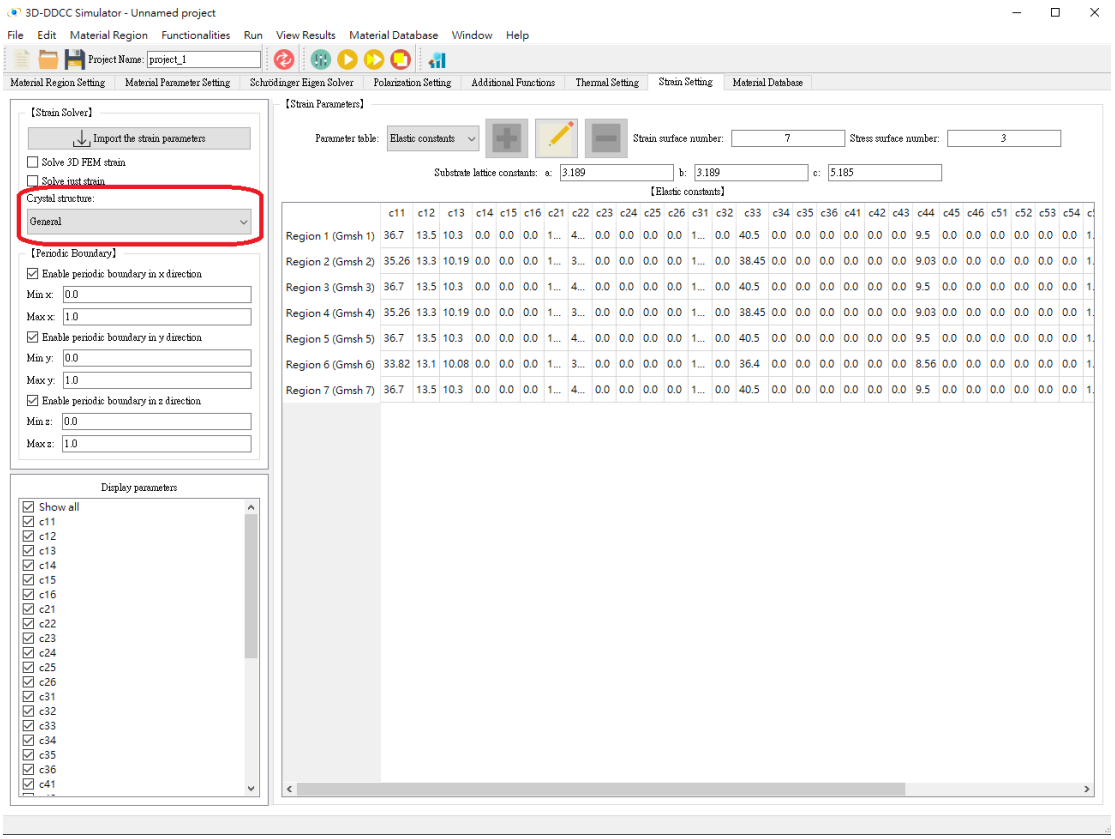


(3D) TCAD Software Demo

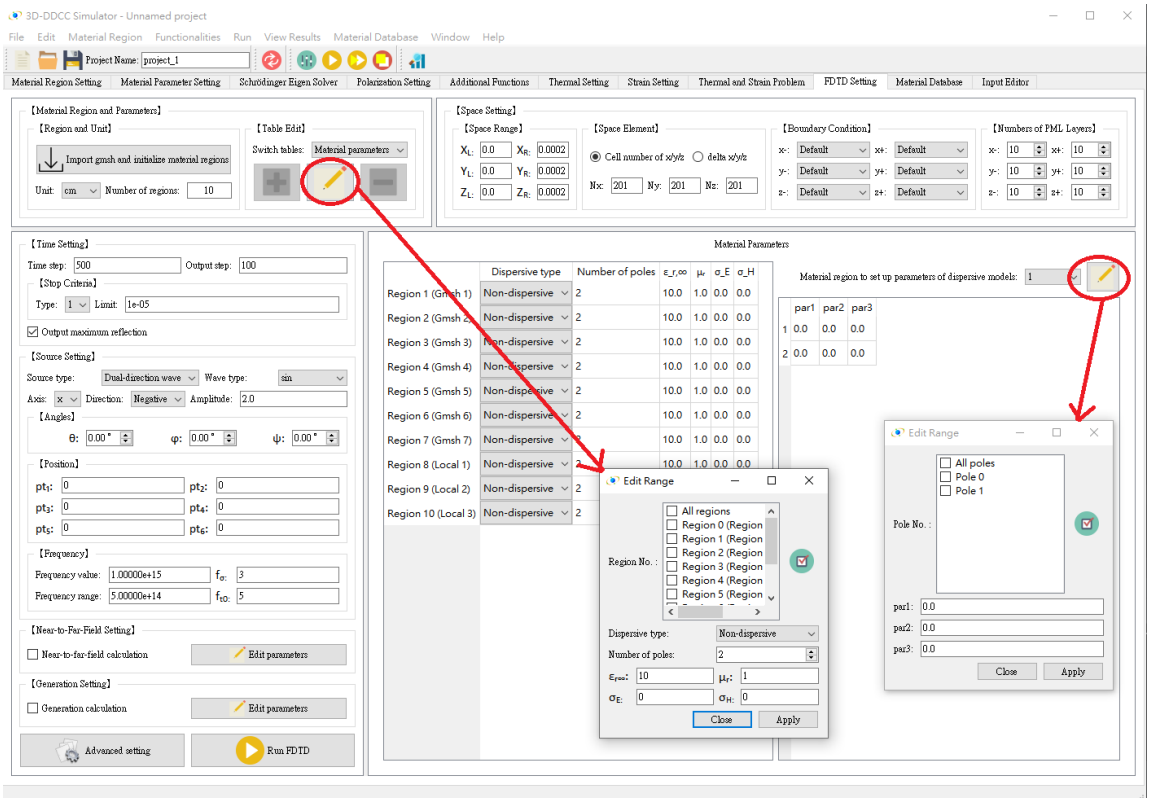
1. Tab of (gmsh) region setting and demonstration



2. Tab of setting strain solver



3. Tab of setting FDTD simulation



4. Integrated result visualizer for 3D