



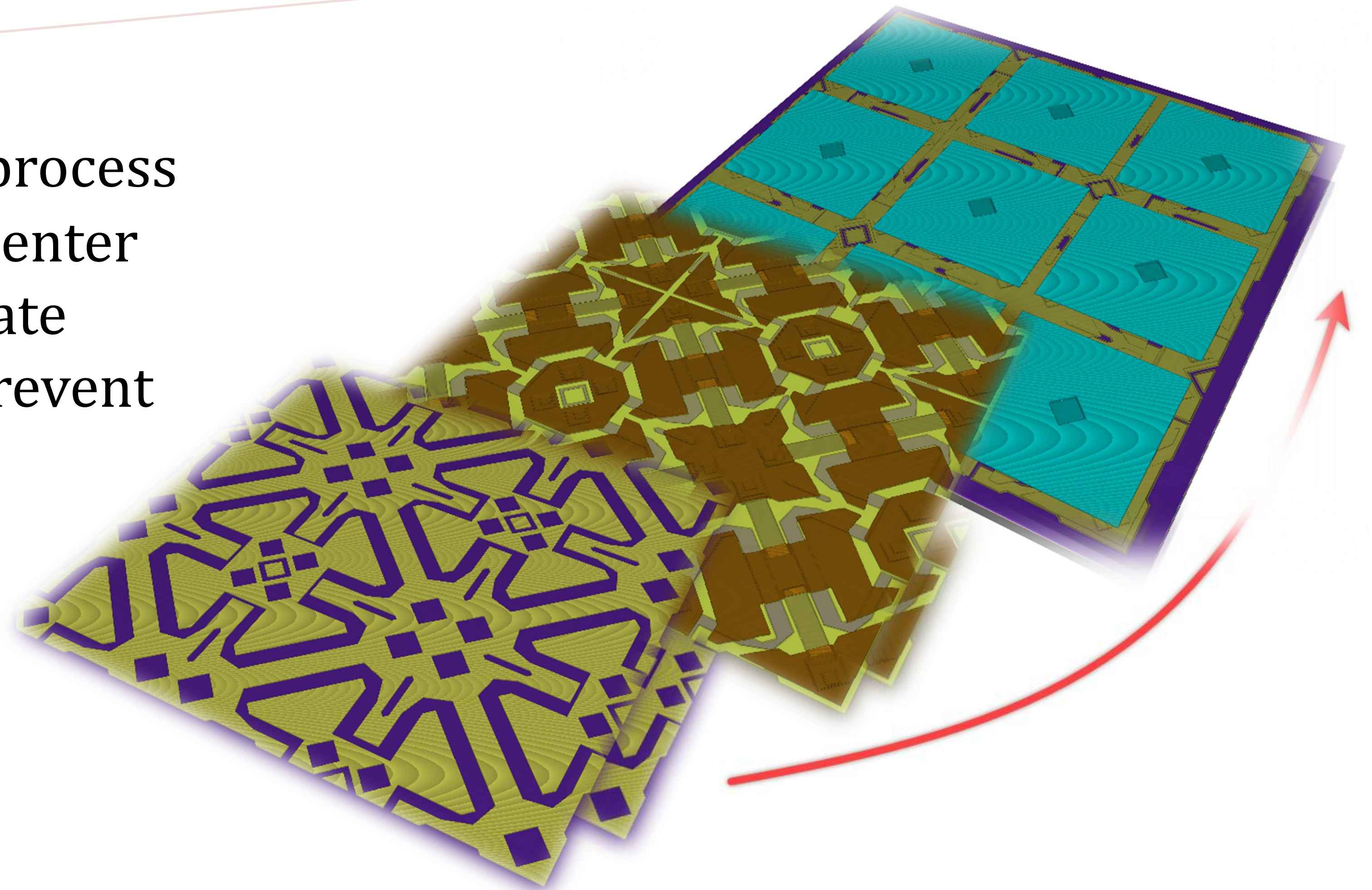
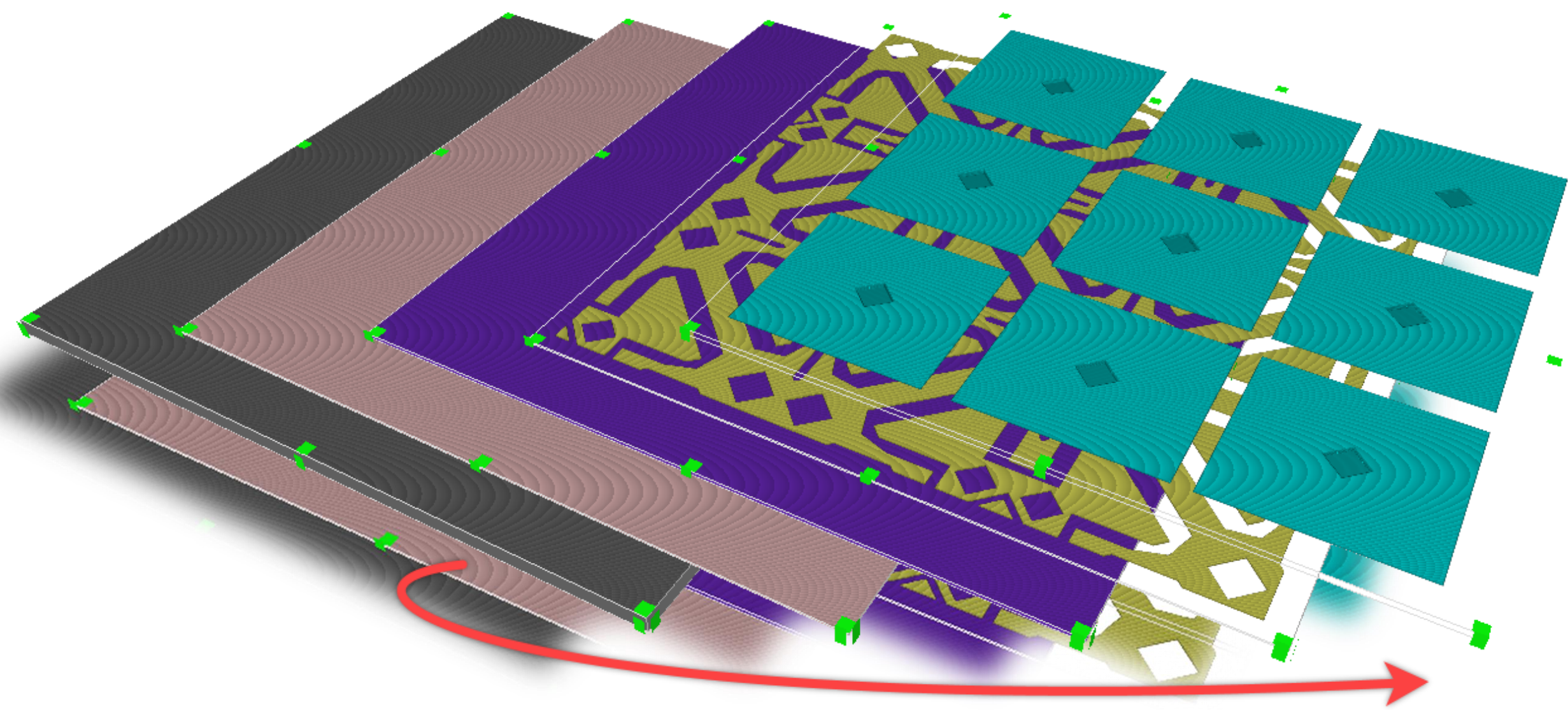
Process Simulation Tools



IntelliSense



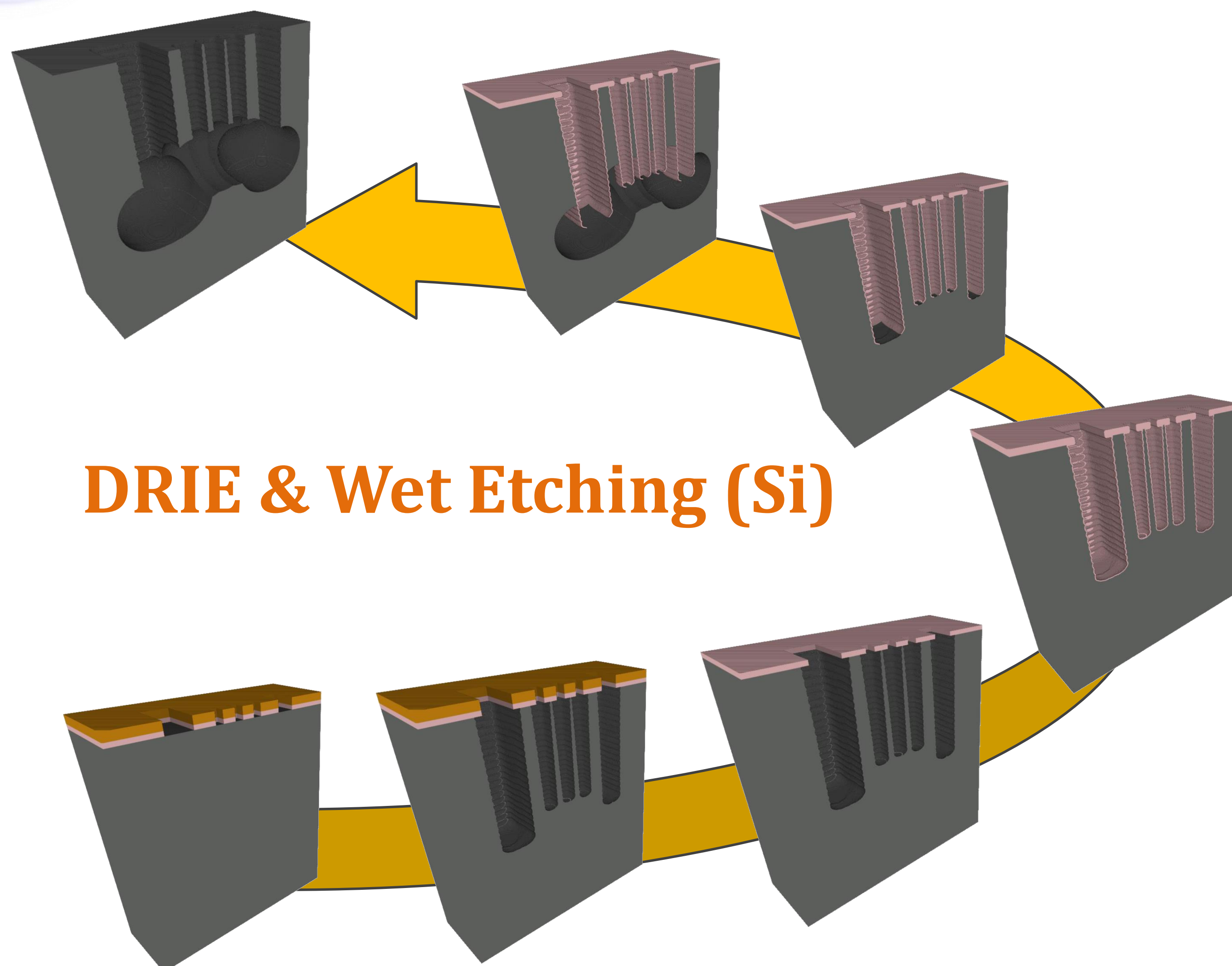
IntelliFab: Allows you to debug your process flow and your mask set before you even enter to the clean room. It enables you to create realistic virtual prototypes, which can prevent costly fabrication mistake.



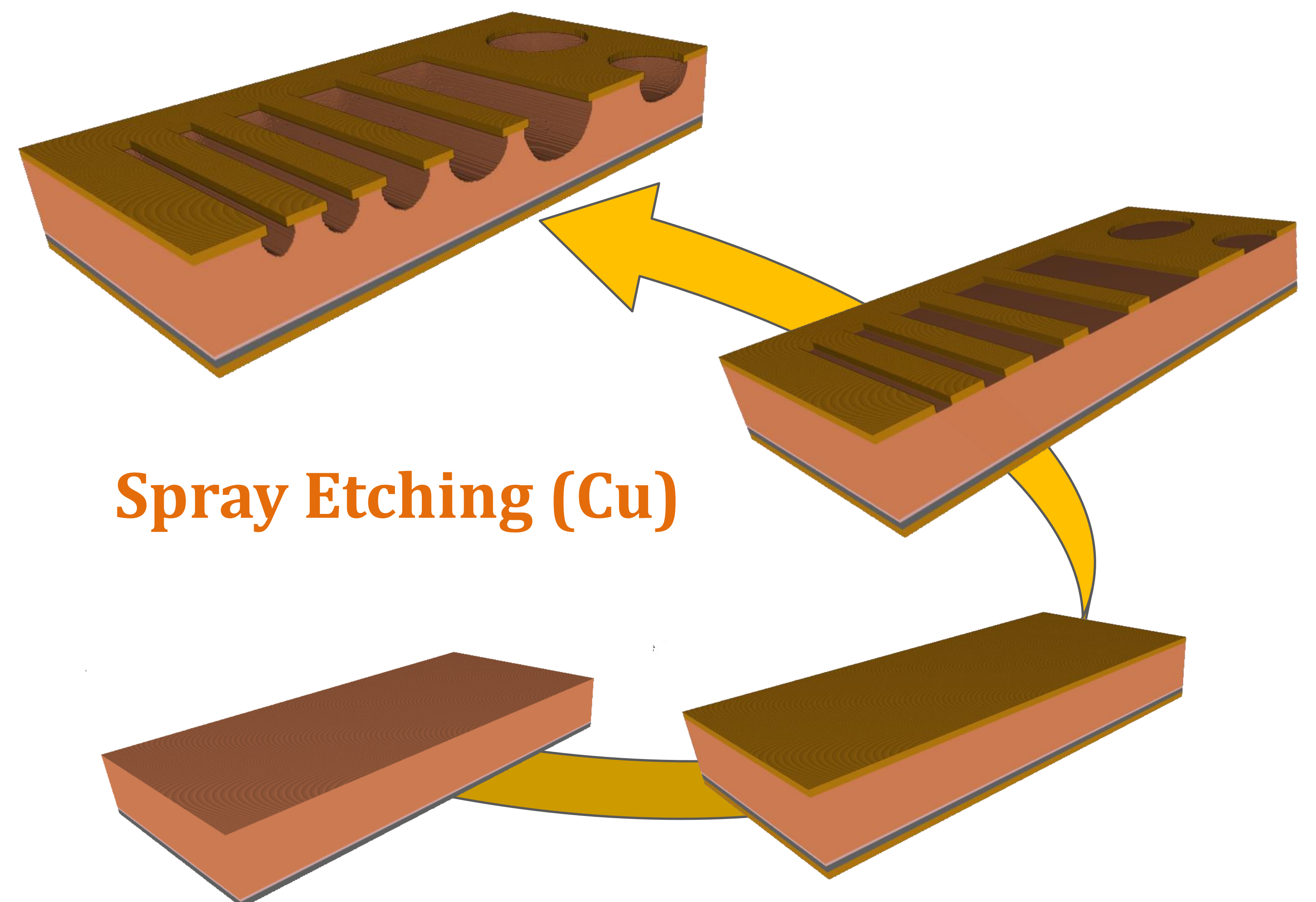
FabSim™: enables users to quickly create realistic process models and cross-sections using full physical simulation, rather than traditional geometrical methods.



Physical process simulation of DRIE, Wet Etching, Spray Etching (Si, Cu)

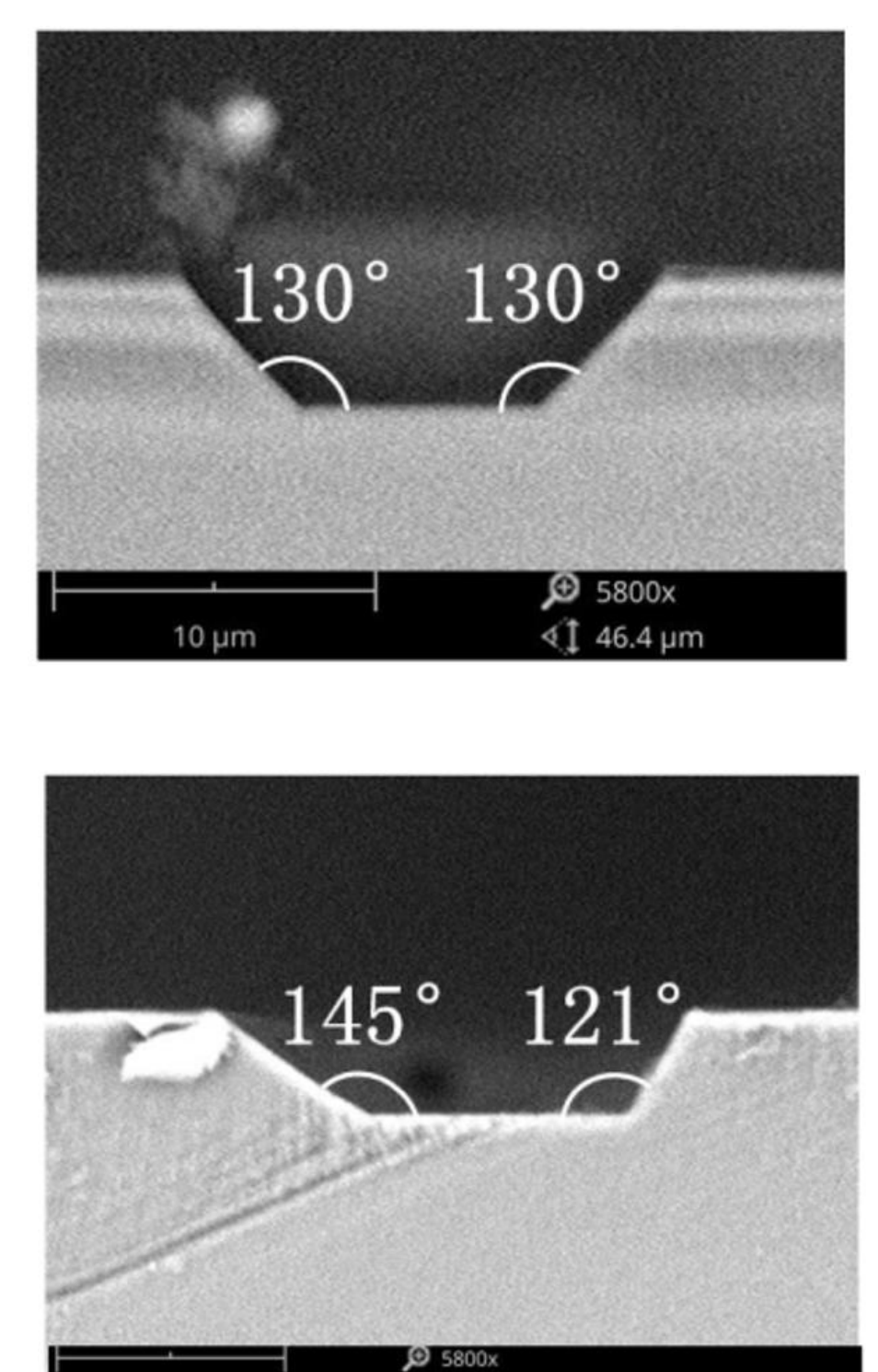
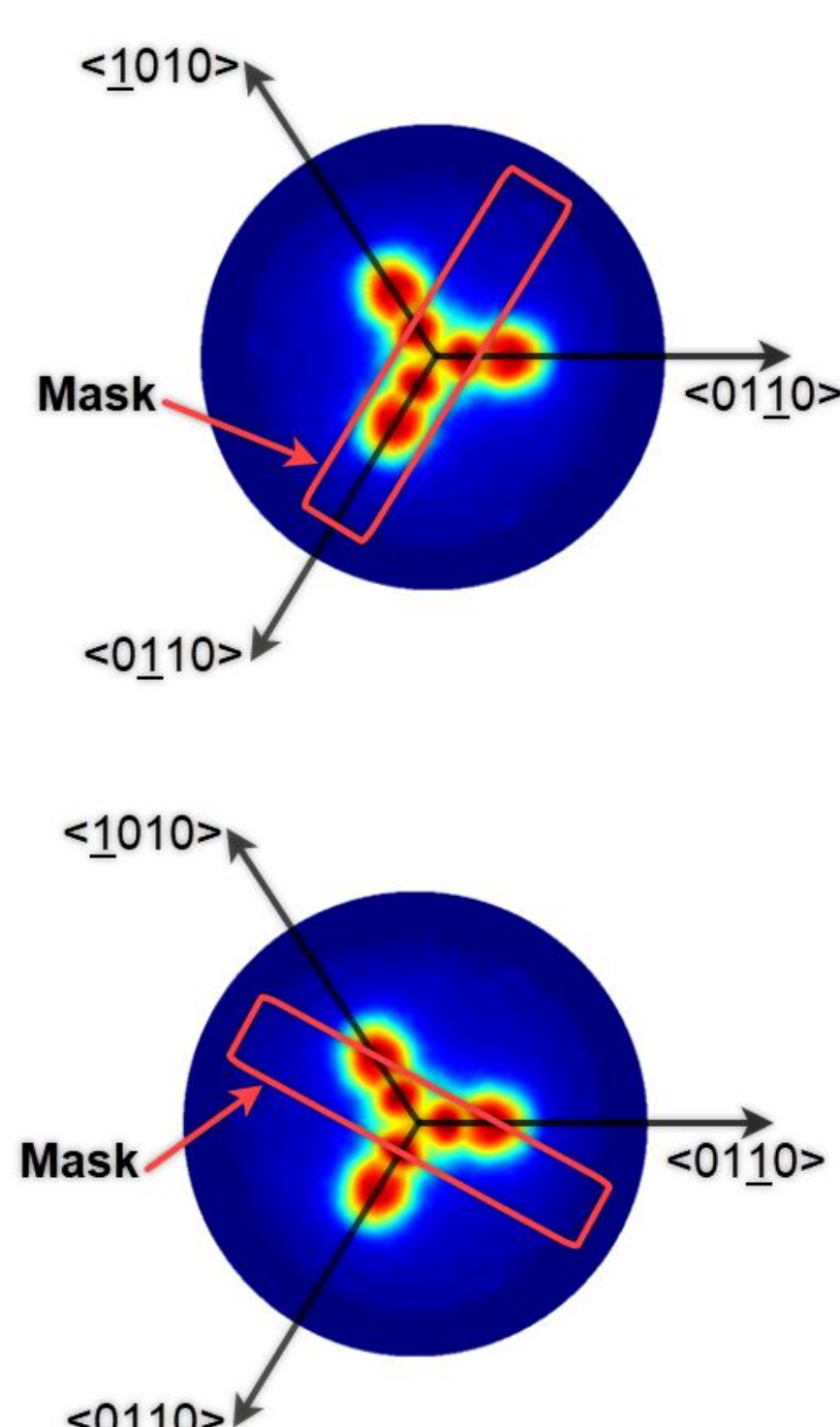
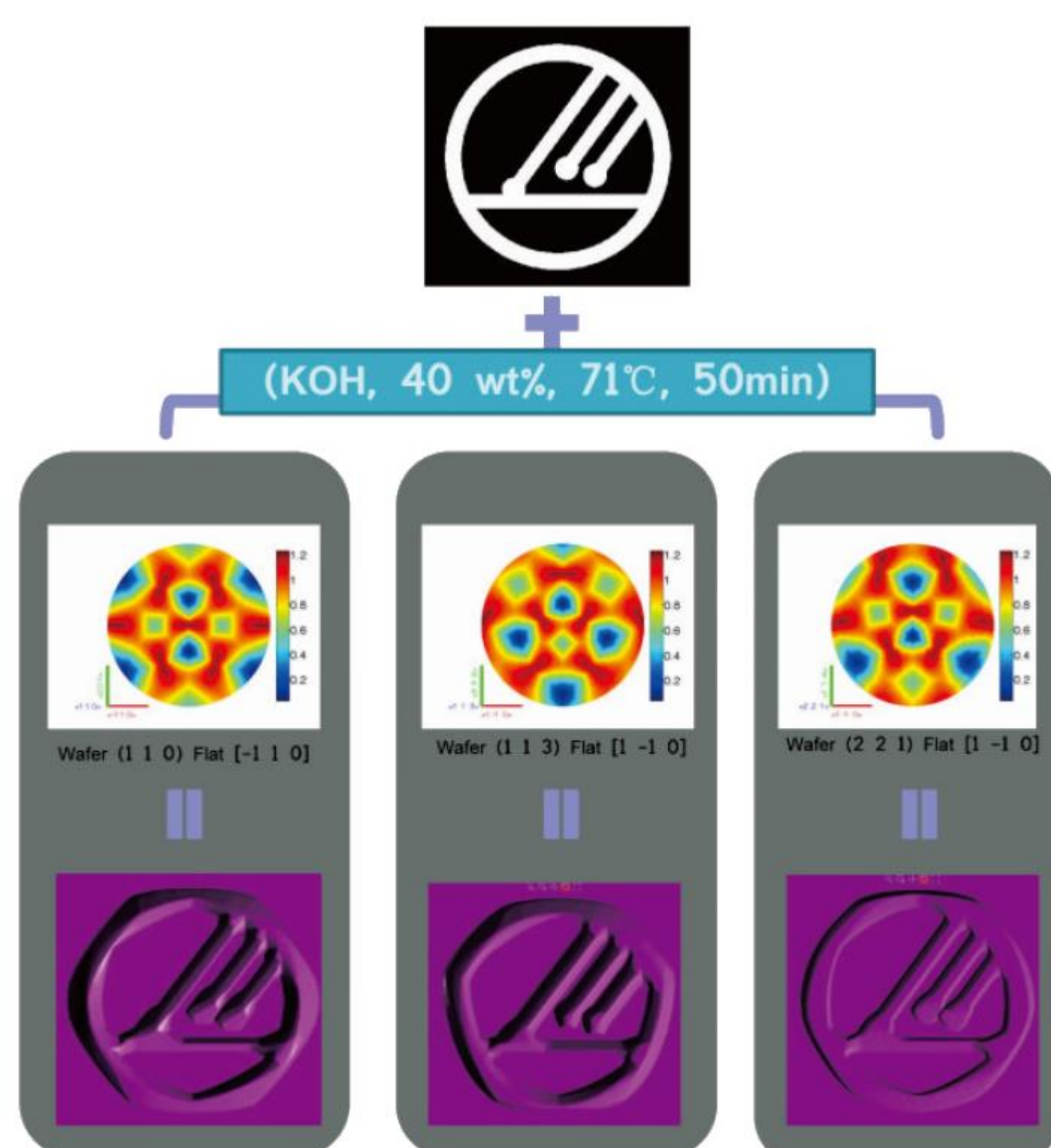
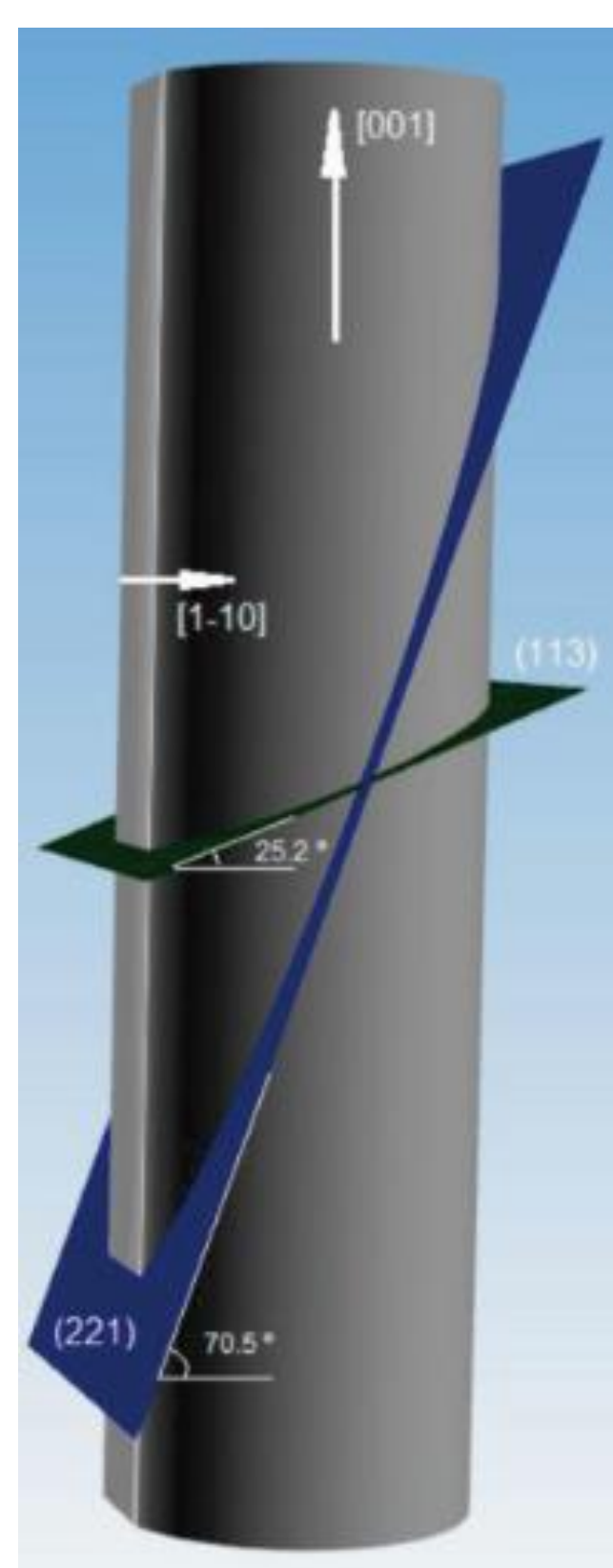


DRIE & Wet Etching (Si)



Spray Etching (Cu)

Simulation and experimental results of Sapphire (Al_2O_3)



Experimental condition

- Orientation of wafer $\langle 0001 \rangle$, temperature: 236 C°, time 180 minutes.
- Mixture of 98%wt sulfuric acid and 86%wt phosphoric acid (3:1 by volume).

High index surface etch