

## Semiconductor engineers:

Do you need to simulate charge/heat/spin transport?

Do you need to simulate large/extended systems but need quantum features?

Have you heard of “NEGF” and quantum transport but are not comfortable using it?

## Consider registering for Application Oriented Computational Nanotechnology Part 1

<https://engineering.purdue.edu/ECE/Academics/Undergraduates/UGO/CourseInfo/courseInfo?courseid=848&show=true&type=grad>

You get a hands-on introduction into quantum transport

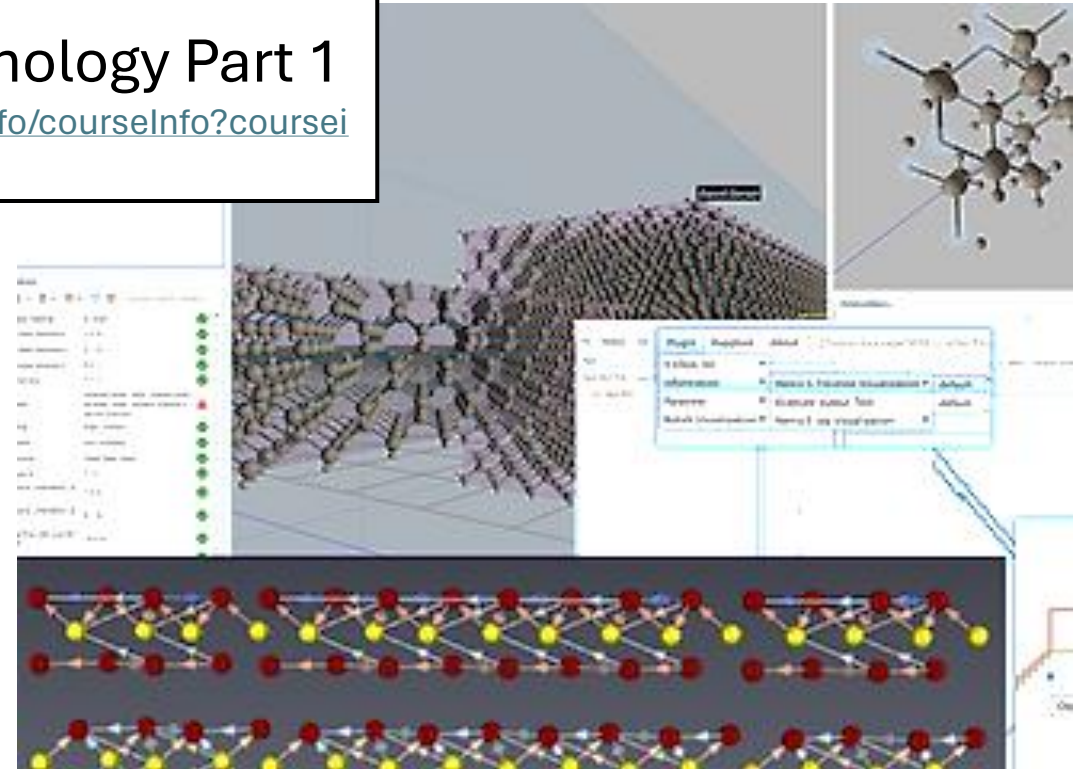
Learn

...how to validate your QM simulation setups

...how to interpret results

...how to identify numerical artifacts

...how to code it yourself



Get confident in the most powerful quantum mechanics tool of semiconductor industry

## NEGF is applicable to

Quantum mechanics in real world environments

Equilibrium and nonequilibrium settings

Regular and irregular systems

Charge, spin, heat, light, etc.