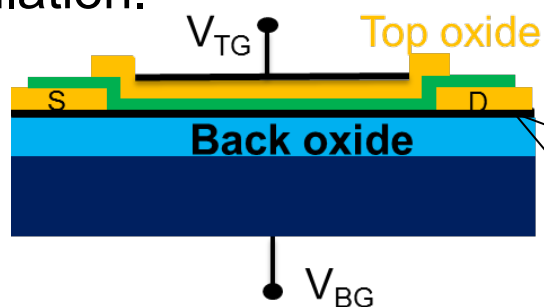


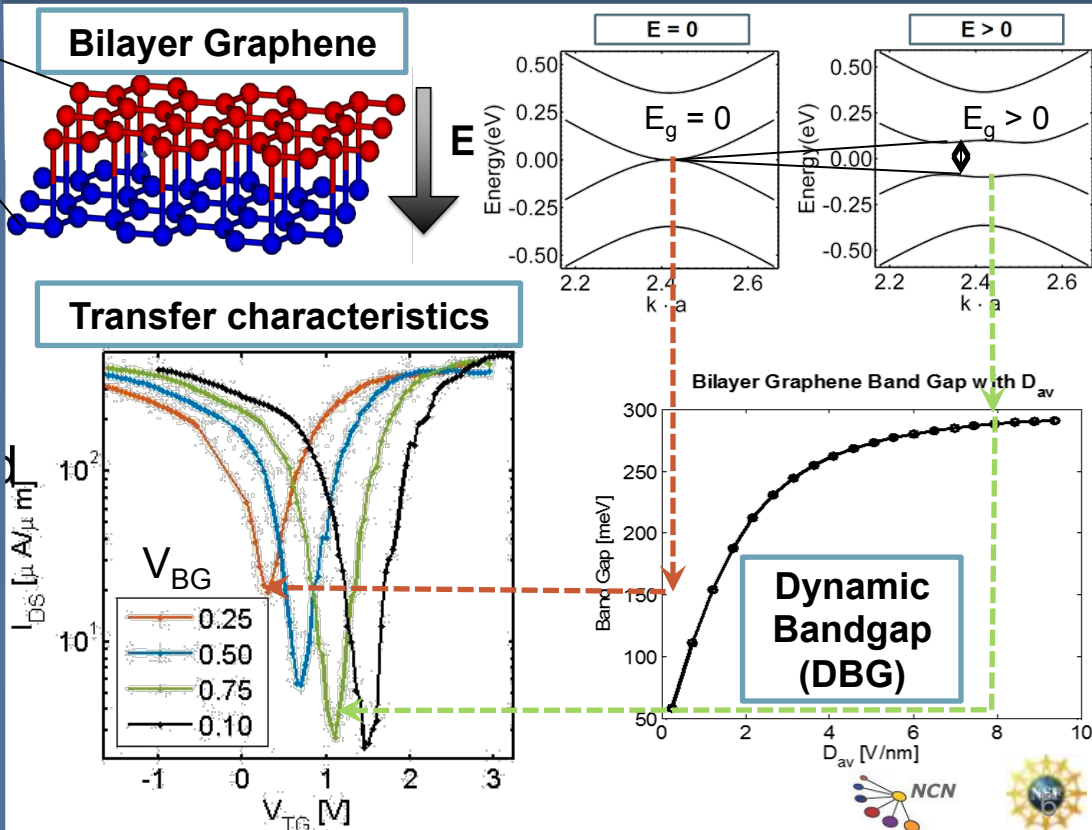
Objective:

Understand and improve the performance of bilayer graphene based transistors through simulation.



Results / Impact:

- Observing the dynamic band gap (DBG)
- Investigation of transport in BLG with different vertical electric field
- Studied the effect of chemical doping, gate length on the performance of the device.



Future work:

- Investigate how different device design parameters affect IV
- Study strain, twister induced band gap opening
- Design a higher I_{ON}/I_{OFF} device based on strain or twister