FACTULY MENTOR
Taur, Yuan

PROJECT TITLE
Modeling of MOSFET output conductance in the saturation region

PROJECT DESCRIPTION
This project involves matlab coding of a MOSFET model incorporating physical effects in the saturation region. It is beyond the gradual channel approximation adopted in most textbooks. Also considered is the short-channel effect on the output conductance in saturation, or drain induced barrier lowering.

INTERNS NEEDED
Two BS students

PREREQUISITES
ECE35, ECE65