

# Submitting the design

Each student needs to submit layout for his/her top level design. The layouts from all the students will be placed in a padframe before submission to MOSIS. We will use the format known as GDS for final submission. Here is the procedure for exporting your layout in GDS format.

- 1) Copy your top level cell to a new cell (The name should be FirstnameLastname).
- 2) In the CIW (the main icfb window), click on File-Export-Stream... In the form, fill in the "Library name", the "Top cell name", "view name", and "output file name". For the file name, use FirstnameLastname.gds. Before clicking ok, click on the options button and turn on the option "Convert Pcells to Geometry". Click on OK on both forms. If you see the message that stream out completed with 3 warnings or less, your layout has been successfully exported.

To be on the safe side, we will verify that the exported file is correct. Here are the steps.

- 1) Create a new library and attach it to the AMI 0.6u process.
  - 2) In the CIW (the main icfb window), click on File-Import-Stream... Fill the fields for "Input file" and the "Library name" fields. Use the FirstnameLastname.gds and the new library you just created for these fields, respectively.
  - 3) When the import is complete, open the layout in the new library, extract it, and run LVS with the schematic from the original library. If they pass, your file FirstnameLastname.gds is correct.
  - 4) E-mail your file to saqib@iastate.edu
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