

## **Syllabus L-Edit/SoftMEMS Training**

**Day 1:** L-Edit/SoftMEMS (Intro), 3D modeling and links to FEM.

**Day 2:** Working with Tech files, run submission Info, running DRC

### **Day 1: L-Edit/SoftMEMS Training**

#### **Part I: L-Edit**

1. How to Start L-Edit
2. L-Edit UI
3. Customizing your environment
4. Grids, Precision
5. Layers and Masks
6. Drawing/Editing
7. Cells and Hierarchy
8. Instancing Tcells
9. How to start a new design
10. How to attach to a technology reference
11. How to work with libraries
12. How to work with design kits
13. How to do Boolean operations on objects
14. Base points
15. Object Snapping
16. Alignment Functions
17. Tips, Useful commands
18. Find
19. Rulers
20. Curves
21. Wires
22. Helpful Macros
23. Cell Operations

#### **Part II: 3D modeling and links to FEM**

1. Making a model from layout
2. Viewing a model
3. Manipulating a model
4. Output to FEM

## **Day 2: Working with Technology Files:**

1. PMUT Technology Review
2. PMUT Tech Files for L-Edit
3. Loading the PDK or Technology Files.
4. PMUT Design Layers and Grids
5. GDS II Stream out
6. GDS II Stream in
7. GDS In/Out with generic Design Kit
8. DRC Rules
9. Running DRC
10. Fixing DRC errors
11. The Example Design
12. Best Design practices
13. 3D models of the PMUT Device and SoftMEMS.
14. Links to COMSOL, OnScale
15. PDK Reference documentation
16. Run Overview from CMC
17. Q and A