

**Introduction to Microelectronics Fabrication Training**  
**(2 days Training Contents)**

Dates	Contents
Day 1	Introduction and briefing
	Semiconductor Manufacturing Processes - Theory <ul style="list-style-type: none"> <li>- Introduction to Design Process</li> <li>- Introduction to Mask Making</li> <li>- Introduction to Fabrication – All Modules</li> <li>- Introduction to Parametric and Functional Test</li> <li>- Introduction to Packaging</li> </ul>
	Fabrication Process Flow - Theory  CMOS Front End Process <ul style="list-style-type: none"> <li>- Active</li> <li>- Well</li> <li>- Locos</li> <li>- Gate</li> <li>- Source Drain</li> </ul> CMOS Back End Process <ul style="list-style-type: none"> <li>- PMD</li> <li>- Contact</li> <li>- Metal-1</li> <li>- ILD</li> <li>- Via</li> <li>- Metal-2</li> <li>- Passivation</li> </ul>
	Q & A
Day 2	Cleanroom Protocols - Theory  Gowning and De-gowning - Practical  FAB Operations - Practical <ul style="list-style-type: none"> <li>- Wafer Handling</li> <li>- Introduction to Process Equipment</li> <li>- Process Flow/ Runcard</li> <li>- Chemical handling</li> <li>- Safety/emergency procedures</li> </ul>
	Q&A