

Lab Description

1. Approximately, how many persons work in the lab?

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2. On which components below are you working on?

- IC *Integrated Circuits (CMOS, VLSI, BiCMOS, ANALOG, etc....)*
- Assembly
 - PCB, Hybrid, MCM
 - Others? *Please give names and description:*

- Others (MEM, MMIC etc...)? *Please give names and description:*
Sensors, MEMS, Lab-on-a-chip

3. Which tools and techniques are you using:

- Physical tools

- Optical Microscopy
- SEM *Scanning electron Microscopy*
- TEM *Transmission electron Microscopy*
- STEM in SEM *Scanning transmission electron microscopy in a SEM*
- X-ray
- AFM *Atomic Force Microscopy*
- EFM *Electrostatic Force Microscopy*
- AES *Auger electron Spectroscopy*
- LSM *Laser Scan Microscopy*
- SCM *Scanning Capacitance Microscopy*
- C-AFM *Conductive AFM*
- FTIR *Fourier Transformation Infrared*
- RAMA
- SIMS *Secondary Ion Mass Spectroscopy*
- Others? *Please give names and description:*

- Electrical tools

- TDR *Time Domain Reflectometrie*
- Electrical tester
- I-V Tracer
- ESD Tester
- Others? *Please give names and description:*

- Fault isolation / Defect localization

- PEM *Photo Emission Microscopy*
- SAM *Acoustic Microscopy*
- MM *Magnetic Microscopy*
- TLS *Thermal Laser Stimulation tool:(OBRICH, TIVA, SEI, SDL)*
- PLS *Photo electric Laser Stimulation tool:(OBRICH, LIVA, LADA)*
- Others? *Please give names and description:*

- Sample prep
 - FIB *Focus Ion beam*
 - Jet etch
 - Wet etch
 - Dry etch *plasma delayering*
 - Parallel Polishing
 - Backside sample prep. tools
 - Others? *Please give names and description:*

- Circuit edit
 - FIB *Focus Ion beam*
 - Laser
 - Others? *Please give names and description:*

- Probing tools
 - LVP *Laser Voltage Probe*
 - Mechanical Probe (*micro, nano*)
 - E-Beam tester
 - Others? *Please give names and description:*

4. Main fields of Study?

Electron Microscopy services & consulting

5. Do you propose services?

- No
 Yes

6. Are you interested in being involved in common R&D projects?

- No
 Yes

7. General lab contact information:

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8. Comments or suggestions: