

## Lab Description

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

4

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:*

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?

Circuit Edit, Materials Science, NanoEngineering

## 5. Do you propose services?

- No  
 Yes

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

- No  
 Yes

## 7. General lab contact information:

Company / Institute name: NanoScope Services Ltd

Contact name: Alan Miller

Address: No 30 Station Road Workshops  
 Kingswood  
 Bristol BS15 4PJ

Country: UK

Phone: +44 117 9576225

Fax: +44 117 9568776

E-Mail: alan.miller@nanoscopeservices.com

Website: www.nanoscopeservices.com

8. Comments or suggestions: