

Nanolab Equipment Responsibility List

Equipment/Task	Primary	Secondary	Area
Tousimis CP Dryer	Huynh	Joe	Clean

Equipment/Task	Primary	Secondary	Area
Parylene Coater	Huynh	Hoc	Deposition
STS Multiplex PECVD	Huynh	Tom	Deposition
Unaxis PECVD	Huynh	Tom	Deposition
NanoCamb ALD	Wilson	Max	Deposition
BMR HiDep	Huynh	Tom	Deposition

Equipment/Task	Primary	Secondary	Area
Matrix 105 Stripper	Hoc	Tom	Dry Etch
Oxford 80 RIE	Tom	Hoc	Dry Etch
STS AOE Etcher	Tom	Huynh	Dry Etch
Technics RIE	Tom	Hoc	Dry Etch
Tegal Plasma Stripper	Hoc	Huynh	Dry Etch
Unaxis DRIE	Tom	Huynh	Dry Etch
Unaxis fast DRIE DSE II	Tom	Huynh	Dry Etch
Unaxis C12 Etcher	Tom	Huynh	Dry Etch
XeF2 Etcher	Tom	Hoc	Dry Etch
Ulvac Glass Etcher	Tom	Huynh	Dry Etch
FEI Nova 600 FIB	Noah	Yu Wei	Dry Etch

Equipment/Task	Primary	Secondary	Area
Guardian Burn Box	Steve	Wilson	Facility
Sensidyne Toxic Gas Sys	Steve	Tom	Facility
DI Water	Max	Steve	Facility
Nitrogen Tank	Steve	Max	Facility
Gas Cabinets & Controls	Tom	Max	Facility
Oxygen Dewars	Max	Wilson	Facility

Equipment/Task	Primary	Secondary	Area
Logitech PM5 CMP	Huynh	Hoc	Lapping
Logitech CDP	Huynh	Hoc	Lapping
Buehler Cross-sectioner	Huynh	Joe	Lapping

Equipment/Task	Primary	Secondary	Area
CHA Mark 40 - new	Hoc	Huynh	Metals
CHA Mark 40 - old	Hoc	Huynh	Metals
CVC 601 Sputter	Hoc	Huynh	Metals
Sloan E-beam Evaporator	Hoc	Huynh	Metals
Denton Discovery	Hoc	Joe	Metals

Equipment/Task	Primary	Secondary	Area
Dektak 6/8	Joe	Max	Metrology
Dektak 150	Joe	Max	Metrology
Flexus 2320A Stress	Huynh	Hoc	Metrology
M & M Probe Station & HP4145	Hoc	Joe	Metrology
Microscopes	Max	Yuwei	Metrology

Nanolab Equipment Responsibility List

Equipment/Task	Primary	Secondary	Area
Nanospecs	Lorna	Max	Metrology
Omnimap RS-35	Hoc	Lorna	Metrology
Sci Filmtek 2000	Wilson	Huynh	Metrology
Sopra GES5 Ellipsometer	Wilson	Max	Metrology
Veeco NT3300 Optical Profiler	Joe	Max	Metrology
Denton II SEM coater	Yuwei	Hoc	Metrology

Equipment/Task	Primary	Secondary	Area
EDAX Attachment	Hoc	Noah	Nanolithography
Hitachi SEM	Yuwei	Noah/Tom	Nanolithography
Leica EBL 100	Yuwei	Da Teng	Nanolithography
Veeco AFM	Max	Wilson	Nanolithography
Nil 6 Nanostamper	Joe	Ghassan	Nanolithography

Equipment/Task	Primary	Secondary	Area
Headway Spin Coaters	Max	Ghassan	Photo
Hot Plates	Max	Ghassan	Photo
Ovens	Max	Ghassan	Photo
Suss MA6 Aligners	Steve	Tom	Photo
Suss SB6 Bonder	Huynh	Joe	Photo
Heidelberg MaskWriter	Joe	Max	Photo

Equipment/Task	Primary	Secondary	Area
ModularProcess RTA-III-V	Lorna	Wilson	Thermal Process
Modular Process RTA-Si	Lorna	Wilson	Thermal Process
Tystar 4 Stack Furnace	Lorna	Wilson	Thermal Process
Tystar Sinter/Anneal	Lorna	Wilson	Thermal Process
Tystar Hi-Temp Furnace	Tom	Lorna	Thermal Process

Equipment/Task	Primary	Secondary	Area
He Leak Detectors	Steve	Tom	Vacuum Tools
Orbital Welder	Tom	Wilson	Vacuum Tools

Equipment/Task	Primary	Secondary	Area
Fume Hoods-4 other	Max	Hoc	Wet Process
PFC Fume Hood	Lorna	Wilson	Wet Process
Porous Si Etcher	Joe	NA	Wet Process
Yellow Room Fumehoods	Max	Wilson	Wet Process
Chemical Waste Collect	Max	Wilson	Wet Process

Equipment/Task	Primary	Secondary	Area
Acctng sys & Invoicing	Jamie	Mo	Office
Interlock System	Tom	Mo	Office
Orientation/Badging	Max	Lorna	Office
Office Computers	Mo/Ian	Ian	Office
Inventory/orders etc.	Jamie	Students	Office
Garments	Jamie	Students	Office

CNSI Equipment Responsibility List

Equipment/Task	Primary	Secondary	Area
Vistec EBPG 5000	Yuwei	Da Teng/Ghassan	Litho
Suss MA 6	Ghassan	Da Teng	Litho
Headway Spinners	Krissy	Ghassan	Litho
Wet Hoods (3)	Lorna	Tony	Litho
SP 100 Maskless Litho	Ghassan	Da Teng	Litho
Bake Oven/Hot Plates	Krissy	Brian	Litho
Track Coater	Ghassan	Da Teng	Litho
Rinse/Dryers	Tony W	Lorna	Litho
ASML Stepper	Ghassan	Da Teng	Litho
Vapor Prime Oven	Tony	Ghassan	Litho

Equipment/Task	Primary	Secondary	Area
CHA Solution	Hoc	NMH	Metals
Ulvac Sputterer	Hoc	NMH/Joe	Metals
Fume Hood	Hoc	NMH	Metals
Omnimap 4 Point Probe	Hoc	NMH	Metals

Equipment/Task	Primary	Secondary	Area
Oxford 80 RIE	Da	Tom	Dry Etch
Tegal 915 Plasma Stripper	Tony	Hoc	Dry Etch
Ulvac Metal Etcher	Tom	Huynh	Dry Etch
Matrix 105 Stripper	Tony	Hoc	Dry Etch

Equipment/Task	Primary	Secondary	Area
Tousimis CP Dryer	Huynh	Joe	Clean

Equipment/Task	Primary	Secondary	Area
Parylene Coater	Huynh	Joe	Deposition

Equipment/Task	Primary	Secondary	Area
Dektak 150	NMH	Tony	Metrology
Microscopes	Brian	Ghassan	Metrology
Nanospecs	Lorna	Tony	Metrology
Sopra GES5 Ellipsometer	Wilson	Lorna	Metrology
JEOL 7500 SEM	Yuwei	Noah	Metrology
Veeco Innova AFM	Max	Wilson	Metrology
FTIR	Lorna	Joe	Metrology
Probe Station/HP 4155C	Hoc	NMH	Metrology
Goniometer	Ghassan	Joe	Metrology
Denton SEM Sputter	Yuwei	NMH	Metrology

CNSI Equipment Responsibility List

Equipment/Task	Primary	Secondary	Area
Modular Process 650	Lorna	Wilson	Thermal Process
Tystar 3 Stack Ox Furnace	Lorna	Tony	Thermal Process

Equipment/Task	Primary	Secondary	Area
Data Collection	Adriane	Krissy/Brian	Admin
Web Site/Email	Noah/Mo	Brian	Admin
Interlock System	Brian	Mo	Admin
Orientations	Brian, Lorna, Steve		
DI Water	Tony	Lorna	Facilities
Nitrogen	Tony	Ghassan	Facilities
Waste Neutralization	Tony	Lorna	Facilities
Air Handlers, Temp, RH	Tony	Ghassan	Facilities
Burnbox	Tony	Tom	Facilities
Gas Cabinets	Tom	Tony	Facilities
Toxic Gas System	Steve	Tony	Facilities

NMH=New Metal Hire