

MNTL Cleanroom Equipment Engineer Contact List

Anyone with questions or problems with the laboratory equipment listed below should contact the person listed below. Users must be "checked out" by the engineer before using any tool without supervision.

Lab 205 -- E-Beam Lithography

JEOL E-beam System Edmond Chow

Lab 230 --

Oxford Chlorine ICP RIE Lavendra Mandyam

Lab 209 -- Deposition Lab

Cooke E-Beam Evaporator Edmond Chow
Cooke Thermal Evaporator Edmond Chow
Cooke PVD Yaguang Lian
CHA Evaporator Edmond Chow
Lesker Sputter System Mark McCollum
Denton Optical Coater Mark McCollum

Lab 232 -- PECVD/LPCVD Lab

PlasmaLab PECVD System Yaguang Lian
PlasmaLab RIE System ("Freon RIE") Yaguang Lian
FirstNano LPCVD System Mark McCollum
Trion PECVD System Lavendra Mandyam
Cambridge NanoTech ALD System Edmond Chow

Lab 211 -- Optical Lithography Lab

EVG Mask Aligner Yaguang Lian
Karl Suss Mask Aligners Yaguang Lian
Headway Spinners Yaguang Lian
Diener Plasma Descum System Yaguang Lian

Lab 237 --

Oxidation/Diffusion/Annealing

Oxidation/Diffusion/Anneal Furnaces Lavendra Mandyam
PDS Parylene Deposition System Lavendra Mandyam
FSM Film Stress Measurement System Yaguang Lian
Jipelec Rapid Thermal Processor Yaguang Lian
AG Heatpulse 610 RTP Yaguang Lian
Xactix XeF2 Etching System Yaguang Lian
Tousimis Critical Point Dryer Yaguang Lian

Lab 216 -- Dry Processing

STS ICP Deep Silicon Etch System Yaguang Lian
STS PECVD System (Silicon Nitride) Yaguang Lian
PlasmaTherm ICP RIE system Yaguang Lian
Oxford Freon ICP RIE Lavendra Mandyam

Lab 239 -- Metrology Lab

Hitachi S4800 SEM Edmond Chow
Mprobe Edmond Chow
SPI Sputter Coater Edmond Chow
Digital Instruments AFM Edmond Chow
Veeco Optical Profiler Edmond Chow
Ellipsometer Edmond Chow
Alpha-Step IQ Profilometer Edmond Chow
Four point probe Edmond Chow

Lab 222 -- CVD

Atomate Carbon Nanotube CVD Arend van der Zande

Lab 226 -- CVD

MTI CVD System Arend van der Zande
Alpha-Step IQ Profilometer Edmond Chow
Four point probe Edmond Chow

Lab 235 -- General Chemistry Lab

Chemical Usage Questions Mark McCollum
Chemical Supplies, Chemical Waste Mark Kraman
HF or Piranha Certification Lavendra Mandyam

Other:

Disco Dicing Saw (Lab 254) Mark McCollum
K&S Wire Bonder (Lab 1371) Edmond Chow

Contact Information:

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