

Hourly Use Rates for the Material Research Laboratory Facilities

Rates for Private Sector companies and researchers.

If you have any questions, please contact the MRL Business Office at 217-333-1372. Rates valid from January 1, 2017 and are subject to change by ILLINOIS per terms agreed upon in LICENSEE's usage contract.

Laser and Spectroscopy Facility			
Instrument	Technique	Self Use (\$/hr)	Staff Assisted & Training (\$/hr)
Agilent CARY 5000	Spectrophotometry	\$160	\$190
Black I-90 Laser	Laser	\$160	\$190
Custom Experiment	Custom Laser Experiment	\$160	\$190
Gaertner Ellipsometer	Ellipsometry	\$160	\$190
Inverted Materials Microscope	Optical Microscope	\$160	\$190
Lightwave Nd-YAG Laser	Laser	\$160	\$190
Low Temperature PL	Low Temperature PL	\$160	\$190
Mid-IR Twin OPA Laser Source	Laser	\$160	\$190
Nanophoton Raman 11	Raman Spectroscopy	\$160	\$190
Neaspec IR AFM	Tip Enhanced Infrared Spectroscopy	\$160	\$190
Newport Solar Simulator	Solar Simulator	\$160	\$190
Nicolet Nexus 670 FTIR	Fourier Transform Infrared Spectroscopy	\$160	\$190
OL 750 Spectroradiometer	Spectroradiometry	\$160	\$190
Quantronix YLF Laser	Laser	\$160	\$190
Raman Spectroscopy	Raman Spectroscopy	\$160	\$190
Rame-Hart Contact Angle	Contact Angle Measurements	\$160	\$190
Room Temperature PL	Photoluminescence	\$160	\$190
Time Resolved PL	Time Resolved PL	\$160	\$190
Tsunami Ti-Sapphire Laser	Laser	\$160	\$190
Tsunami Ti-Sapphire Laser 2	Laser	\$160	\$190
Two Photon Microscopy	Optical Microscopy	\$160	\$190
Varian Cary5G UV-VIS-NIR	Spectrophotometry	\$160	\$190
Witec Alpha NSOM	Near Field Scanning Optical Microscopy	\$160	\$190
Woollam VAS Ellipsometer	Spectroscopic Ellipsometry	\$160	\$190
Zeiss LSM7 Confocal	Confocal Microscope	\$160	\$190

Micro & Nano-Fabrication Facility			
Instrument	Technique	Self Use (\$/hr)	Staff Assisted & Training (\$/hr)
AJA Sputter Coater	Sputter Coater	\$160	\$190
AJA Sputter Coater 2	Sputter Coater	\$160	\$190
Atomic Layer Deposition	Atomic Layer Deposition	\$160	\$190
Atomic Layer Deposition 2	Atomic Layer Deposition	\$160	\$190
Ball Bonder	Ball Bonder	\$160	\$190
Cleanroom	Cleanroom	\$160	\$190
CM Furnace	Furnace	\$70	\$100
Desert Cryo Probe Station	Probe Station	\$160	\$190
E-beam Evaporator 1	Electron Beam Evaporation	\$160	\$190
E-beam Evaporator 2	Electron Beam Evaporation	\$160	\$190
E-beam Evaporator 3	Electron Beam Evaporation	\$160	\$190
E-beam Evaporator 4	Electron Beam Evaporation	\$160	\$190
Harrick Plasma Cleaner	Plasma Cleaner	\$160	\$190
Hydrogen Vacuum Furnace	Furnace	\$70	\$100
Ion Mill Evaporator	Ion Mill & Thermal Evaporator	\$160	\$190
Jandel 4 Point Probe	Four point probe	\$160	\$190
Lindberg 1 Furnace - 2 inch	Furnace	\$70	\$100
Lindberg 2 Furnace - 2 inch	Furnace	\$70	\$100
March RIE	Reactive Ion Etcher for polymer samples	\$160	\$190
March RIE2	Reactive Ion Etcher for polymer samples	\$160	\$190
Mitutoyo Microscope	Optical Microscope	\$160	\$190
Nanomaster RIE	Reactive Ion Etcher for polymer samples	\$160	\$190
Nanoscribe 3D Printer	Laser lithography 3D printer	\$165	\$195
Olympus Microscope	Optical Microscope	\$160	\$190
Oven-Air	Oven	\$70	\$100
Oven-Vacuum	Oven	\$70	\$100
PECVD	Plasma Enhanced Chemical Vapor Deposition	\$160	\$190
PECVD 2	Plasma Enhanced Chemical Vapor Deposition	\$160	\$190
Probe Station	Probe Station	\$160	\$190
Raith e-Line	Electron Beam Lithography	\$160	\$190
RaithPrep	Cleanroom	\$160	\$190
RIE	Reactive Ion Etcher	\$160	\$190
RTA Furnace	Furnace	\$160	\$190
Suss MJB3 - Deep UV	Mask Aligner - Deep UV	\$0	\$48
Suss MJB3 - Mask Aligner	Mask Aligner	\$0	\$48
Suss MJB4 - Mask Aligner	Mask Aligner	\$0	\$48
Thermal Evaporator	Thermal Evaporation	\$160	\$190
Tube Furnace - 6 inch	Furnace	\$70	\$100
Wedge Bonder	Wedge Bonder	\$160	\$190

** Deposition of gold and paladium incurs an additional charge of \$28 per every 100 nm deposited or fraction there of.

Microscopy-Biological			
Instrument	Technique	Self Use (\$/hr)	Staff Assisted & Training (\$/hr)
Bio-BioSEM	Bio SEM Prep	N/A	\$78
Bio-Embed	Embedding & Deparaffinization	N/A	\$64
Bio-EMScopeVM	VDL Scope Tech Time	N/A	\$58
Bio-Immunogold	Immunogold Embedding & Procedure	N/A	\$66
Bio-LMSect	Trim & LM Sectioning	N/A	\$78
Bio-NegDevelop	Negative Development	N/A	\$80
Bio-NegScan	Negative Development & Scanning	N/A	\$80
Bio-NegStain	Negative Staining & Grids	N/A	\$80
Bio-OptoMicro	Optical Camera Tech Time	N/A	\$60
Bio-TEMsect	Trim & TEM Sectioning	N/A	\$94
Reichert Ultracut	Microtome for TEM sample preparation	\$70	\$100
Microscopy-Scanning Probe			
Instrument	Technique	Self Use (\$/hr)	Staff Assisted & Training (\$/hr)
Asylum AFM 1	Atomic Force Microscopy	\$130	\$160
Asylum AFM 2	Atomic Force Microscopy	\$130	\$160
Asylum Cypher AFM	Atomic Force Microscopy/High Resolution	\$130	\$160
Hysitron Tip	Nanoindentation	\$70	\$100
Hysitron TriboIndenter	Nanoindentation	\$130	\$160
Piuma Nanoindenter	Nanoindentation	\$130	\$160
Microscopy-Scanning Electron			
Instrument	Technique	Self Use (\$/hr)	Staff Assisted & Training (\$/hr)
FEI DB235 FIB	Scanning Electron/Focused Ion Beam Microscopy	\$165	\$195
HELIOS 600i FIB	Scanning Electron/Focused Ion Beam Microscopy	\$170	\$200
Hitachi S4700 SEM	Scanning Electron Microscopy/High Resolution	\$165	\$195
Hitachi S4800 SEM	Scanning Electron Microscopy/High Resolution	\$165	\$195
JEOL 6060LV SEM	Scanning Electron Microscopy/ Low Vacuum	\$130	\$160
JEOL 7000F SEM	Scanning Electron Microscopy/Analytical SEM	\$165	\$195
Microscopy-Transmission Electron			
Instrument	Technique	Self Use (\$/hr)	Staff Assisted & Training (\$/hr)
Hitachi 9500	Transmission Electron Microscopy	\$170	\$200
JEOL 2010 LaB6	Transmission Electron Microscopy	\$165	\$195
JEOL 2010F EF-FEG	(Scanning) Transmission Electron Microscopy/Analytical	\$165	\$195
JEOL 2100 Cryo TEM	Transmission Electron Microscopy	\$165	\$195
JEOL 2200FS	(Scanning) Transmission Electron Microscopy/Analytical	\$170	\$200
PicoIndenter	Nanoindentation	\$165	\$195

Physical Property Measurement			
Instrument	Technique	Self Use (\$/hr)	Staff Assisted & Training (\$/hr)
Malvern Zetasizer	Particle Size and Zeta Potential Measurements	\$130	\$160
Q50-TGA	Thermogravimetric Analysis	\$130	\$160
Q800-DMA	Dynamic Mechanical Analysis	\$130	\$160
Surface Analysis			
Instrument	Technique	Self Use (\$/hr)	Staff Assisted & Training (\$/hr)
Cameca IMS-5f SIMS	Secondary Ion Mass Spectroscopy/ Dynamic	\$160	\$190
HVE Van de Graf	Ion Accelerator/Rutherford Backscattering Spectroscopy	\$160	\$190
KRATOS AXIS XPS	X-Ray Photoelectron Spectroscopy/Imaging XPS	\$160	\$190
NEC Pelletron	Ion Accelerator/Rutherford Backscattering Spectroscopy	\$160	\$190
PEI Trift-III TOF-SIMS	Secondary Ion Mass Spectroscopy/ Time-of-Flight	\$160	\$190
PEI5400 XPS	X-Ray Photoelectron Spectroscopy	\$160	\$190
PEI660 Auger	Auger Electron Spectroscopy	\$160	\$190
X-ray Diffraction			
Instrument	Technique	Self Use (\$/hr)	Staff Assisted & Training (\$/hr)
Dexco Laue	X-ray Diffraction/Laue	\$160	\$190
Philips XPert 1	X-Ray Diffraction/ High Resolution, Line Focus	\$160	\$190
Philips Xpert 2	X-Ray Diffraction/ Point Focus	\$160	\$190
SAXS	X-Ray Diffraction	\$160	\$190
Shimadzu EDXRF	X-Ray Fluorescence	\$160	\$190
Siemens-Bruker D5000 XRD	X-Ray Diffraction/ Powder	\$160	\$190
Support Equipment			
Instrument	Technique	Self Use (\$/hr)	Staff Assisted & Training (\$/hr)
Allied Multiprep	TEM sample preparation	\$70	\$100
Bell Jar Evaporator	Bell Jar Evaporator	\$130	\$160
Carbon Rod Coater	SEM Carbon Coater	\$70	\$100
Carbon String Coater	SEM Carbon Coater	\$70	\$100
Dektak 3030	Surface Profilometry	\$130	\$160
FEI Vitrobot	Cryo-plunge for TEM sample preparation	\$70	\$100
Gatan CryoPIPS	Cryo-Ion Miller for TEM sample preparation	\$70	\$100
Gatan PIPS	Ion Miller for TEM sample preparation	\$70	\$100
Leica EM UC6 Microtome	Microtome for TEM sample preparation	\$70	\$100
SEM Sputter Coater 1	SEM Sputter Coater	\$70	\$100
SEM Sputter Coater 2	SEM Sputter Coater	\$70	\$100
Vibratory Polisher 1	Vibratory Polisher	\$70	\$100
Vibratory Polisher 2	Vibratory Polisher	\$70	\$100