Hourly Use Rates for the Material Research Laboratory Facilities

Rates for researchers employed by the University of Illinois at Urbana-Champaign, other public sector employers, and companies located in the EnterpriseWorks Incubator at the University of Illinois Research Park.

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.

The rates listed below do not include overhead fees, such as Facilities and Administration, which will be added depending on your funding instrument or agreement.

Laser and Spectroscopy Facility			
Instrument	Technique	Self Use ($/hr)	Staff Assisted & Training ($/hr)
Agilent CARY 5000	Spectrophotometry	$15	$45
Black I-90 Laser	Laser	$15	$45
Custom Experiment	Custom Laser Experiment	$15	$45
Gaertner Ellipsometer	Ellipsometry	$15	$45
Inverted Materials Microscope	Optical Microscope	$15	$45
Lightwave Nd-YAG Laser	Laser	$15	$45
Low Temperature PL	Low Temperature PL	$15	$45
Mid-IR Twin OPA Laser Source	Laser	$15	$45
Nanophoton Raman 11	Raman Spectroscopy	$15	$45
Neaspec IR AFM	Tip Enhanced Infrared Spectroscopy	$15	$45
Newport Solar Simulator	Solar Simulator	$15	$45
Nicolet Nexus 670 FTIR	Fourier Transform Infrared Spectroscopy	$15	$45
OL 750 Spectroradiometer	Spectroradiometry	$15	$45
Quantronix YLF Laser	Laser	$15	$45
Raman Spectroscopy	Raman Spectroscopy	$15	$45
Rame-Hart Contact Angle	Contact Angle Measurments	$15	$45
Room Temperature PL	Photolumenescece	$15	$45
Time Resolved PL	Time Resolved PL	$15	$45
Tsunami Ti-Sapphire Laser	Laser	$15	$45
Tsunami Ti-Sapphire Laser 2	Laser	$15	$45
Two Photon Microscopy	Optical Microscopy	$15	$45
Varian Cary5G UV-VIS-NIR	Spectrophotometry	$15	$45
Witec Alpha NSOM	Near Field Scanning Optical Microscopy	$15	$45
Woollam VAS Ellipsometer	Spectroscopic Ellipsometry	$15	$45
Zeiss LSM7 Confocal	Confocal Microscope	$15	$45

Micro & Nano-Fabrication Facility			
Instrument	Technique	Self Use ($/hr)	Staff Assisted & Training ($/hr)
AJA Sputter Coater	Sputter Coater	$19	$49
AJA Sputter Coater 2	Sputter Coater	$19	$49
Atomic Layer Deposition	Atomic Layer Deposition	$19	$49
Atomic Layer Deposition 2	Atomic Layer Deposition	$19	$49
Ball Bonder	Ball Bonder	$19	$49
Cleanroom	Cleanroom	$18	$48
CM Furnace	Furnace	$6	$36
Desert Cryo Probe Station	Probe Station	$19	$49
E-beam Evaporator 1	Electron Beam Evaporation	$19	$49
E-beam Evaporator 2	Electron Beam Evaporation	$19	$49
E-beam Evaporator 3	Electron Beam Evaporation	$19	$49
E-beam Evaporator 4	Electron Beam Evaporation	$19	$49
Harrick Plasma Cleaner	Plasma Cleaner	$19	$49
Hydrogen Vacuum Furnace	Furnace	$6	$36
Ion Mill Evaporator	Ion Mill & Thermal Evaporator	$20	$50
Jandel 4 Point Probe	Four point probe	$19	$49
Lindberg 1 Furnace - 2 inch	Furnace	$4	$34
Lindberg 2 Furnace - 2 inch	Furnace	$4	$34
March RIE	Reactive Ion Etcher for polymer samples	$19	$49
March RIE2	Reactive Ion Etcher for polymer samples	$19	$49
Mitutoyo Microscope	Optical Microscope	$19	$49
Olympus Microscope	Optical Microscope	$19	$49
Nanomaster RIE	Reactive Ion Etcher for polymer samples	$19	$49
Nanoscribe 3D Printer	Laser lithography 3D printer	$20	$50
Oven-Air	Oven	$4	$34
Oven-Vacuum	Oven	$4	$34
PECVD	Plasma Enhanced Chemical Vapor Deposition	$19	$49
PECVD 2	Plasma Enhanced Chemical Vapor Deposition	$19	$49
Probe Station	Probe Station	$19	$49
Raith e-Line	Electron Beam Lithography	$28	$58
RaithPrep	Cleanroom	$18	$48
RIE	Reactive Ion Etcher	$19	$49
RTA Furnace	Furnace	$11	$41
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	$19	$49
Tube Furnace - 6 inch	Furnace	$6	$36
Wedge Bonder	Wedge Bonder	$19	$49
** 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	$48
Bio-Embed	Embedding & Deparaffinization	N/A	$34
Bio-EMScopeVM	EM Scope Tech Time	N/A	$40
Bio-Immunogold	Immunogold Embedding & Procedure	N/A	$36
Bio-LMSect	Trim & LM Sectioning	N/A	$48
Bio-NegDevelop	Negative Development	N/A	$50
Bio-NegScan	Negative Scaning	N/A	$35
Bio-NegStain	Negative Staining & Grids	N/A	$45
Bio-OptoMicro	Optical Camera Tech Time	N/A	$30
Bio-TEMSect	Trim & TEM Sectioning	N/A	$64
Reichart Ultracut	Microtome for TEM sample preparation	$16	$46

Microscopy-Scanning Probe

Instrument	Technique	Self Use ($/hr)	Staff Assisted & Training ($/hr)
Asylum AFM 1	Atomic Force Microscopy	$16	$46
Asylum AFM 2	Atomic Force Microscopy	$16	$46
Asylum Cypher AFM	Atomic Force Microscopy/High Resolution	$16	$46
Hysitron Tip	Nanoindentation	$10	$40
Hysitron TriboIndenter	Nanoindentation	$16	$46
Piuma Nanoindenter	Nanoindentation	$16	$46

Microscopy-Scanning Electron

Instrument	Technique	Self Use ($/hr)	Staff Assisted & Training ($/hr)
FEI DB235 FIB	Scanning Electron/Focused Ion Beam Microscopy	$25	$55
HELIOS 600i FIB	Scanning Electron/Focused Ion Beam Microscopy	$35	$65
Hitachi S4700 SEM	Scanning Electron Microscopy/High Resolution	$19	$49
Hitachi S4800 SEM	Scanning Electron Microscopy/High Resolution	$19	$49
JEOL 6060LV SEM	Scanning Electron Microscopy/ Low Vacuum	$16	$46
JEOL 7000F SEM	Scanning Electron Microscopy/Analytical SEM	$19	$49

Microscopy-Transmission Electron

Instrument	Technique	Self Use ($/hr)	Staff Assisted & Training ($/hr)
Hitachi 9500	Transmission Electron Microscopy	$27	$57
JEOL 2010 LaB6	Transmission Electron Microscopy	$20	$50
JEOL 2010F EF-FEG	(Scanning) Transmission Electron Microscopy/Analytical	$22	$52
JEOL 2100 Cryo TEM	Transmission Electron Microscopy	$20	$50
JEOL 2200FS	(Scanning) Transmission Electron Microscopy/Analytical	$27	$57
PicoIndenter	Nanoindentation	$15	$45

Physical Property Measurement

Instrument	Technique	Self Use ($/hr)	Staff Assisted & Training ($/hr)
Malvern Zetasizer	Particle Size and Zeta Potential Measurments	$10	$40
Q50-TGA	Thermogravimetric Analysis	$16	$46
Q800-DMA	Dynamic Mechanical Analysis	$16	$46

Surface Analysis

Instrument	Technique	Self Use ($/hr)	Staff Assisted & Training ($/hr)
Cameca IMS-5f SIMS	Secondary Ion Mass Spectroscopy/ Dynamic	$18	$48
HVE Van de Graf	Ion Accelerator/Rutherford Backscattering Spectroscopy	$25	$55
KRATOS AXIS XPS	X-Ray Photoelectron Spectroscopy/Imaging XPS	$18	$48
NEC Pelletron	Ion Accelerator/Rutherford Backscattering Spectroscopy	$45	$75
PEI Trift-III TOF-SIMS	Secondary Ion Mass Spectroscopy/ Time-of-Flight	$18	$48
PEI5400 XPS	X-Ray Photoelectron Spectroscopy	$18	$48
PEI660 Auger	Auger Electron Spectroscopy	$18	$48

X-ray Diffraction

Instrument	Technique	Self Use ($/hr)	Staff Assisted & Training ($/hr)
Dexco Laue	X-ray Diffraction/Laue	$14	$44
Philips XPert 1	X-Ray Diffraction/ High Resolution, Line Focus	$14	$44
Philips Xpert 2	X-Ray Diffraction/ Point Focus	$14	$44
SAXS	X-Ray Diffraction	$10	$40
Shimadzu EDXRF	X-Ray Fluorescence	$20	$50
Siemens-Bruker D5000 XRD	X-Ray Diffraction/ Powder	$13	$43

Support Equipment

Instrument	Technique	Self Use ($/hr)	Staff Assisted & Training ($/hr)
Allied Multiprep	TEM sample preparation	$6	$36
Bell Jar Evaporator	Bell Jar Evaporator	$10	$40
Carbon Rod Coater	SEM Carbon Coater	$10	$40
Carbon String Coater	SEM Carbon Coater	$10	$40
Dektak 3030	Surface Profilometry	$15	$45
FEI Vitrobot	Cryo-plunge for TEM sample preparation	$12	$42
Gatan CryoPIPS	Cryo-Ion Miller for TEM sample preparation	$10	$40
Gatan PIPS	Ion Miller for TEM sample preparation	$10	$40
Leica EM UC6 Microtome	Microtome for TEM sample preparation	$16	$46
SEM Sputter Coater 1	SEM Sputter Coater	$12	$42
SEM Sputter Coater 2	SEM Sputter Coater	$12	$42
Vibratory Polisher 1	Vibratory Polisher	$3	$33
Vibratory Polisher 2	Vibratory Polisher	$3	$33