

IMRI Recharge Rates and Policies

IMRI has a “YOU BREAK IT, YOU BUY IT” policy if you cause damage to any IMRI instrument or equipment.

Training certification is required before use of any IMRI instrument or facility.

The rates for each instrument are detailed below.

Off-peak hours are from 8 pm to 8 am during weekdays and anytime on Saturday, Sunday and national holidays.

The Complet billing policy is at <http://www.imri.uci.edu/content/billing>

Usage Rates

The Irvine Materials Research Institute has 3 facility locations: Calit2 Building (1302, 1322, and 1301), Engineering Hall (1121, 1131, 1141, 1151 and 1150) and Engineering Tower (140).

	Academic & Non-Profit Users		Industry Users
	UC & PUI/NP Users	Other Academic Users	
Technical Staff Assistance, per hour	\$40.00	\$52.00	\$120.00
Consumable Materials and Supplies	Cost plus 25%	Cost plus 25%	Cost plus 25%
All sample prep instruments excluded those listed seperately and computers (per person per quarter)*	\$150.00	\$195.00	\$450.00
Instruments in the Calit2 Building			
FEI Quanta 3D Dual Beam Training, per hour [1], [2]	\$40.00	\$52.00	\$120.00
FEI Magellan XHR SEM Training, per hour [1], [3]	\$40.00	\$52.00	\$120.00
FEI Quanta 3D Use, On-Peak (M-F 8 am - 8 pm), per hour	\$45.00	\$58.50	\$135.00
FEI Quanta 3D Use, Off-Peak (8 pm - 8 am and Weekends), per hour	\$30.00	\$39.00	\$90.00
FEI Magellan Use, On-Peak (M-F 8 am - 8 pm), per hour	\$45.00	\$58.50	\$135.00
FEI Magellan Use, Off-Peak (8 pm - 8 am and Weekends), per hour	\$30.00	\$39.00	\$90.00
Rigaku SmartLab XRD Training, per hour [1], [4]	\$40.00	\$52.00	\$120.00
Rigaku Ultima III XRD Training, per hour [1], [5]	\$40.00	\$52.00	\$120.00
Rigaku SmartLab XRD Use, per hour [6]	\$10.00	\$13.00	\$30.00
Rigaku Ultima III XRD Use, per hour [6]	\$10.00	\$13.00	\$30.00
Kratos AXIS Supra Training, per hour [7]	\$40.00	\$52.00	\$120.00
Kratos AXIS Supra Use, On-Peak (M-F 8 am - 8 pm), per hour	\$30.00	\$39.00	\$90.00
Kratos AXIS Supra Use, Off-Peak (8 pm - 8 am and Weekends), per hour	\$20.00	\$26.00	\$60.00

Supra Glove Box Use (only for Supra sample fab, prep, and inert transfer), per hour	\$5.00	\$6.50	\$15.00
Polytec Vibrometer Training, per hour	\$40.00	\$52.00	\$120.00
Polytec Vibrometer Use, per hour	\$25.00	\$32.50	\$75.00
Angstrom EvoVac Evaporator Training, per hour [8]	\$40.00	\$52.00	\$120.00
Angstrom EvoVac Evaporator Use, On-Peak (M-F 8 am - 8 pm), per hour [9]	\$15.00	\$19.50	\$45.00
Angstrom EvoVac Evaporator Use, Off-Peak (8 pm - 8 am and Weekends), per hour	\$10.00	\$13.00	\$30.00
Angstrom Glove Box Use (other than depositions), per hour	\$5.00	\$6.50	\$15.00
Xradia VersaXRM 410 Nano CT Basic Training, per hour	\$40.00	\$52.00	\$120.00
Xradia Nano CT Use, On-Peak (M-F 8 am - 8 pm), per hour	\$45.00	\$58.50	\$135.00
Xradia Nano CT Use, Off-Peak (8 pm - 8 am and Weekends), per hour	\$30.00	\$39.00	\$90.00
PNI Nano-R AFM Training, per hour [1]	\$40.00	\$52.00	\$120.00
PNI Nano-R AFM Use, per hour	\$15.00	\$19.50	\$45.00
SBT IBS/e Sputter Coater for Non-SEM Use, per hour	\$20.00	\$26.00	\$60.00
Instruments in Engineering Hall			
Tescan GAIA-3 Dual Beam Training, per hour [1], [10]	\$40.00	\$52.00	\$120.00
Tescan GAIA-3 Use, On-Peak (M-F 8 am - 8 pm), per hour	\$45.00	\$58.50	\$135.00
Tescan GAIA-3 Use, Off-Peak (8 pm - 8 am and Weekends), per hour	\$30.00	\$39.00	\$90.00
JEOL 2800 TEM Training, per hour [1], [11]	\$40.00	\$52.00	\$120.00
JEOL 2800 Use, On-Peak (M-F 8 am - 8 pm), per hour	\$45.00	\$58.50	\$135.00
JEOL 2800 Use, Off-Peak (8 pm - 8 am and Weekends), per hour	\$30.00	\$39.00	\$90.00
JEOL 2800 Nighttime Use Cap (M-S 8 pm - 8 am) [4]	\$180.00	\$234.00	\$540.00
JEOL 2100F TEM Training, per hour [1], [12]	\$40.00	\$52.00	\$120.00
JEOL 2100F Use, On-Peak (M-F 8 am - 8 pm), per hour	\$45.00	\$58.50	\$135.00
JEOL 2100F Use, Off-Peak (8 pm - 8 am and Weekends), per hour	\$30.00	\$39.00	\$90.00
JEOL GrandARM (S)TEM Training, per hour [1], [13]	\$40.00	\$52.00	\$120.00
JEOL GrandARM Use, On-Peak (M-F 8 am - 8 pm), per hour	\$55.00	\$71.50	\$165.00
JEOL GrandARM Use, Off-Peak (8 pm - 8 am and Weekends), per hour	\$36.50	\$47.50	\$110.00
NION UltraSTEM200 HERMES STEM Training, per hour [1], [14]	\$40.00	\$52.00	\$120.00
NION UltraSTEM200 Use, On-Peak (M-F 8 am - 8 pm), per hour	\$55.00	\$71.50	\$165.00
NION UltraSTEM200 Use, Off-Peak (8 pm - 8 am and Weekends), per hour	\$36.50	\$47.50	\$110.00
TEM sample prep instrument training, per hour	\$40.00	\$52.00	\$120.00
Fischione Model 1040 Nanomill, per hour	\$15.00	\$19.50	\$45.00

Gatan PIPS II, per hour	\$15.00	\$19.50	\$45.00
Leica ACE200 and ACE600 sputter coaters, per deposition	\$12.00	\$15.60	\$36.00
Leica EM UC7/FC7 cryo-ultramicrotome, per hour	\$20.00	\$26.00	\$60.00
Leica EM GP grip plunge freezer, per run	\$30.00	\$39.00	\$90.00
Instruments in Engineering Tower			
Philips CM-20 TEM Training [1], [15]	\$40.00	\$52.00	\$120.00
Philips CM-20 Use, On-Peak (M-F 8 am - 8 pm), per hour	\$40.00	\$52.00	\$120.00
Philips CM-20 Use, Off-Peak (8 pm - 8 am and Weekends), per hour	\$26.50	\$34.50	\$80.00
Philips XL-30 FEG SEM Training [1], [16]	\$40.00	\$52.00	\$120.00
Philips XL-30 Use, On-Peak (M-F 8 am - 8 pm), per hour	\$40.00	\$52.00	\$120.00
Philips XL-30 Use, Off-Peak (8 pm - 8 am and Weekends), per hour	\$26.50	\$34.50	\$80.00
Siemens D5000 XRD Training, per hour [1], [17]	\$40.00	\$52.00	\$120.00
Siemens D5000 XRD Use, per hour [6]	\$10.00	\$13.00	\$30.00

NOTES
*All rates are per hour unless indicated otherwise. No-shows who do not cancel their reservation at least 24 hours before the start of their scheduled session will be charged for 100% of the reserved time. Usage time is rounded to the next nearest half hour.
[1] Operation training covers machine functions and operation, and does not imply training in theory or applications.
[2] Quanta training covers the operation of SEM, FIB, GIS, EDS, LVSEM, ESEM, EBSD, BSED, slice/view and Omniprobe TEM sample preparation .
[3] Magellan training covers the operation of SEM, EDS, CBS, STEM, EBL and Kleidiek probe
[4] Smartlab XRD training covers powder diffraction, thin film diffraction, 1500 degree furnace, 1000 degree DHS furnace, SAXS, microdiffraction,
[5] Ultima III XRD training covers powder diffraction, including incident and diffraction beam optics units and parts, diffractometer basic operation, Auto sample change stage, sample preparation and data collection, PDXL software, Phase ID analysis (qualitative and quantitative), crystal strain and size analysis, structural refinement.
[6] All hours for the three XRDs are billed at one rate. There is a ½ hour minimum charge for any XRD.

[7] Supra training covers essential theory, system overview, sample transfer to/from the analysis chamber, XPS spectroscopy and imaging, and Auger spectroscopy and imaging at room temperature, depth profiling, heating/cooling, UPS, ISS, use of the UHV prep chamber, use of the glove box

[8] Evovac operation training covers system overview; basic system operation: venting/pumping, loading/unloading, film deposition, process recipe creation; advanced training: GLAD stage tilt/rotation angle manipulation, deposition ratio files, stage recipe design, motion simulation, substrate heating; glove box operation: making/loading air/moisture sensitive samples, sample transfer between deposition chamber and glove box.

[9] Users must purchase their own deposition materials and sources (crucibles/boats/wires). We may offer a limited supply of standard sources at our normal cost + 25% basis

[10] GAIA-3 operation training covers the the operation of SEM, FIB, GIS, EDS, EBSD, BSED, EBL, EBIC, 3D-EDS, 3D-EBSD, autoslice and Omniprobe TEM sample preparation .

[11] JEOL 2800 TEM operation training covers the operation of basic TEM (startup, TEM alignment, camera, data storage, shutdown), dark field/ weak beam imaging, electron diffraction, HRTEM, STEM, and EDS

[12] JEOL 2100F Cryo-TEM training covers the operation of basic TEM (startup, TEM alignment, camera, data storage, shutdown), cryo-EM holders, dark field/ weak beam imaging, electron diffraction, HRTEM,

[13] GrandARM (S)TEM operation training covers operation of TEM (including Cs-corrector), HRTEM, STEM (including Cs-corrector), electron diffraction, EDS, GIF, oneview camera and K2 IS camera, in-situ TEM

[14] UltraSTEM training covers STEM, EDS and EELS

[15] CM-20 training covers the operation of basic TEM (startup, TEM alignment, camera, data storage, shutdown), dark field/ weak beam imaging, electron diffraction, HRTEM, STEM, and EDS

[16] XL-30 training covers SEM, BSE and EDS

[17] D5000 training covers powder diffraction, thin film diffraction, rocking curve

* Flat fee per user per quarter. Including all sample preparation instruments except those listed seperately. Supplies and consumables are extra. IMRI encourages users to purchase their own consumables.