

## Registration Form for using: The UTA Characterization Center for Materials and Biology

<b>User Information</b>	First Name		Last Name	
	Department			
	Position			
	Building/Room			
	Telephone			
	Email			
	Signature		Date	
<b>Advisor Information</b>	First Name		Last Name	
	Department			
	Position			
	Building/Room			
	Phone			
	Email			
	Signature		Date	
<b>Instrument(s) to be used, check one or more:</b>	<input type="checkbox"/>	AFM	<input type="checkbox"/>	Nano Indenter
	<input type="checkbox"/>	SEM (S-3000N)	<input type="checkbox"/>	HR-FESEM (S-5000H)
	<input type="checkbox"/>	XRD (D500)	<input type="checkbox"/>	XRD (D8)
	<input type="checkbox"/>	TEM (JEOL 1200 EX)	<input type="checkbox"/>	XPS
	<input type="checkbox"/>	Raman	<input type="checkbox"/>	FTIR
	<input type="checkbox"/>	DSC/TGA/ TMA	<input type="checkbox"/>	Optical Microscopes
	<input type="checkbox"/>	Cutting Machines	<input type="checkbox"/>	Micro-Hardness
	<input type="checkbox"/>	Sputtering System	<input type="checkbox"/>	H-9500 HRTEM
	<input type="checkbox"/>	Polishing/Ion Milling	<input type="checkbox"/>	S-4800 HRSEM
	<input type="checkbox"/>	FEI Strata 400 Dual Beam FIB	<input type="checkbox"/>	EBS

**Project Title:**

Account # to be charged at the end of each quarter*	Advisor's signature/date**

\* A new registration form needs to be resubmitted at the time when the account # is becoming invalid to be able to continue access to the facility.

\*\* Please refer to the enclosed charge structure. At the end of each quarter (Nov., Feb, May and Aug.) a statement of the charge will be sent to the PI of the group.

This form should be filled out, signed and brought with you in the first session.

**Contact Information:**

Dr. Jiechao Jiang, facility manager,  
ELB 104A, Arlington TX 76019,  
Tel: (817) 272-0841, Fax: (817) 272-2538, Email: jiang@uta.edu

## User Fees

Users are charged a nominal amount for use of the facility equipment to offset the operation and maintenance costs. The instruments are recharged as follows:

Equipment/Service	Rate for UTA Users	
	Hourly rate	Charge per quarter per faculty <sup>[1]</sup>
JEOL 1200 EX TEM	\$30.00/hr	\$900
Phi 560 XPS/Auger	\$30.00/hr	
Hitachi S-3000N SEM	\$30.00/hr	
Hitachi S-5000 HRSEM	\$30.00/hr	
Hysitron Nano Indenter <sup>[2]</sup>	\$30.00/hr	
Bruker D8 XRD	\$30.00/hr	
Siemens D500 XRD	\$30.00/hr	
XE-70 AFM <sup>[2]</sup>	\$30.00/hr	
DXR Raman Microscope	\$30.00/hr	
Nicolet-6700 FT-IR	\$30.00/hr	
DSC/TGA/TMA	\$30.00/hr	
Micro-hardness	\$10.00/hr	
Section/Machine system	\$10.00/hr	
Sputtering System	\$10.00/hr	
Ion-milling System	\$10.00/hr	
Polishing machines	\$10.00/hr	
Hitachi H-9500 HRTEM <sup>[3]</sup>	\$30.00/hr	\$30.00/hr
Hitachi S-4800 HRSEM <sup>[3]</sup>	\$25.00/hr	\$25.00/hr
FEI Strata 400 Dual Beam FIB <sup>[3]</sup>	\$50.00/hr	\$50.00/hr
TEM negatives	\$ 3.0/ea	\$ 3.00/ea
EBSD <sup>[3]</sup>	\$20.00/hr	\$20.00/hr
Operation assist. for SEM, TEM, and XPS	\$20.00/hr	\$20.00/hr

[1] Billing for UTA users will be conducted every three months (Sept-Nov.; Dec.-Feb.; March-May & June-Aug.). The hourly rate will be used for the charge, if the total hourly charge for JEOL 1200EX TEM, XPS, Hitachi S-3000N SEM, Hitachi S-5000 HRSEM, Nano Indenter, XRD, AFM, FT-IR, Raman, DSC/TGA/TMA, Micro-hardness, sputtering System, polishing machine and ion-milling system exceeds the cap amount, then the cap amount will be charged. Otherwise, the hourly rate will be used for the charge. The Hitachi H-9500 HRTEM, Hitachi S-4800 HRSEM, FEI Strata 400 Dual Beam FIB, EBSD and TEM negative films and operation assistance will be charged separately.

[2] Because of the fragility and high cost of the tips, training is only available to the users who have their own tips. For users who do not have their own tips and need to use the tips provided by the facility, the testing work will be performed by an operator from the facility and the users need to pay the operator assistance fee (\$20/hour) which is not included in the cap and will be charged separately.

[3] The charges for these microscopes (microscope time, training and operator assistance fee) are not included in the cap and will be billed separately. We recommend that users practice on JEOL 1200EX TEM to acquire experience/skills prior to using the H-9500 HRTEM.

Note: Accounting records are always available for inspection by all users.