

User Registration Form

Institute of Technology Characterization Facility

For UNIVERSITY OF MINNESOTA users

CODE NUMBER _____ (office use) _____.

Full name _____

Department _____

Phone work (____) _____ home/cell (____) _____.

X.500 username _____

Advisor/P.I. name _____

e-mail _____

phone _____

=== Fill out all fields above completely. Write legibly. ===

I need after hours access to:

_____ Shepherd Labs _____ Nils Hasselmo Hall

UCard number 600 _____

User Agreement

I agree that all publications containing/describing results I obtain in the CharFac will include the following acknowledgment: "Parts of this work were carried out in the Institute of Technology Characterization Facility, University of Minnesota, part of the NSF-funded Materials Research Facilities Network (www.mrfn.org)."

I agree that I will only use Facility equipment after training by designated staff and that I AM NOT allowed to train other users or allow them to operate the equipment during my session.

I understand that sessions cancelled less than 48 hours in advance will be charged in full.

Signature

Date

Safety Training Requirements

Our mission is to provide a safe research environment in which each individual can work or interact with a certain level of confidence about the facility and the actions of others that are involved with the facility. All occupants and people doing work in the Characterization Facility must comply with the Minnesota Employee Right to Know Act (MERTKA). This is a regulation that requires employees to be trained and certified in a qualified laboratory health and safety training program. Although the Characterization Facility is an instrument facility and not qualified as a laboratory, we require basic lab safety training before you may use the lab. Qualified training is usually provided by your department and/or principal investigator. The University of Minnesota also provides classes on every third Thursday at Boynton. Call or go online to Environmental Health and Safety for details. You must certify to us that you have this training.

I have taken the following MERKTA or other departmental training:

Type of Training

Applicant's Signature

Date of training

In the instance that training information was not provided to you, go to the DEHS training page at <http://www.dehs.umn.edu/training.htm>.

For general lab safety, first select **Chemicals and Other Substances**, then underneath the **Online** heading select **Laboratory Safety Training**. The three online training tutorials include; **Introduction to Research Safety, Chemical Safety, and Chemical Waste Management**. Take all three of the training tutorials. An e-mail with a record stating you took the tutorial will be sent to your U of M account. (The record of your training can also be viewed at any time via <http://hrss.umn.edu> → Training Registration/History → Personal Training Record)

Note: If a researcher works with any form of:

- human blood;
- human body fluids (such as spinal fluid, synovial fluid, vaginal fluid, sperm);
- and/or infectious agents (such as viruses, bacteria, fungi, rickettsia)

he or she will also need to complete the online module: **Preventing Employee Exposure to Bloodborne and Other Pathogens** on the main training page under **Biological Materials**.

For x-ray instrumentation, select **Radioactive Materials** from the DEHS training page and complete the **Radiation Safety Orientation** in the **Online** section. You will also need to view a safety tape and complete a questionnaire. The tape is called the *Double-Edged Sword*, tape 1678, located in the biomedical library in Diehl Hall. Ask for the accompanying questionnaire and fill it out while you watch the video. Bring the questionnaire from the tape and the result form of the online training with you to your instrumental training.

Facility Instruments

| Check the instruments you plan to use | | | | | |
|---------------------------------------|-----------------------------|--------------------------|-----------------------------|--------------------------|---------------------------------|
| <input type="checkbox"/> | Allied Wedge TEM polisher | <input type="checkbox"/> | Auger | <input type="checkbox"/> | Biol TEM sample prep bench, NHH |
| <input type="checkbox"/> | Bench / Hood 1, NHH, User 1 | <input type="checkbox"/> | Bench / Hood 1, NHH, User 2 | <input type="checkbox"/> | Bench / Hood 2, Cryo, Nhh |
| <input type="checkbox"/> | Bruker-AXS D-5005 | <input type="checkbox"/> | Buehler Ecomet3 Polisher | <input type="checkbox"/> | Buehler Minimet Polisher |
| <input type="checkbox"/> | Buehler isomet saw | <input type="checkbox"/> | CEVS | <input type="checkbox"/> | CritPoint, NHH |
| <input type="checkbox"/> | DV502A, NHH | <input type="checkbox"/> | Ellipsometer | <input type="checkbox"/> | Emitech CryoPrep, NHH |
| <input type="checkbox"/> | FEI Cryo FEGTEM NHH | <input type="checkbox"/> | FEI FEGTEM | <input type="checkbox"/> | FEI T12 |
| <input type="checkbox"/> | FTIR | <input type="checkbox"/> | Fischione Ion Mill | <input type="checkbox"/> | Fluid cell, Multimode AFM |
| <input type="checkbox"/> | FreezeFrac, NHH | <input type="checkbox"/> | FreezeSub, NHH | <input type="checkbox"/> | FreezeSubEm, NHH |
| <input type="checkbox"/> | Gatan Duo Mill | <input type="checkbox"/> | Gatan PIPS | <input type="checkbox"/> | HighPressure, NHH |
| <input type="checkbox"/> | Hitachi S4700, NHH | <input type="checkbox"/> | Hitachi S900, NHH | <input type="checkbox"/> | IBA/RBS |
| <input type="checkbox"/> | Jeol 1200EX, NHH | <input type="checkbox"/> | Jeol 1210 | <input type="checkbox"/> | Jeol 6500 |
| <input type="checkbox"/> | Jeol 6700F | <input type="checkbox"/> | Leica Tissue Proc. NHH | <input type="checkbox"/> | Leica UC6 microtome, NHH |
| <input type="checkbox"/> | LM Dissecting Bench, NHH | <input type="checkbox"/> | MED010, NHH | <input type="checkbox"/> | MMT |
| <input type="checkbox"/> | Metal Evaporator | <input type="checkbox"/> | Microdiffractometer | <input type="checkbox"/> | Cryo-Microtome |
| <input type="checkbox"/> | NanoXP | <input type="checkbox"/> | Profilometer | <input type="checkbox"/> | Raman |
| <input type="checkbox"/> | Rapid XRD | <input type="checkbox"/> | Rigaku Dmax B | <input type="checkbox"/> | SAMS595 |
| <input type="checkbox"/> | SAXS-2D | <input type="checkbox"/> | SASX-6m | <input type="checkbox"/> | SAXSess |
| <input type="checkbox"/> | SPI Coater | <input type="checkbox"/> | SPI Plasma Prep II | <input type="checkbox"/> | SPM 1 |
| <input type="checkbox"/> | SPM2 | <input type="checkbox"/> | SPM 3 | <input type="checkbox"/> | SPM 4 |
| <input type="checkbox"/> | Scintag XDS 2000 | <input type="checkbox"/> | Siemens D-500 | <input type="checkbox"/> | Staining Bench, NHH |
| <input type="checkbox"/> | Tecnupol-3 electropolisher | <input type="checkbox"/> | TEM Staining Hood, Shep | <input type="checkbox"/> | TOFSIMS |
| <input type="checkbox"/> | Triboindenter | <input type="checkbox"/> | Triboscope | <input type="checkbox"/> | UltraMicrotome, NHH |
| <input type="checkbox"/> | Ultrasonic Disc Cutter | <input type="checkbox"/> | VCR Core drill | <input type="checkbox"/> | VCR Dimpler |
| <input type="checkbox"/> | VCR Ion Beam Coater, NHH | <input type="checkbox"/> | VCR Maxmill/Iontech | <input type="checkbox"/> | VEM Nikon |
| <input type="checkbox"/> | VEM Olympus | <input type="checkbox"/> | Vitrobot, NHH | <input type="checkbox"/> | X'pert |
| <input type="checkbox"/> | X-Ray Workstation | <input type="checkbox"/> | XPS 555 | <input type="checkbox"/> | XPS SSX 100 |
| <input type="checkbox"/> | Zygo | | | | |

05/29/09