

# UNT Cleanroom User Fee Schedule\*

Release Date Oct. 18 2016

| Resource                       | Notes  | Rates                           |                        |                  |
|--------------------------------|--|---------------------------------|------------------------|------------------|
|                                |  | UNT Users                       | Other University Users | Industrial Users |
| Cleanroom Access Fee           | Each week, enter cleanroom 0 times: no fee; enter >= 1 times: full fee | \$50/week                       | \$50/week              | \$100/week       |
| SEM/EBL                        | JEOL JSM 7001F w/ XEON patter writer                                   | \$25/Hour                       | \$25/Hour              | \$125/Hour       |
| Photomask Laser Writer         | Heidelberg 66s   | \$30/Hour                       | \$30/Hour              | \$100/Hour       |
| Reactive Ion Etcher-dielectric | AGS RIE MPS-150  | \$60/Hour                       | \$60/Hour              | \$100/Hour       |
| Dual Ebeam System Deposition   | Nanomaster dual ebeam evaporator                                       | \$20/Hour                       | \$20/Hour              | \$50/Hour        |
| Thermal Evaporator             | Denton Vacuum integraty 26   | \$15/Hour                       | \$15/Hour              | \$30/Hour        |
| Sputtering & Dual Ebeam        | oerlikon Univex 450B   | \$20/Hour                       | \$20/Hour              | \$50/Hour        |
| Reactive Ion Etcher-Metal      | AGS RIE MPS-150  | N/A                             | N/A                    | N/A              |
| Atomospheric Furnace           | Mini Brute   | N/A                             | N/A                    | N/A              |
| Organic Thermal Evaporator     | Trovato 300C organic deposition system                                 | \$35/Hour                       | \$35/Hour              | \$105/Hour       |
| Chemical Processing Station    | Laurell EDC-650Gz-8NPPB processor                                      | N/A                             | N/A                    | N/A              |
| Wire Bonder                    | WestBond 7476 D  | 10/Hour                         | \$10/Hour              | \$25/Hour        |
| Ellipsometer                   | J.A. Woolam Co., Inc. M-2000V Automated Angle Ellipsometer             | \$10/Hour                       | \$10/Hour              | \$25/Hour        |
|                                |  |                                 |                        |                  |
| Spin Coater                    | Laurell WS-650-23NPP   | Included in cleanrom access fee |                        |                  |
| Hot Plate                      | HP 61  | Included in cleanrom access fee |                        |                  |
| UV Ozone Cleaner               | Uvocs  | Included in cleanrom access fee |                        |                  |
| Fume Hood/Wet Benches          | Acid, Base and Solvent   | Included in cleanrom access fee |                        |                  |
|                                |  |                                 |                        |                  |
|                                |  |                                 |                        |                  |
| Staff Training                 | Tool Training  | \$30/Hour                       | \$30/Hour              | \$50/Hour        |
| Staff Assistance               | Running Tools, Helping Design, etc                                     | \$30/Hour                       | \$30/Hour              | \$50/Hour        |
|                                |  |                                 |                        |                  |

**Cleanroom Access & Material Review Contact:** Facility Manager: Dr. J.C. Li, [jianchao.li@unt.edu](mailto:jianchao.li@unt.edu), 940-369-5318

**Consumables:** The facility provides cleanroom garments and personal protective equipment. The facility does not provide consumables such as sputtering targets, evaporation boat & material, photoresist, developer, etc. Any material used in any of the tools will need to be reviewed by cleanroom staff.

**Notes:** The fee schedule is subject to UNT accounting for further review after interim operational period and will be reevaluated and adjusted.

