

Join us on
September 16-17,
2026

Advanced Materials Characterization In-person Workshop

Location Center For High Technology Materials (CHTM)

1313 Goddard S.E., Albuquerque NM 87106

Who should attend?

- Researchers and professionals seeking to expand their understanding advanced cryogenic and high-field materials characterization.
- Individuals interested in hands-on training with state-of the art equipment.
- Those looking to connect theoretical principles with practical applications in research or industry scenarios.
- Anyone seeking insights into advanced materials characterization.

What will you learn?

- Principles, capabilities, and applications for advanced materials characterization.
- Magnetic measurement analysis.
- Hands-on experience with sample setup, data collection, and analysis workflows using QD MPMS-3 system.

Cost

This event is free; however, seats are limited. Hands-on training sessions will be carried out in batches. Coffee breaks and lunch will be provided.

Registration

Contact Dr. Maya Narayanan Kutty
mnkutty@unm.edu

Questions

Contact Randy Dumas
dumas@qdusa.com

Agenda

September 16, 2026- CHTM Room 101

10:00-Material Characterization: From Bulk to the Nanoscale and Beyond (R.K. Dumas)

10:45-QD-Oxford (Alex Lebon)

11:30-UNM User Talk 1 (Jordan Neely, CHTM)

12:00-Lunch

1:00-OptiCool: Measurements in Magneto-Optical Cryostats (Darius Choksy)

1:30-Discovery Teaching Labs Initiative (R.K. Dumas)

2:00-Correlative Microscopy: Using Multiple Microscopes to Their Fullest (Darius Choksy)

2:30- Magnetic Measurements: MPMS3 versus DynaCool (R.K. Dumas)

3:00-Coffee Break

3:30-LANL User Talk (Adam Dioguardi)

4:00- UNM User Talk 2 (Joshua Mengell, (Chemistry and Chemical Biology Department)

4:30-MPMS3: Sample Mounting and Improving Accuracy (R.K. Dumas)

5:00-Adjourn

September 17, 2026-CHTM Chase Lab #162B

10-12:00 -Hands-On MPMS3 Training



Quantum Design



NANOFAB