Interdisciplinary Materials Research & Education across GT

- **Joint Faculty:**
  - 39 TTK faculty, 34.5 FTE (8 joint, 35 majority); 21 courtesy faculty in MSE; 14 MSE faculty courtesy/adjunct in other units
  - Shared interdisciplinary senior hires

- **Ph.D. Students advised across units:**
  - ~25 MSE GRAs advised by faculty in other units
  - 20 GRAs from other units advised by MSE faculty

- **Cross-listed Courses:**
  - 14 undergrad and 22 grad courses are cross-listed and taught by mix of MSE and non-MSE faculty
  - Interdisciplinary certificate programs

- **Faculty in Multiple Buildings:**
  - Faculty located in 6 buildings (legacy, space availability)
  - Shared Laboratories and Facilities in different buildings
INNOVATION ECOSYSTEM - MAKER SPACES

Woodruff School of Mechanical Engineering

Invention Studio

School of Electrical Engineering

THE HIVE

Aero Maker Space

Materials Science & Engineering

THE MILL

Ceramic Processing SEM/EDX XRD ATR-FTIR UV/Vis 3D Printers Mechanical Hardness
Interdisciplinary Materials Research & Education across GT

- **Benefits:**
  - Collaboration opportunities for faculty and students
  - Strategic hiring of faculty in interdisciplinary areas
  - Availability of specialty equipment/resources
  - Ability to acquire shared use equipment and develop shared access facilities
  - Developing and teaching cross-disciplinary courses

- **Challenges:**
  - Internal competition perceived to be tougher than external
  - Handling student-faculty interactions (GRA funding)
  - Maintaining/teaching cross-disciplinary courses