

Low Temperature Physics Extravaganza with Prof. Glenn Agnolet

Time: 11 am, 1 pm

Location: Hawking Auditorium

Discover the intriguing world of low temperature physics. Using simple but exciting demonstrations, we will explore how everyday materials change when cooled to liquid nitrogen temperatures (-320° F).

Racquet balls shatter like glass and rubber becomes hard as nails. A soft metal like lead (Pb) can be made to ring like a bell whereas tin becomes brittle. By evaporation, liquid nitrogen is converted into a solid nitrogen slushy. See oxygen condensed out of the air and learn the color of liquid oxygen and whether it is magnetic. Watch as a supercooled liquid transforms into a solid in seconds. Learn how superconductors can be used to levitate high speed trains.

