- 1. Slip Systems Concepts:
  - a. Define a slip system in a crystalline material
  - b. Why is it important?
- 2. Resolved shear stress calculation:

A single crystal of a BCC metal has a critical resolved shear stress of 18 MPa. What is the yield stress of this crystal in the [110] direction if slip occurs in the (101)[11 $\overline{1}$ ] slip system?