

## **6. Observing Dislocations and Other Defects**

### **6.1 Decoration and Conventional Microscopy**

#### **6.1.1 Preferential Etching**

#### **6.1.2 Infrared Microscopy**

### **6.2 X-Ray Topography**

### **6.3 Transmission Electron Microscopy**

#### **6.3.1 Basics of TEM and the Contrast of Dislocations**

#### **6.3.2 Examples and Case Studies for Dislocations**

#### **6.3.3 Stacking Faults and Other Two Dimensional Defects**

#### **6.3.4 High Resolution TEM**