

# PHYSICS AND ASTRONOMY COLLOQUIUM

## Dr. Karin Oberg

Department of Astronomy, Harvard University

### “The Chemistry of Planet Formation”

#### Abstract

Planets form from dust and gas in disks around young stars. The chemical composition and structures of these disks regulate planet formation efficiencies, bulk planet compositions (including their C/O ratio), and the volatile and organic content of nascent planets. Understanding disk chemical structures and inventories is