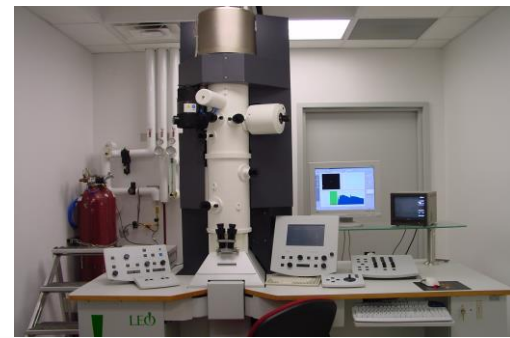
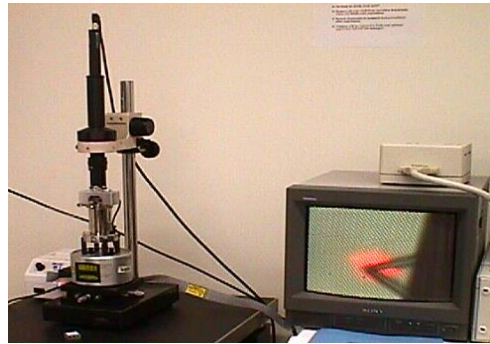


# Otto York Center for Environmental Science and Engineering



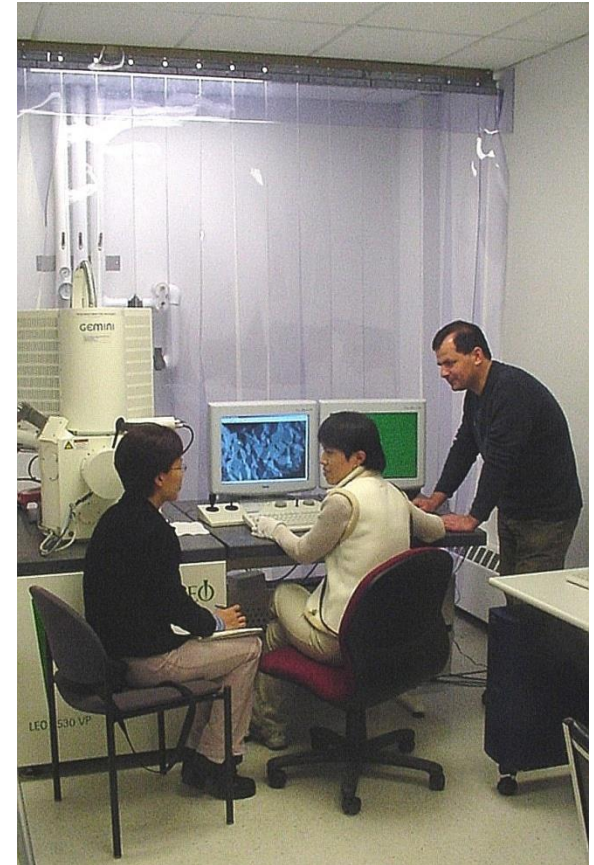
# Core Facilities @ York Center

- **A Unique Combination of Advanced Analytical Instrumentation and Expertise**
- **Material Characterization, Chemical Analysis, Environmental Measurements**
- **Microscopy, mass spectroscopy, spectroscopy**



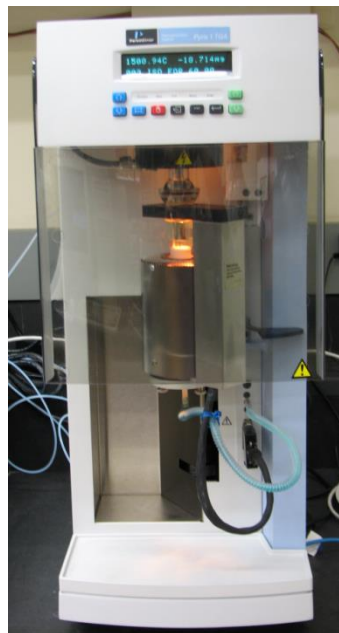
# Services @ Otto York Center and MCL

- **Testing**
- **Training**
- **Access to Equipment**
- **Contract research**



# Chemical Analysis

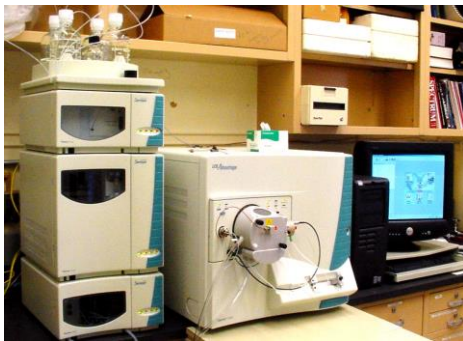
- Organics, Metals
- Structural Identification
- Ions
- Mass Spectroscopy
- Optical Spectroscopy
- XRD
- FTIR, NMR, Raman
- IC, HPLC, GC
- GC/MS, LC/MS, ICP/MS
- TGA, BET





# Environmental Analysis

- EPA Methods for VOCs, SVOCs, Metals, and Ions
- Air, Water, Hazardous Waste
- Purge & Trap GC, Thermal Desorber
- GC/MS, LC/MS, ICP-MS
- AA, TOC



# Material Characterization

## *Microscopy, Spectroscopy, Structure Analysis*

- Particle Size, Dielectric Properties
- SEM, EDX, AFM
- XRD
- SNOM
- PSA
- Sample Preparation



# Faculty Instrument Usage Seed Grants @ Otto York Center

- **Bring your research ideas**
- **Put us in your proposals**
- **Free student training and instrument usage**

