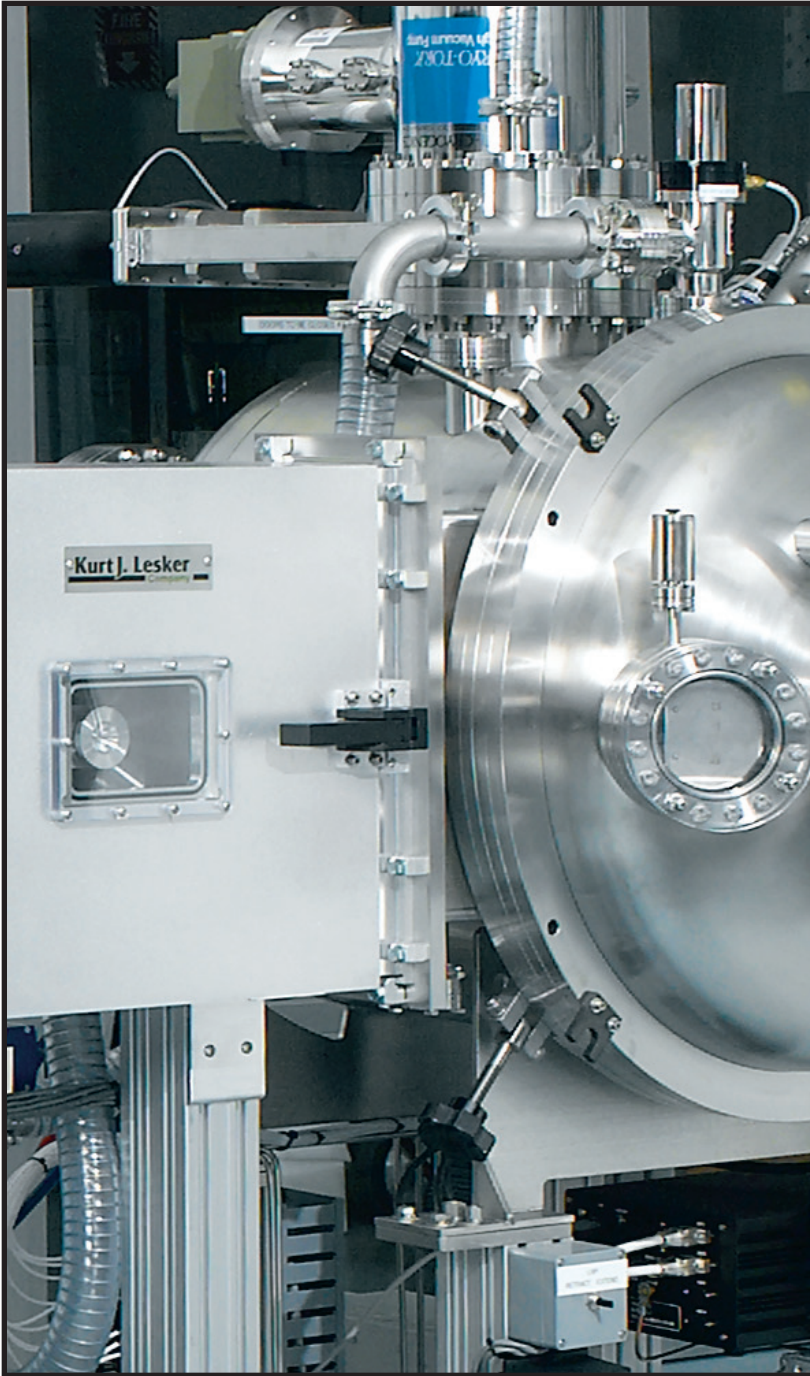


# Lesker U

## Basic Vacuum Technology



Register at [nano.nd.edu/events](http://nano.nd.edu/events)

For more information, contact  
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### Vacuum Basics

- Book Resources
- Gas–Solid Interactions
- Flow Regimes
- Conductance
- Pumping Speed
- Gas Load
- Outgassing
- Pump Throughput
- Gas Load = Pump Throughput

### Vacuum Gauging

- What makes vacuum pressure difficult to measure?
- The Ideal Gas Law and gas law variables
- Gas Dependent Vs Gas Independent gauges
- Examples of gauging systems

### Physical Vapor Deposition

- Book Resources
- Major PVD Methods
  - Thermal Evaporation
  - E-Beam Evaporation
  - Sputtering
- Deposition and Film Growth
- Practical Technical Issues

### One-Day Course Schedule

- Tuesday March 10 or Wednesday March 11
- No registration fee!
- Basic Vacuum 10:00 a.m. - Noon
- Lunch provided for registered attendees.
- PVD 1:00 - 3:00 p.m.
- Networking reception immediately following Tuesday afternoon session.
- University of Notre Dame, Jordan Hall Auditorium (Room 101)

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