

# Institute of Technology Labs

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Computing and Networking

<http://tinyurl.com/uwtlabs>

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# Agenda

- Lab Types and Locations
- Access to Physical Labs and Computers
- Virtual Computing Labs
- Pseudo-Labs (JOY 001/009/205)
- Staff Responsibilities
- Resources

# Lab Types and Locations

- Institute of Technology Labs
  - General Development/Use: DOU 110; and SCI 106/108 (24x7)
  - Teaching and Research (24x7, co-managed with faculty)
    - Embedded Computing Systems (ECS): CP 206D
    - Information Assurance & Networking (IAN): CP 206H
    - Computer Engineering Projects (CEP): SCI 113
    - Engineering Research (ER): CP 206I
    - Advanced Engineering (AE): TPS 202
    - Power (P): TPS 302
- Campus Labs: UWT IT Dept.
  - General: WG 108
  - Multimedia Lab: CP 005
- Campus Classrooms: UWT IT & Institute – Pseudo-labs
  - JOY 001, 009 and JOY 205

# Access to Physical Labs & Computers

- Key card access to our labs
  - All students: general development labs
  - Faculty designate access to Teaching and Research Labs
- Institute Login accounts
  - INSTTECH is the domain where accounts reside
    - u.washington.edu is allowed as well
  - Login: [uwnetid@u.washington.edu](mailto:uwnetid@u.washington.edu)
  - Password: same as MyUW
- Campus lab/classroom login accounts
  - UWTACOMA is the domain where accounts reside
    - Login: UWTACOMA\uwnetid
    - Initial password for students: student id minus leading zeroes
    - Initial password for faculty: to be provided

# Virtual Computing Labs (VCL)

- VCL: collection of private clouds of varying capacities
  - virtual machines and networks hosted on powerful servers
- Virtual machines (VMs)
  - Predefined for individual student/faculty or class use
    - OS and apps may be pre-installed, or students may be asked to do so
  - Available on per-quarter basis
  - Accessed via the real network from anywhere
    - Keystrokes and mouse activity sent to VM
    - Changes to display of VM seen in a window
- VMs and virtual network
  - Usually defined by faculty for course use
  - Can be managed by student
    - Easiest is via Windows, due to special manage\_vc app
- Also used for software restricted to UW-owned equipment

# Pseudo-Labs (JOY 001/009/205)

- Mostly used by Information Technology program
  - Maintained and controlled by UWT IT dept.
  - Institute defines software installed
    - Often, identical to that installed in Institute labs or VCL
- Students:
  - Do not get key card access
  - Cannot use rooms 24x7, as they can with most labs
- Institute gets priority over scheduling rooms, but other programs and departments may use

# Staff Responsibilities

- Institute staff
  - Don McLane/Bob Landowski/Chris Barrett
    - Handle CES/EE program activities in related labs
  - Stephen Rondeau
    - Maintains computers and networks in all labs
      - Installs and configures software on lab computers
      - Does not maintain faculty computers: email tachelp@uw.edu
    - Maintains lab infrastructure servers
    - Purchases hardware/software for all labs
      - Does not purchase for faculty office use: see Joel Larson
- UWT IT Staff: JOY 001/009/205
  - Keiji Oka via tachelp@uw.edu

# Resources

- Faculty information for classroom/office/labs:
  - <http://tinyurl.com/uwtiotfac>
- Lab web pages:
  - <http://css.insttech.washington.edu/~lab>