Welcome to Jefferson Lab

Jefferson Lab
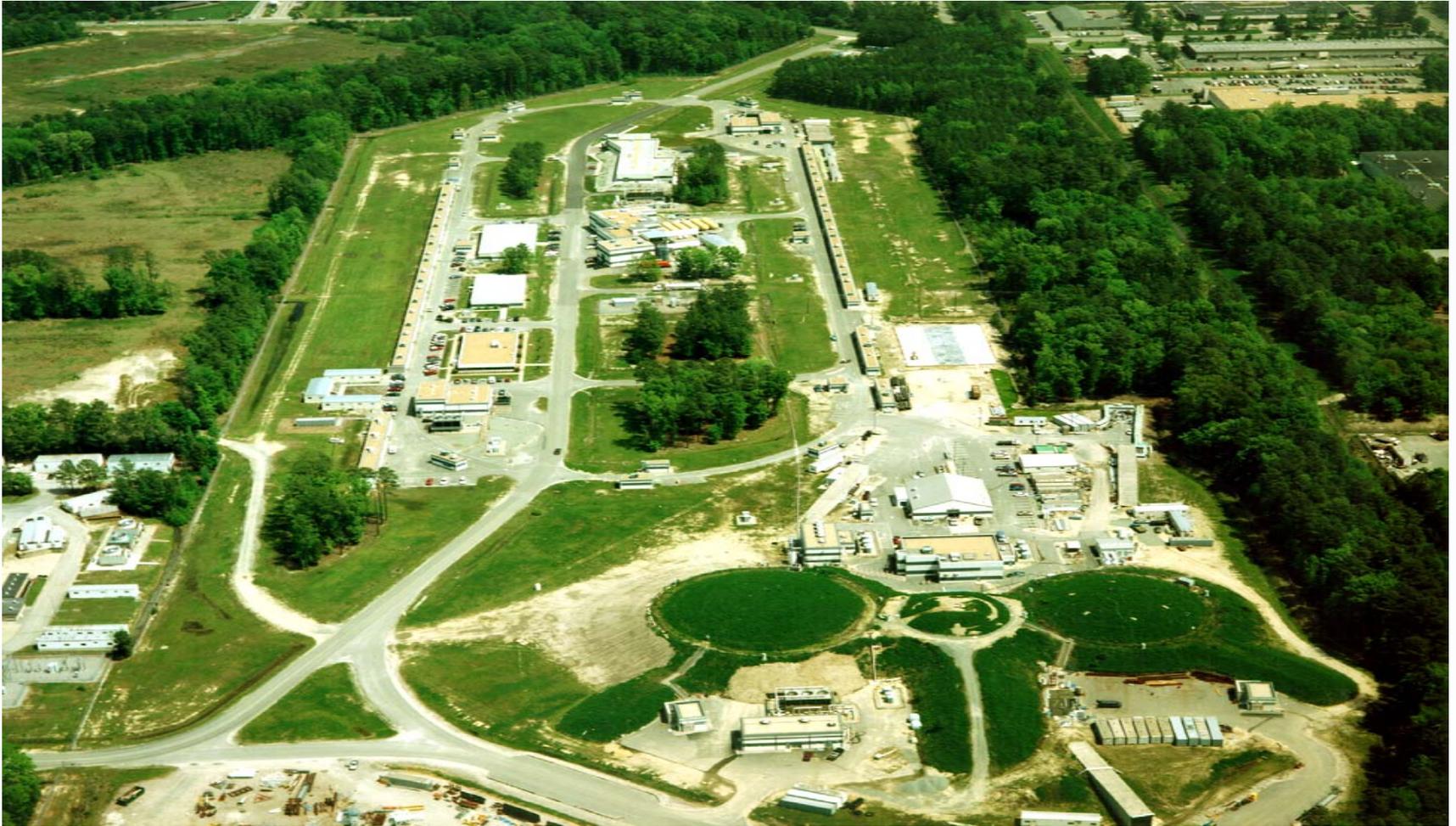
Controls Group

Details…

- **Badges**
  - **Swipe your badge prior to entering & exiting the building**
  - **Turn your badge in at the front desk before leaving the last day**
- **Please turn pagers & cell phones to silent mode**
- **Computers available in L104**
- **Tour – meet at 4pm in front of CEBAF Center**
- **The agenda is packed, please help us stay on schedule**

Food…

➢ **Coffee breaks in the Atrium**

➢ **Lunch on your own**

    ∗ **Cafeteria – right outside this room**

    ∗ **Many places nearby – list in your folder**

➢ **Dinner – Wednesday 6:30 – in the Atrium - Diane has tickets**

Jefferson Lab Status Report

Karen S. White

Jefferson Lab

Controls Group

Our EPICS System

- ➤ **> 80 HP-UX Workstations**

- ➤ **> 140 IOCs – Motorola 167/177, PowerPC 2700**

- ➤ **~300 Device Control Applications (VME, CAMAC, GPIB, Serial, Custom)**

- ➤ **~1350 Instantiations Across IOCs**

- ➤ **Over 250K EPICS Records for ~65K Control Points**

- ➤ **Over 2000 User Interface, System and High Level Applications**

- ➤ **11 Independently Functioning Control System Segments across the site**

Ongoing Work

➢ **Control System Maintenance**

➢ **Machine Reconfiguration**

➢ **Support for New Experiments**

➢ **Reducing load on IOCs**

➢ **Adding Capacity**

　　∗ **More Memory & Disks**

　　∗ **68K => PowerPCs**

　　∗ **Improving Network**

Recent Additions

➢ **CA Gateway**

➢ **CA Nameserver**

➢ **Sun Servers for:**

  ∗ **Oracle Database**

  ∗ **Archiver**

  ∗ **Backups**

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Projects

- **New Archiving System (Chris Larrieu)**
- **PIOC (Joan Sage)**
- **Generic Lock Framework (Brian Bevins)**
- **Oracle Database**
  - **Model Server, Archiver, OPS-PR, Time Accounting, E-Log (Theo Larrieu)**
- **Expanding our toolset – QT, Java, CORBA (Chris Larrieu, Chris Slominski)**
- **New environment for Unix applications**

Long Term Challenges

➤ **Increasing support for more OS types**

➤ **Need to decide on Unix & IOC platforms for the future – lots of choices (Arne Freyberger)**

➤ **Expand use of Oracle to include management of device control issues**

➤ **Planning for JLAB 12 GeV Upgrade**

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