

Networking and Computing Technologies Division

Computing Applications & Web Technologies Overview

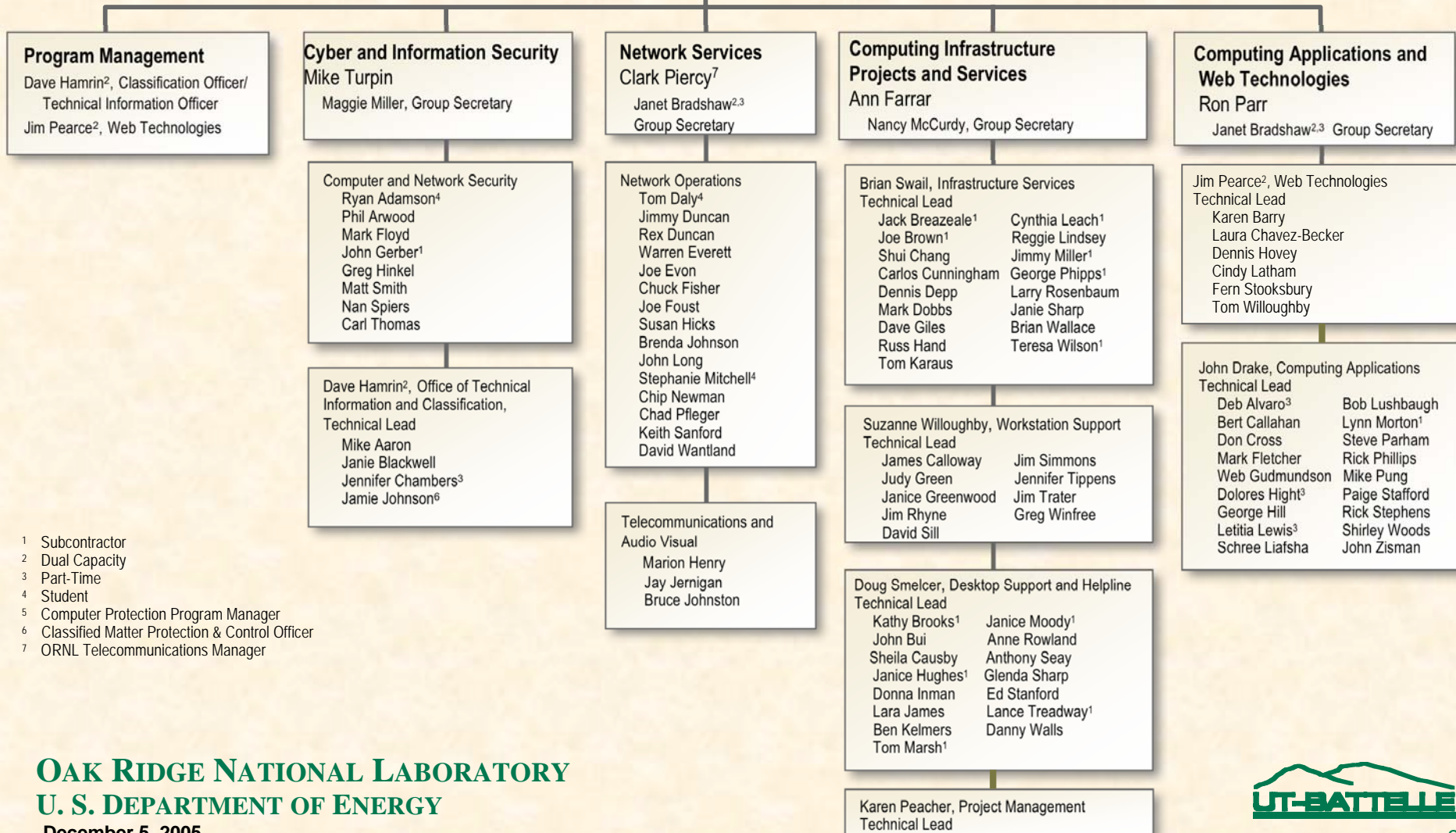
Dec. 12, 2005

OAK RIDGE NATIONAL LABORATORY
U. S. DEPARTMENT OF ENERGY

Networking and Computing Technologies

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² Dual Capacity

³ Part-Time

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⁶ Classified Matter Protection & Control Officer

⁷ ORNL Telecommunications Manager

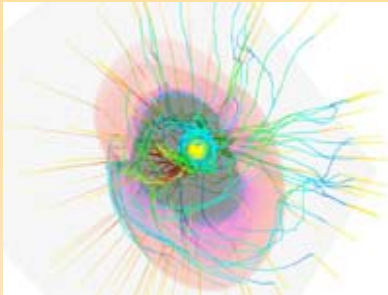
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December 5, 2005



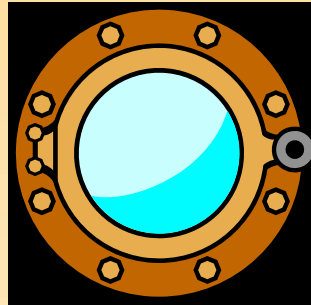
Web Technologies

Web Sites



- Central public and internal web sites
- CCSD
- SciDac
- Building Technologies Center
- Energy & Engineering Sciences
- Human Resources/Benefit Plans
- Search engines

Central Portal Capabilities



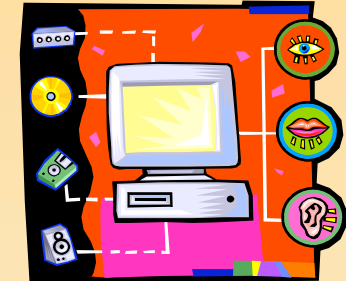
- Personalizable workspaces
- Powerful search tools
- Ability to target site content to specific audiences
- Consistent function/appearance
- Content management tools
- Enhanced Administrative Tools

Collaboration Portal Sites



- Internal Collaborations
- Extranet Collaborations (authenticated)
- Document sharing/versioning
- Threaded discussions
- Calendar / announcements
- Enhanced Administrative Tools

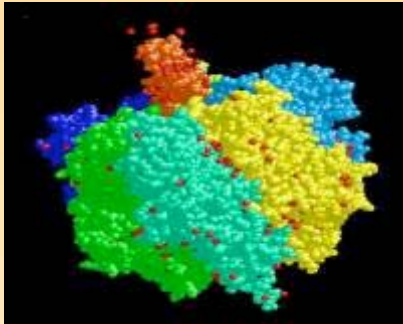
Web Applications



- Press Releases / Announcements / DOE-ORO Reporting
- Engineering Drawings
- MRF Construction Photo Database
- Library Catalog
- AmeriFlux Data Access
- VARA Climate Change Assessment
- ORNL Forms Program

Computing Applications

R&D Applications



- Publications Tracking System (PTS)
- HFIR Proposal System (NSP)

Infrastructure Applications



- Time & Attendance Systems (Web PALS, PALS, ABSINQ, ATTEND)
- Library System (Aleph)
- Facilities Systems (FSC/FIC)
- Security Access & Control System (SACS)
- Environmental Management Information System (EMIS)

Enabling Technologies



- Single Sign-on
- External Authentication
- Software Registration System (SRS)
- Network Registration System (Netreg)
- Computer Account Management Systems (UCAMS/XCAMS)

Database Administration



- ORACLE DBA
- DB Backup & Recovery
- Tape Robot Administration
- Unix System Administration