

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

Becky Verastegui, Director

Linda Duncan, Division Secretary

Program Management

Dave Hamrin², Classification Officer/ Technical Information Officer Jim Pearce², Web Technologies

Cyber and Information Security Mike Turpin

Maggie Miller, Group Secretary

Computer and Network Security

Ryan Adamson4 Phil Arwood

Mark Flovd John Gerber¹

Greg Hinkel Matt Smith

Nan Spiers Carl Thomas

Dave Hamrin². Office of Technical Information and Classification.

Technical Lead

OAK RIDGE NATIONAL LABORATORY

U. S. DEPARTMENT OF ENERGY

Mike Aaron

Janie Blackwell

Jennifer Chambers³ Jamie Johnson⁶

Subcontractor

- **Dual Capacity**
- 3 Part-Time
- 5 Computer Protection Program Manager
- 6 Classified Matter Protection & Control Officer
- ORNL Telecommunications Manager

Network Services

Clark Piercy7

Janet Bradshaw^{2,3} Group Secretary

Network Operations Tom Daly4

Jimmy Duncan Rex Duncan

Warren Everett Joe Evon

Chuck Fisher Joe Foust

Susan Hicks Brenda Johnson

John Long Stephanie Mitchell⁴

Chip Newman Chad Pfleger

Keith Sanford **David Wantland**

Telecommunications and Audio Visual

Marion Henry

Jay Jernigan Bruce Johnston

Computing Infrastructure **Projects and Services**

Ann Farrar

Nancy McCurdy, Group Secretary

Brian Swail. Infrastructure Services

Technical Lead

Jack Breazeale¹ Cynthia Leach1 Joe Brown¹ Reggie Lindsey Jimmy Miller¹ Shui Chang Carlos Cunningham George Phipps1 Larry Rosenbaum Dennis Depp

Mark Dobbs Janie Sharp Dave Giles Brian Wallace Russ Hand Teresa Wilson¹

Tom Karaus

Suzanne Willoughby, Workstation Support

Technical Lead

James Calloway Jim Simmons Judy Green Jennifer Tippens Janice Greenwood Jim Trater Jim Rhyne Greg Winfree

David Sill

Doug Smelcer, Desktop Support and Helpline

Technical Lead

Kathy Brooks1 Janice Moody1 John Bui Anne Rowland Sheila Causby Anthony Seav Janice Hughes¹ Glenda Sharp Donna Inman Ed Stanford Lara James Lance Treadway1 Danny Walls

Ben Kelmers Tom Marsh¹

Karen Peacher, Project Management Technical Lead

Computing Applications and Web Technologies Ron Parr

Janet Bradshaw^{2,3} Group Secretary

Jim Pearce², Web Technologies

Technical Lead

Karen Barry

Laura Chavez-Becker Dennis Hovey

Cindy Latham Fern Stooksbury

Tom Willoughby

John Drake, Computing Applications

Technical Lead

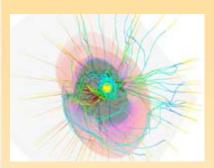
Deb Alvaro³ Bob Lushbaugh Bert Callahan Lynn Morton¹ Don Cross Steve Parham Mark Fletcher Rick Phillips Web Gudmundson Mike Pung Dolores Hight³ Paige Stafford

George Hill Rick Stephens Letitia Lewis³ Shirley Woods John Zisman Schree Liafsha



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/appearanc e
- Content management tools
- Enhanced Administrative Tools

Collaboration Portal Sites



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

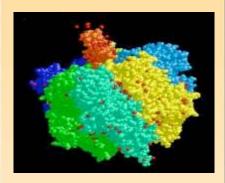
Web Applications



- 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