LEARN – TDL Partnership: An Important Alliance

Mike Phillips
May 18, 2010
Presentation Objectives

★ History of LEARN
★ LEARN Today
★ Network of Networks
★ It’s Not the Network
★ LEARN – TDL Partnership
LEARN: The Early Years

★ A Vision As Big As Texas
★ Legislative Authorization
★ Forming LEARN
★ The Big Announcement
★ Capital to Move Forward
A Young But Vital Organization

- Member Diversity
- Statewide Resource
- Almost 500 Affiliates
- Students Connected to LEARN
- Playing in the Big Sandbox
LEARN Network
LEARN Network & Valley
LEARN Services

- Layer 1 Transport
- Layer 2 FrameNet
- Co-Location Services
- Layer 3 Services
- R & E Layer 3 Aggregation
Member Diversity

- Public Higher Education
- Private Higher Education
- Community Colleges
- K – 12 Public Schools
- National Weather Service
Statewide Resource

- 3,000 Miles of Fiber
- DWDM Technology
- Points of Presence
- Network of Networks
Executive Committee

Maurice Leatherbury
Kamran Khan
Suzanne Montague
Pierce Cantrell
C. Van Wyatt
Marg Knox
Steve Riter
Mike Phillips
Board Leadership

- Jenifer Jarriel – BCM
- Pattie Orr – BU
- Michael E. Dobe, Sr. – Lamar
- Mickey Slimp – NETnet
- Luis-Pablo Grijalva – Prairie View A&M
- Kamran M. Khan – Rice
- Mark C. Adams – SHSU
- Joseph (Joe) Gargiulo – SMU
- Paul T. Davis – SFASU
- David A. Cantrell – TAMHSC
- Pierce E. Cantrell – TAMU
- Claudia McDonald – TAMU Corpus Christi
- Rodney (Rod) Zent – TAMUS
- William (Bill) E. Carter – TACC
- Bryan Lucas – TCU
- Steve Hyden – TETN
- C. Van Wyatt – TSU
- Sam Segran – TTU
- Kay Rhodes – TTUS
- Bill Palmertree – TWU
- Dennis Fouty – UHS
- Maurice Leatherbury – UNTS
- Bob Lim – UTPA
- Suzanne Montague – UT Arlington
- William Green – UT Austin
- Jim Gary – UT Dallas
- Stephen Riter – UT El Paso
- Kenneth (Ken) Pierce – UT San Antonio
- William (Bill) A. Weems – UTHSC Houston
- A. Jerome (Jerry) York – UTHSC San Antonio
- John D. Yoder, Jr. – UTHSC Tyler
- Keith Perry – UT MD Anderson Cancer Center
- Ralph Farr – UTMB
- Kirk Kirksey – UTSMC Dallas
- Margaret (Marg) Knox – UTS
Almost 500 Affiliates

- 426 ISDs or ESCs
- 12 Community Colleges
- 18 Colleges & Universities
- 10 Libraries
- 27 Other Organizations
Students Connected to LEARN

- 93% – 4 Year Colleges
- 58% – Higher Education
- 426 – ISDs or ESCs
- Texas Digital Library
Playing in the Big Sandbox

- Global Collaboration
- Supporting Big Science
- Regional Optical Networks
- National R & E Networks
- National Policy
Internet2

Internet2 Combined Infrastructure Topology
Portfolio of network infrastructure and services across the Internet2 footprint
National LambdaRail
Affiliated Networks

★ TTVN ★ SETG
★ THEnet ★ DIR
★ NETnet ★ TETN
★ NTG
LEARN’s Annual Report
September 2009
Large Hadron Collider

★ UT Arlington
★ UT Dallas
★ Southern Methodist University
★ Rice
Students at Baylor University access the Texas Digital Library through the LEARN network.
LEARN enables high definition video connections between the Texas A&M campuses in College Station and Qatar.
Hurricane Ike approaching Texas.
Cleaning Up the Cold War

⭐ Arms Reduction
⭐ UT Arlington – Dr. Asok Ray
⭐ Lonestar – TACC
⭐ NERSC – Berkley
Federated Authentication

- Shibboleth
- LEARN Financial Support
- Texas Federation
- LEARN Collaboration
- TDL
LEARN & TDL Members

- Baylor University
- Texas A&M University
- Texas A&M University – Corpus Christi
- Texas State University
- Texas Tech University
- Texas A&M Health Science Center
- University of Houston
- University of North Texas
- University of Texas at Arlington
- University of Texas at Austin
- University of Texas at Dallas
- University of Texas Southwestern Medical Center at Dallas
- University of Texas Medical Branch at Galveston
- University of Texas MD Anderson Cancer Center
LEARN & TDL Members

- Angelo State University
- Texas A&M University at Galveston
- Texas A&M University at Kingsville
- Texas A&M University at Qatar
- University of Texas at Brownsville
LEARN & TDL

Partnership in Service of Texas Scholars

The Texas Digital Library (TDL) and the Lonestar Education and Research Network (LEARN) have formed a strategic partnership to support collaboration among Texas higher education institutions and scholars. Through their partnership, TDL and LEARN will enhance access to online scholarly communication services and strengthen the preservation of digital assets.

Serving Texas Researchers

Both LEARN and the TDL serve the higher education community in Texas and seek to support the research and education missions of their members.

A non-profit collaboration of Texas higher education institutions, LEARN houses 35 members, representing 38 public universities, five private universities, and 50 community and junior colleges. Similarly, the TDL consortium includes 18 public and private higher education institutions, each of which also belongs to LEARN.

“Because everything we are doing in the Texas Digital Library relies on a robust network infrastructure, the LEARN partnership is key to our continued success.”

-Mark McFarland, TDL Co-Director

Pursuing Common Goals

Together, the TDL and LEARN are working to increase access to technological tools that make scholarly collaboration and publication possible. To that end, the partnership focuses its efforts on two common goals:

- TDL and LEARN will assist Texas institutions of higher education with the installation and use of Shibboleth, a federated authentication software that eases the sharing of applications among multiple institutions;
- Utilizing geographically distributed nodes on LEARN’s high-capacity computer network, TDL and LEARN will create a robust Preservation Network to protect the digital collections of TDL member institutions.

Leveraging Complementary Service Offerings

A partnership between TDL and LEARN brings together two sets of highly complementary digital services, allowing the organizations to play to their core strengths.

LEARN provides networking services, via an intra-state optical fiber network, that support research and education activities at Texas colleges and universities. This infrastructure is crucial to the TDL’s mission: the widespread dissemination of scholarly work via online tools such as institutional repositories, e-journals, blogs, and wikis.

“Texans have always been about sharing. Right now, it makes more sense than ever to share our resources and work together.”

-Michael Phillips, LEARN Executive Director

About LEARN

The Lonestar Education and Research Network (LEARN) is a non-profit collaboration of Texas higher education institutions that support their research, education, health care and public service missions through the innovative development, operation and utilization of advanced statewide networking and access to global services and related services. LEARN enhances Texas’ research and economic competitiveness by providing state-of-the-art, cost-effective data communications that improve education.

Services
- Collocation services
- Dedicated Wavenet services
- FrameNet services

Contact LEARN
P.O. Box 16920
Lubbock, Texas 79490
Ph. 806-743-7775
Fax: 806-743-7775

Find LEARN online at http://www.tx-learn.net.

About TDL

The Texas Digital Library (TDL) is a multi-campus, multi-university consortium providing the digital infrastructure to support a fully online scholarly community for institutions of higher education in Texas. Through the establishment of shared policies and standards, forums for professional interaction, and robust technical services, the TDL increases the availability of the enormous intellectual capital of Texas universities and preserves it for future generations.

Services
- Institutional repositories
- Electronic Journals
- ETD Submission and Management software
- Blogs, wikis, and faculty homepages
- Online conference management tools

Contact the TDL
P.O. Box 16920
Lubbock, Texas 79490
Ph. 806-743-7775
Fax: 806-743-7775

Find the TDL online at http://www.tdl.org.

For more information about the TDL/LEARN partnership, please contact:

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Michael Phillips, LEARN Executive Director
Phone: 806-743-7775
Email: mphi@texas Tech.edu
LEARN – TDL Partnership

★ Common Goals
★ Similar Memberships
★ We Need Each Other
★ We Care About Texas
LEARN: Lonestar Education and Research Network

The Lonestar Education And Research Network (LEARN) is a consortium of 36 organizations throughout Texas that includes public and private institutions of higher education, community colleges, and K-12 public schools. The Consortium, organized as a 501(c)(3), connects these organizations, and over 400 affiliated organizations, together with high performance optical network services to support their research, education, healthcare and public service missions. LEARN is also a part of a national community of research optical networks, and provides Texas connectivity to the national and international research and education networks.

LEARN’s Vision: To be the premier organization providing advanced network services for research, education, healthcare and economic development throughout Texas. LEARN will be a national model for organizations that serve institutions of higher education. We will provide leadership in creating global networking initiatives.