Furthering Research, Advancing Education, and Supporting Economic Growth through the Deployment of Next Generation Network Technologies
The FLR Difference

**ONLY FLR** combines advanced networking technology with a commitment to serving the needs of Florida’s Research and Education community.

Our participants are dedicated to fostering discovery and innovation. When you join FLR, you become part of a research and education network that was built from the ground up with the needs of organizations like yours in mind.

### STATE OF THE ART DATA NETWORK
FLR participants are provided with accessibility and connectivity to an advanced, highly scalable 100 Gbps broadband network that is designed to meet the ever-growing needs of Florida’s research and education community. Only FLR can provide access and connectivity to the national and global R&E networks.

### PRECISE AND COMPETITIVE PRICING
FLR is able to offer affiliates exceptional pricing with greater stability and flexibility than other alternatives. Internet access can be purchased in single megabit increments (starting at a minimum of 10) with additional capacity available ‘on demand’ to handle your short term needs for things such as moving large data sets. Participants also enjoy access to a growing list of FLR services including video conferencing and network security tools either free or at a reduced price.

### PEERING
FLR affiliates enjoy direct connections (called peering) with a broad range of telecommunications and network service providers. Peering works by bypassing standard internet connections which results in a reduction of bandwidth needs by as much as 40%, saving your organization money.

### FLEXIBILITY AND SECURITY
Florida LambdaRail can set up dedicated waves or pathways exclusively between and among FLR participants - a tool that ensures the security and speed necessary for transmitting large data sets. We also have the ability to establish dedicated virtual private networks (VPN) to securely connect your geographically separated local area networks, servers or intranets without the added expense of leasing additional lines.

### HOW DOES MY ORGANIZATION BECOME AN AFFILIATE OF FLR?
To become connected to FLR, your organization must meet one of the following conditions and be approved by our Board of Directors:

- Be an educational institution (i.e., private, non-profit educational institution, Florida public university, community college, for-profit college, or public/private school);
- Be an integral not-for-profit participant in a Florida 21st century economy initiative;
- Be in collaboration with a FLR participant in support of research, education, or 21st century economy initiatives provided such participation does not jeopardize FLR’s non-profit status;
- Facilitate connecting state or local governmental entities that do not conflict with the purpose of FLR.

### STRATEGIC PARTNERSHIPS
FLR has established strategic partnerships with numerous entities in order to provide your organization with enhanced services and great value:

**Internet2** - A leading provider of rich online content in the k-20 academic space. I2 brings together primary and secondary schools, colleges and universities, libraries, and museums to extend new technologies, applications, middleware, and content to all educational sectors, as quickly and connected as possible. A FLR connection is the only way to access this cutting-edge content in Florida.

**AmericasPATH (AMPATH)** - Housed at FIU, serves as the premier Network Access Point (NAP) between the United States, Latin America and the Caribbean. AMPATH works as a major research facility recognized by the U.S. National Science Foundation, supporting international e-science.

**AtlanticWave** - An international fabric of shared networks (peering) that interconnects the United States, Canada, Europe and South America.

**Energy Sciences Network (ESNET)** - Links scientists at national laboratories, universities and other research institutions, enabling them to collaborate on some of the world’s most important scientific discoveries.

**Sunshine State Education & Research Computing Alliance (SSERCA)** - Florida university consortium for advanced research computing and big data analysis.

**Science DMZ** - Fast and secure network environment for the benefit of research and discovery.

**United States Unified Community Anchor Network (U.S. UCAN)** - Connects anchor institutions such as law enforcement, local government, libraries, etc. to advanced broadband capabilities.
Florida LambdaRail

At FLR we are proud to service the needs of leaders in education, research, health care, the arts, government and more. We currently serve 12 equity partners institutions and dozens of participants. Will you be the next to join?

**FLR Partners and Participants**

**FLR Equity Partners**
Florida Atlantic University
Florida Gulf Coast University
Florida Institute of Technology
Florida International University
Florida State University
Nova Southeastern University
University of Central Florida
University of Florida
University of Miami
University of North Florida
University of South Florida
University of West Florida

**FLR Network Participants**

**State Colleges**
- College of Central Florida
- Florida Gateway College
- Southwestern State College
- Florida State College at Jacksonville
- Gulf Coast State College
- Hillsborough Community College
- Indian River State College
- Lake-Sumter Community College
- Miami Dade College
- Palm Beach State College
- Pasco-Hernando State College
- Pensacola State College
- Polk State College
- Seminole State College
- St. Petersburg College
- State College of Florida Manatee-Sarasota
- Valencia College

**Higher Education**
- Barry University
- Eckerd College
- Embry-Riddle Aeronautical University
- Florida A&M University
- Johnson and Wales University
- Rollins College
- St. Thomas University

**K-12 Education**
- Bay County School District
- Broward County School District
- Clay County School District
- Escambia County School District
- Gulliver Schools
- Palm Beach County School District

**Other Education**
- Florida Department of Education
- Florida Virtual Campus

**Government**
- Bradford County
- City of Boca Raton
- City of Clermont
- City of Delray Beach
- City of Gainesville
- City of Jackson
- Lee County Clerk of the Court
- Martin County
- Office of State Courts Administrator
- Orange County
- Palm Beach County

**Healthcare**
- Bethesda Health
- Boca Raton Regional Hospital
- Broward Health
- Central Florida Health Alliance
- UF Health - Shands Hospital
- Tallahassee Memorial Healthcare

**Not-For-Profit**
- BROWARD Center for the Performing Arts
- Florida Guardian ad Litem
- Jesse Ball DuPont Foundation

**Research**
- Gateway Institute for Brain Research
- Max Planck Florida Institute
- Moffit Cancer Institute
- NOAA
- Sanford Burnham Prebys Institute
- Scripps Research Institute
- UF Institute for Food and Agricultural Sciences (IFAS)

**Infrastructure as a Service (IaaS) Providers**
- Education Networks of America (ENA)
- NAP of Central Florida
- Northwest Regional Data Center

**KEY FACTS**

- **COVERAGE**: 1,540 MILES
- **Backbone Capacity**: 100Gbps
- **Ownership**: 12 Equity Partners
  - 9 Public Universities
  - 3 Private Universities
- **Links to other regional, national and international networks**

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