

# INTERNET2 FALL MEMBER MEETING UPDATE

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# Dave Lambert Keynote

## ▣ Primary Challenges

1. Impact of Globalization
  - Global enrollment has doubled in 20 years
  - 160 American universities overseas
  - 3 million students study from home
  - Need to be in the global business
2. Changing Nature of Science and Research to Large-Scale, Distributed Projects
  - Example: Large Hadron Collider
  - Cost of research requires partners
  - More and more alliances with other universities around the world (Michael McRobbie, President, Indiana University)
3. Impact of For-Profit Providers
  - Demand for education not being met by traditional institutions alone

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- ▣ Primary Challenges (continued)
  4. Lifelong Learning Increasing the Critical Role of Community and Vocational Colleges
    - Accessibility and affordability
      - Lowers costs to students
      - Brings education to the community
  5. Impact of Decreased Public Funding for Universities and the Increased Cost of Education
    - Role of vocational and community colleges
    - Solutions need better end-to-end infrastructure
  6. Risk Management and Business Resiliency Requirements
    - Higher education is a business. If our business delivery is not resilient, the student will go elsewhere
    - Examples: Impact of Katrina

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- ▣ Community Ecosystem
  - NRENs are complicated
  - Decisions made at one level affect all levels



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## 7 Key Opportunities

1. Advanced Network Services Leadership
  - Core competency of Internet2
2. Services Above the Network/Cloud Services
  - Federated Identity
  - Cloud Services
  - Certificate Authority
3. U.S. UCAN
  - Expand the network and services to the community
  - Reconnect universities to communities
4. National/Regional Collaboration
5. Global Reach and Leadership
  - Global campuses
  - Must be sure global layer works effectively
  - Support end-to-end applications
6. Research Partnership Development and Engagement
7. Industry Partnership Development and Engagement



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How do we assist globalization

- Help develop NRENs
- World Bank will sponsor Emerging NRENs meetings at the Internet2 Spring Member Meeting

Challenge members to answer the question  
“What is your role?”

<http://events.internet2.edu/2010/fall-mm/agenda.cfm?go=session&id=10001401&event=1159>



# Thursday Keynote

Lawrence Strickling: National  
Telecommunications and Information  
Administration

Lev Gonick: Case Western Reserve University

- ▣ "Case Connection Zone" project
  - Bringing gigabit fiber connections to underserved Cleveland neighborhoods

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