

Network Applications:

Internet2, NIU, and Access Grid

David J. Gunkel

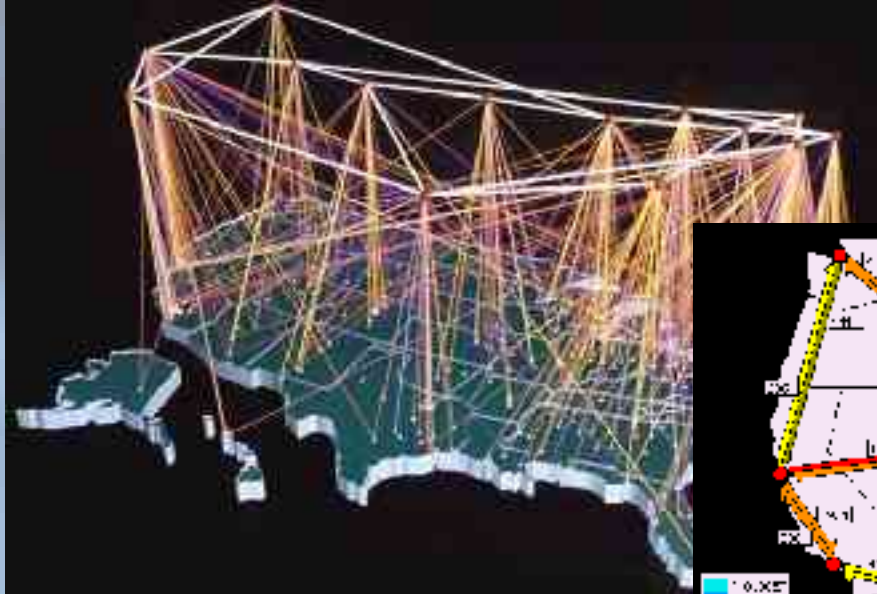
Associate Professor

Department of Communication

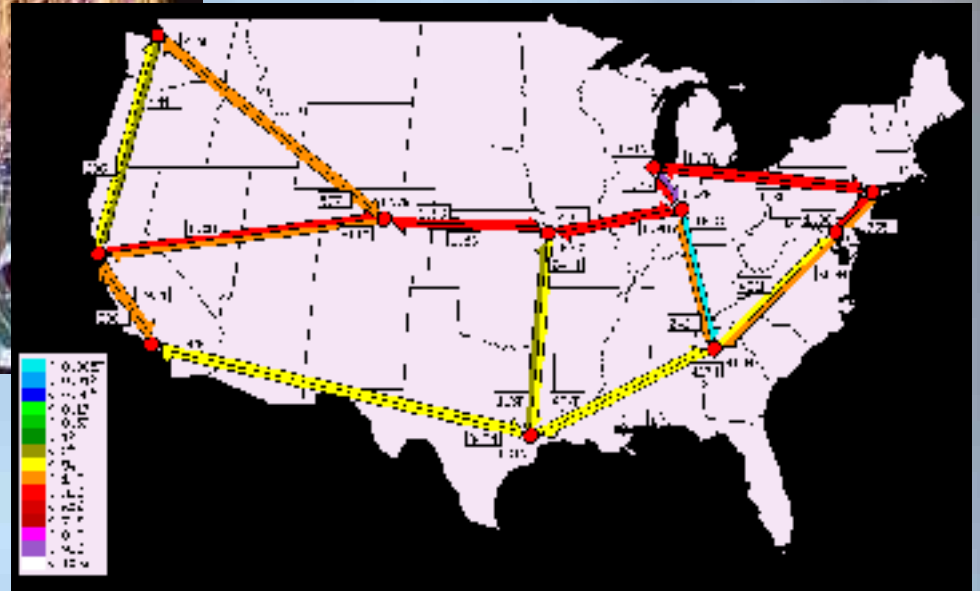
dgunkel@niu.edu

1. The Difference
2. End-User Applications
3. NIU Implementation

The Difference



Internet Backbone - 1997



Abilene Network at 10Gbps - 2006

The Difference



World Wide Web



The Difference



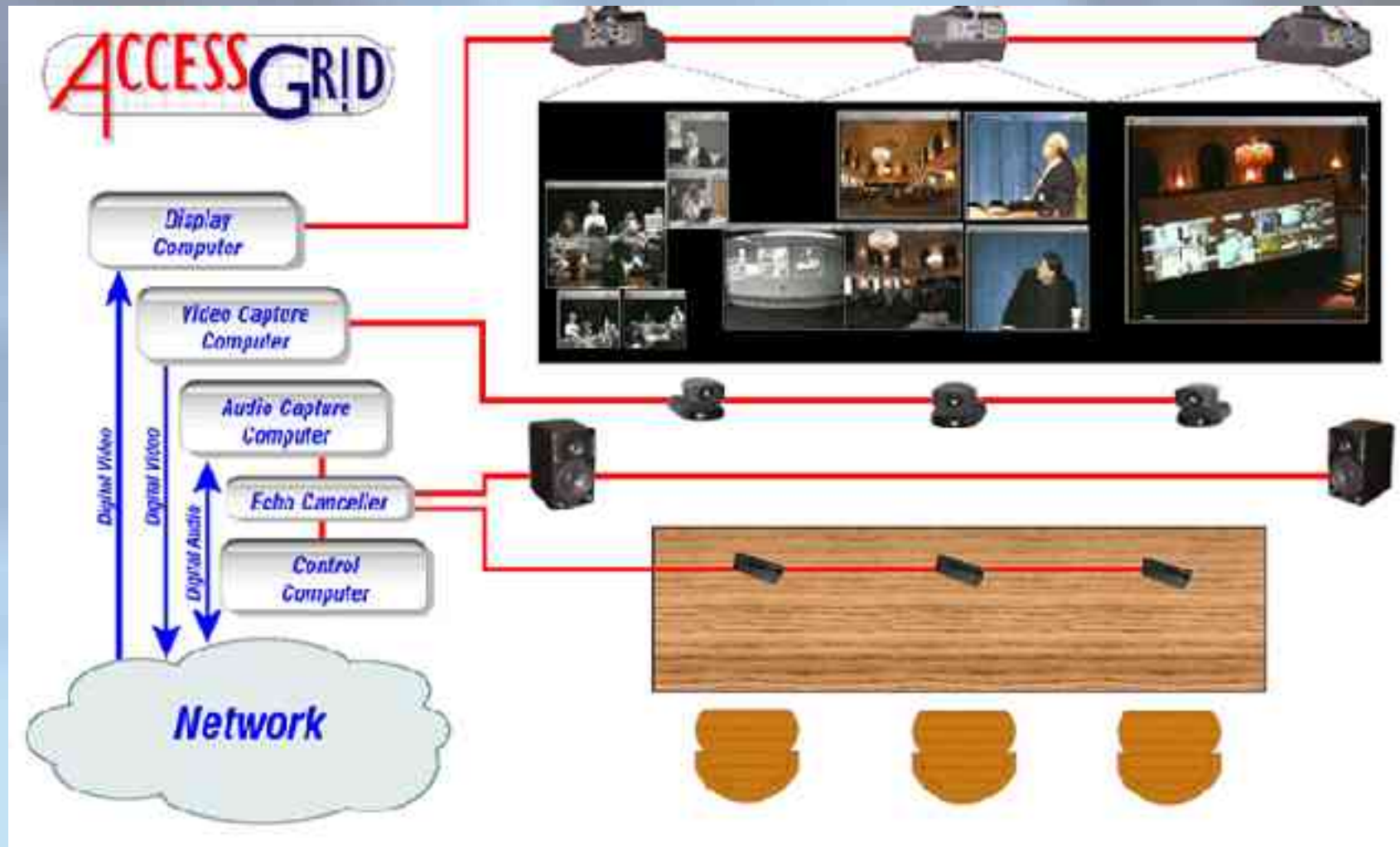
Grid Computing



End User Applications



End User Applications



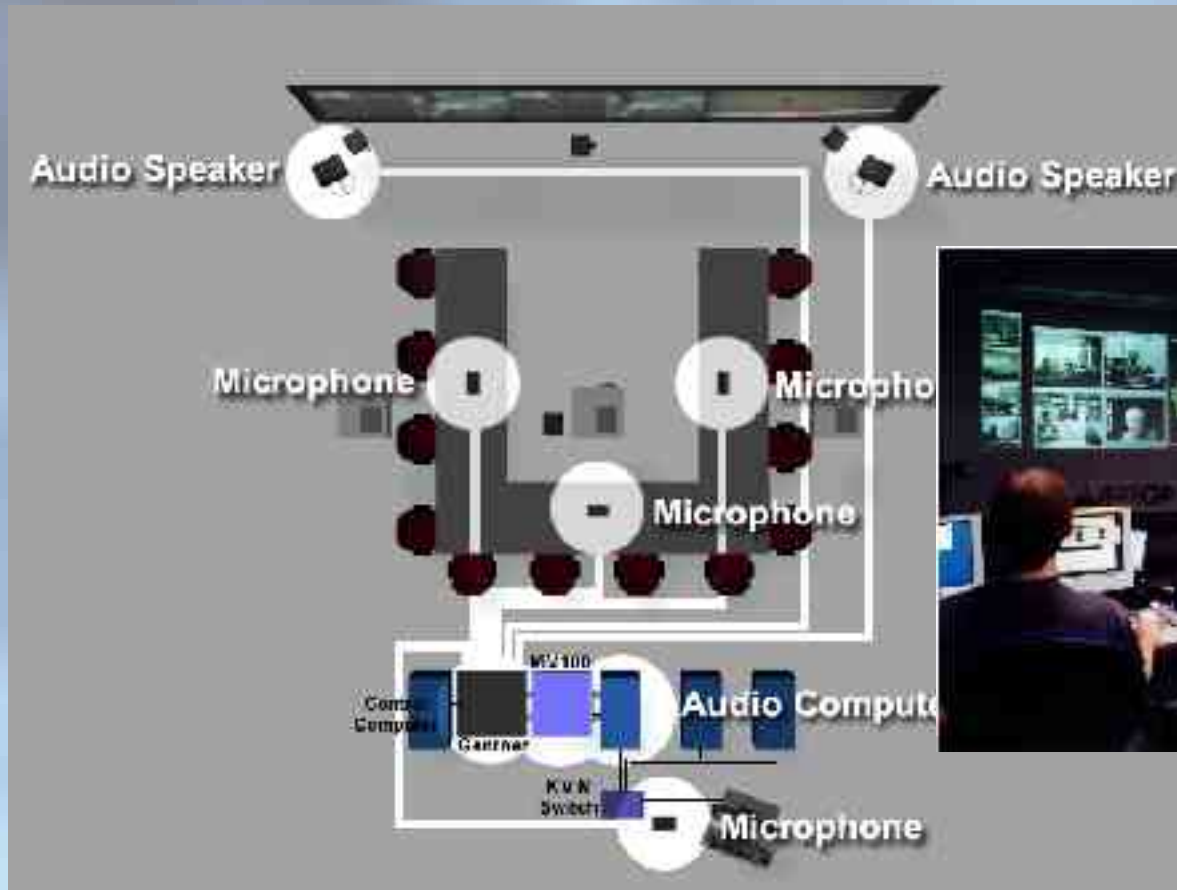
End User Applications



PIG - Personal
Node Installation
of Access Grid



End User Applications

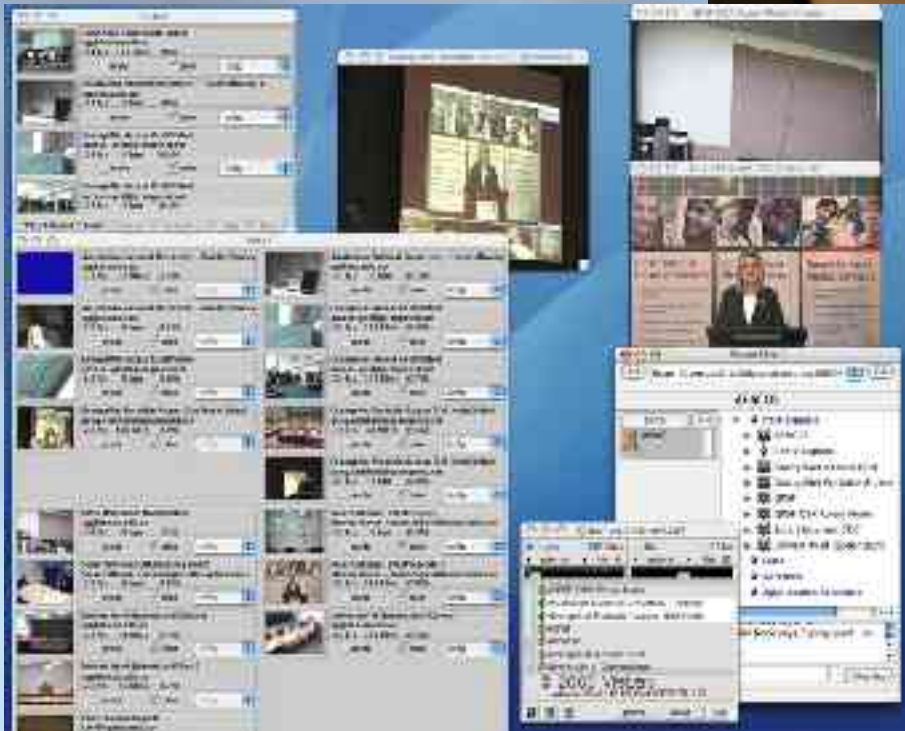


Room-Based Access Grid Node

End User Applications



Conference Center
Access Grid Node



End User Applications

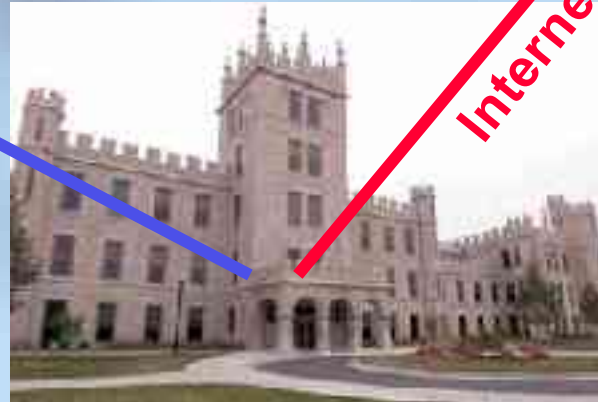


In Common Time
SIGGRAPH 2005

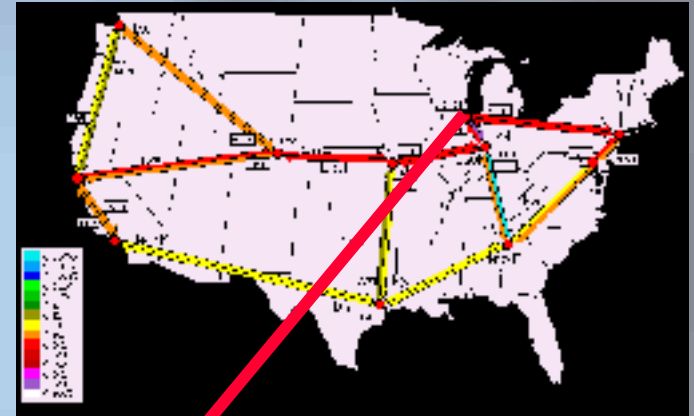
NIU Implementation



NIUNet



Internet 2



NIU Outreach
NORTHERN ILLINOIS UNIVERSITY