



Welcome to
Chinese American Networking Symposium
(CANS 2004)
Toward Next Generation Advanced Networks

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November 30, 2004

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The Birth of CANS

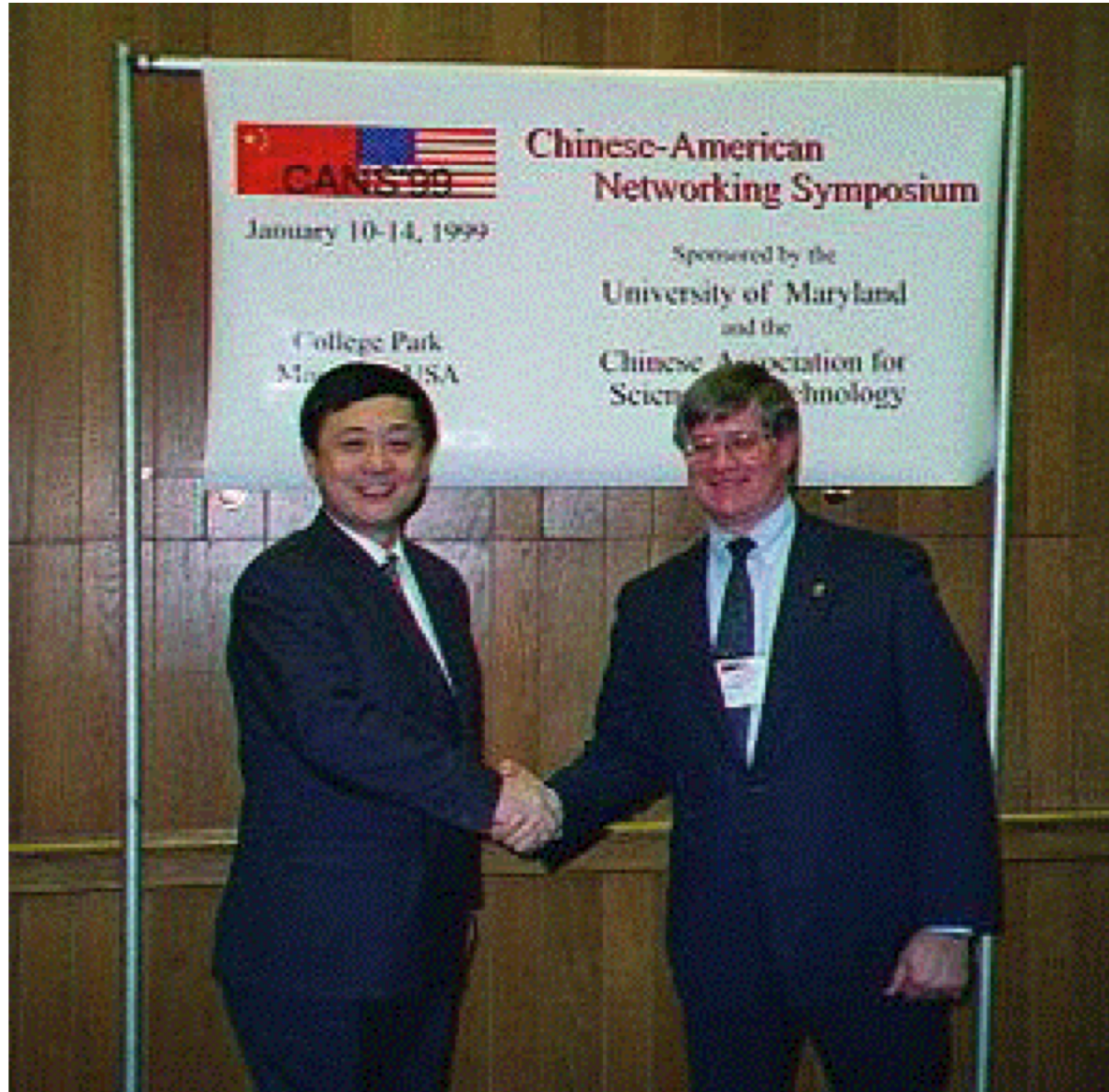
- The CANS concept was initiated in the summer of 1998 by the Chinese Association for Science and Technology (CAST), USA, and the University of Maryland (UMCP)
- **OBJECTIVES**
 - *Bring top network leaders from China and United States together to exchange information and experience, and promote partnerships between American and Chinese educational and research institutions, and the industry*
- CANS '99 was held at UMCP in January, 1999, co-sponsored by CERNET and CSTNET.
- Attendees: more than 50 executives, network industry leaders, and officials from China, and over 60 participants from the USA.
- We liked it so much, we haven't stopped doing it.....
 - An "annual" event, alternating between USA and China.



CANS '99 in College Park, MD



**Don
and
WU
Jianping**



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Doug Van Houweling: 1999

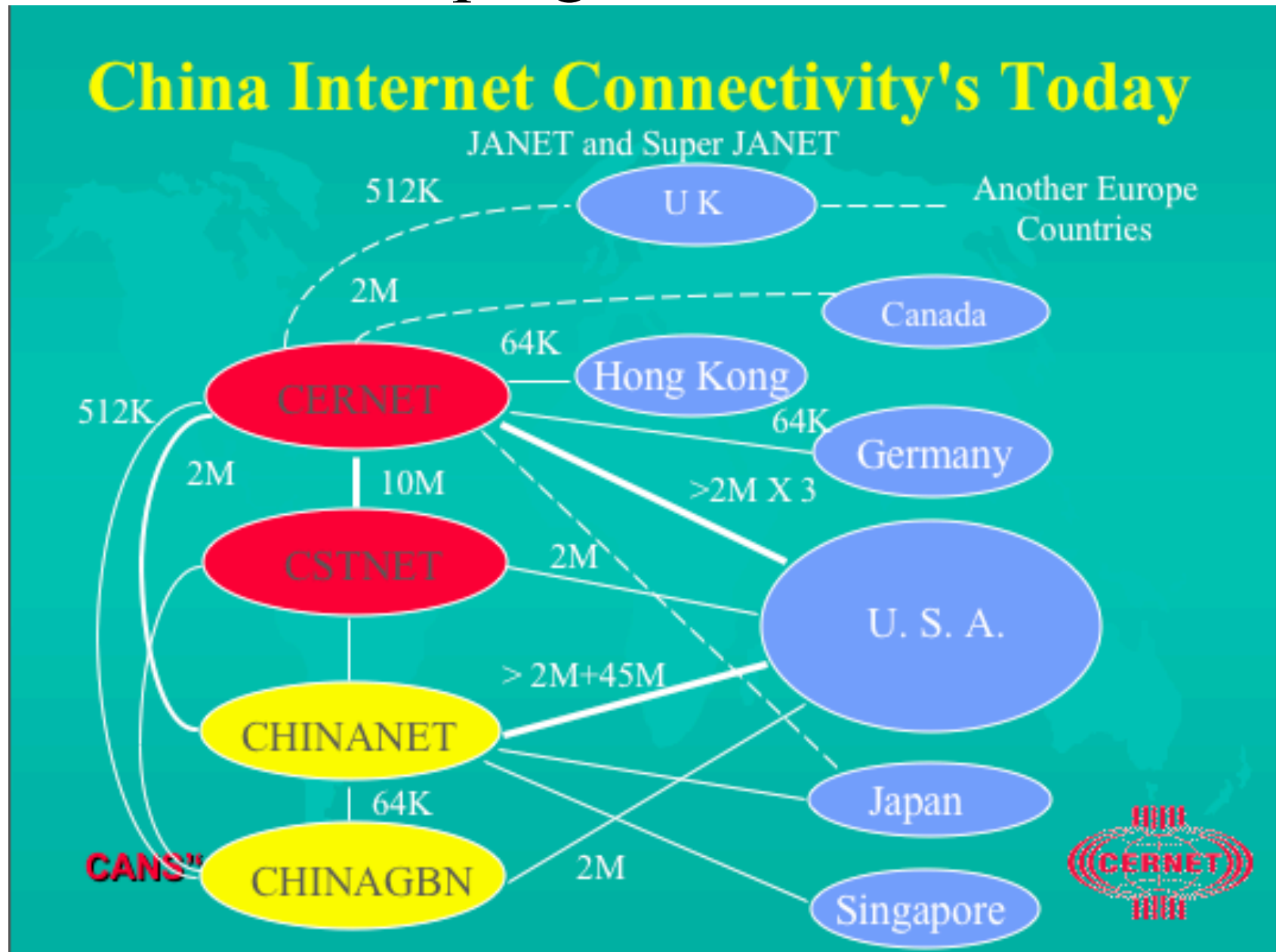
History of Internet2

- ∞ September 1995: Monterey Futures Conference
- ∞ August 1996: Cheyenne Mountain Workshop
- ∞ October 1996: Internet2 Project formed
- ∞ January 1997: First Internet2 Member Meeting
- ∞ October 1997:UCAID formed
- ∞ April 1998: Abilene Project Announced
- ∞ September 1998:
Middleware Initiative Announced
- ∞ January 1999:
Abilene in Production



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Jianping Wu: 1999



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Baoping Yan: 1999

- **Scale of CSTNet**
 - **A national S&T network based on NCFC and CASNet, connecting a lot of non-CAS S&T units spread across China.**
 - **Ways of connection**
 - optic fiber: 100-plus lines , among which 45 in Zhongguancun Area with rate of 100Mbps or 10Mbps
 - satellite: 40 stations with a total band width of 7M (64, 128, 256, 512 Kbps)
 - DDN: over 10 lines (64, 128, 256Kbps)
 - microwave: 80 sets (2M, 3Mbps)
 - ISDN and HDSL
 - **Work units networked with CSTNet: more than 300**
 - **Bandwidth of international channels: 4Mbps (US), 128Kbps (Japan), 64Kbps (France)**
 - **International traffic: inbound/outbound 12G/3G/per day**
 - **Access networks:500-plus, end users : over 100,000, directly-networked computers: 50,000**
 - **Connection with other networks:**
- **Cernet 100Mbps, Chinanet 2Mbps, GBNet 256Kbps**

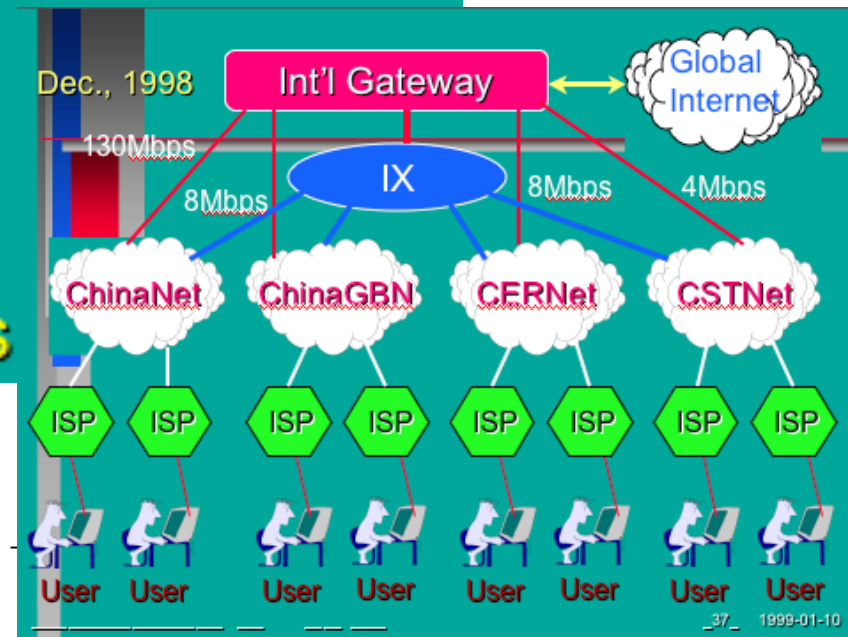


Xiaofan Zhao: 1999

Ministry of Information Industry (MII)

Rules and Procedures to Reform MII:

- ♥ Separating Government and Enterprises
- ♥ Changing Their Responsibilities
- ♥ Breaking Monopoly
- ♥ Protecting Competition
- ♥ Tiring up Rights and Duties



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CANS 2000, Beijing



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Plenary Panel



Signing of Internet2 MOU: UCAID, CERNet, CSTNet, and NSFCNet



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Certificate of Recognition



中国科技网

Presented to

Dr. Donald R. Riley

As

Senior Advisor to China Science and Technology Network

By

Chinese Academy of Sciences

And

Computer Network Information Center of CAS



江锦怡代

PRESIDENT, CHINESE ACADEMY
OF SCIENCES



尚保平

DIRECTOR, COMPUTER NETWORK
INFORMATION CENTER OF CAS

May. 28, 2000

Banquet hosted by Chinese Academy of Sciences



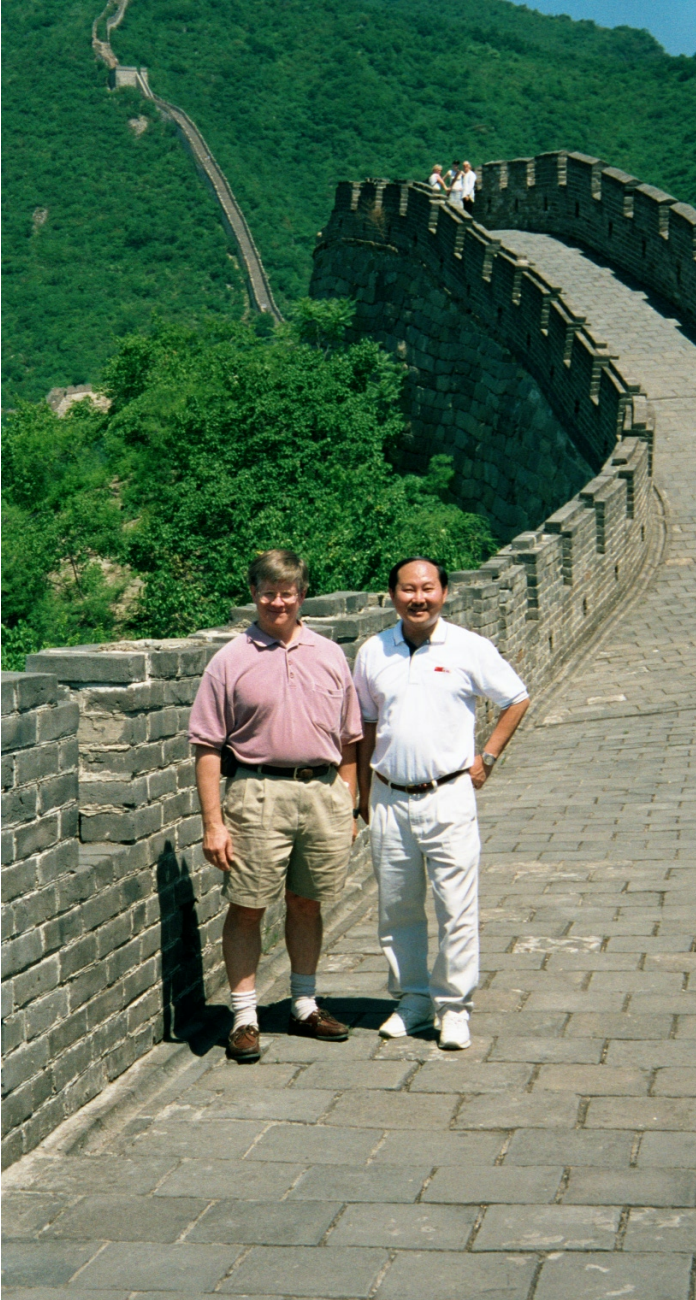
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Banquet Memories



Great Wall: Don and Bill - the long climb



Great Wall: US Group “at the top”



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CANS 2001 - Maryland



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CANS 2001 Program



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Crab Feast



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Crab Feast



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Crab Feast



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Crab Feast



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CANS 2001



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U.S.-China Science & Technology Innovation Park at the University of Maryland

- **MOU between University of Maryland and Ministry of Science and Technology (MOST) of China**
- **Now part of bilateral agreement between MOST and U.S. Department of Commerce**



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CANS 2002 - Shanghai

CANS·2002



Chinese - American Networking Symposium



CANS 2002 - Serious Stuff



CANS 2002 - Really Serious Stuff



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CANS 2002 - Fun Stuff



CANS 2004 ORGANIZERS

- **Internet2, USA**
- **Chinese Association for Science and Technology (CAST-USA), USA**
- **China Education and Research Network (CERNET), China**
- **China Science and Technology Network (CSTNET), China**

- **LOCAL HOST**
Florida International University



Organizing Committee

- **Co-Chairs:**

- Donald R. Riley, Professor, University of Maryland, and Chair, Internet Educational Equal Access Foundation, USA
- Douglas Van Houweling, President and CEO, Internet2, USA
- Jianping Wu, Director, CERNET Center, Tsinghua University, China
- Baoping Yan, Director, Computer Network Information Center, Chinese Academy of Sciences, China

- **Members:**

- Heather Boyles, Internet2, USA
- Jacqueline Brown, University of Washington, USA
- William Y. Chang, National Science Foundation, USA
- Julio Ibarra, Florida International University, USA
- Chris Kong, CAST-USA
- Xing Li, Tsinghua University, China
- Zhiyong Liu, National Natural Science Foundation of China
- Kai Nan, CSTNET, China
- Shuigen Xiao, CAST-USA



Program Committee

- **Co-Chairs:**

- Jacqueline Brown, Assistant Vice Provost, University of Washington, USA
- Xing Li, Associate Director, CERNET Center, Tsinghua University, China
- Hualin Qian, Chinese Academy of Sciences, China

- **Members:**

- Peter Arzberger, PRAGMA, USA
- Greg Cole, GLORIAD Project, USA
- Ted Hanss, Internet2 and the University of Michigan, USA
- Julio Ibarra, Florida International University, USA
- Chris Kong, CAST-USA, USA
- Kai Nan, CSTNET, China
- Jan Poley, ADEC, USA
- Jim Williams, Indiana University, USA
- Ling Zhang, CERNET, China
- Xijun Zhao, CAST-USA



Logistics Committee:

- **Chair:**
 - Julio Ibarra, Florida International University, USA
- **Members:**
 - Jennifer An, CERNET, China
 - Lidice Bory, Florida International University, USA
 - Heather Boyles, Internet2, USA
 - Allan Llanos, Florida International University, USA
 - Kai Nan, CSTNET, China
 - Donald R. Riley, University of Maryland, USA
 - Fiorella Salinas, Florida International University, USA
 - Shuigen Xiao, CAST-USA, USA
 - Mitchell Wu, CAST-USA, USA
 - Yuan Zhang, CERNET, China



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CANS 2004: What should we expect?

- **A Great Program**

- Changes since 1999
- Changes since just last year
- Common progress
- Common challenges
- Common opportunities

- **Outcomes?**

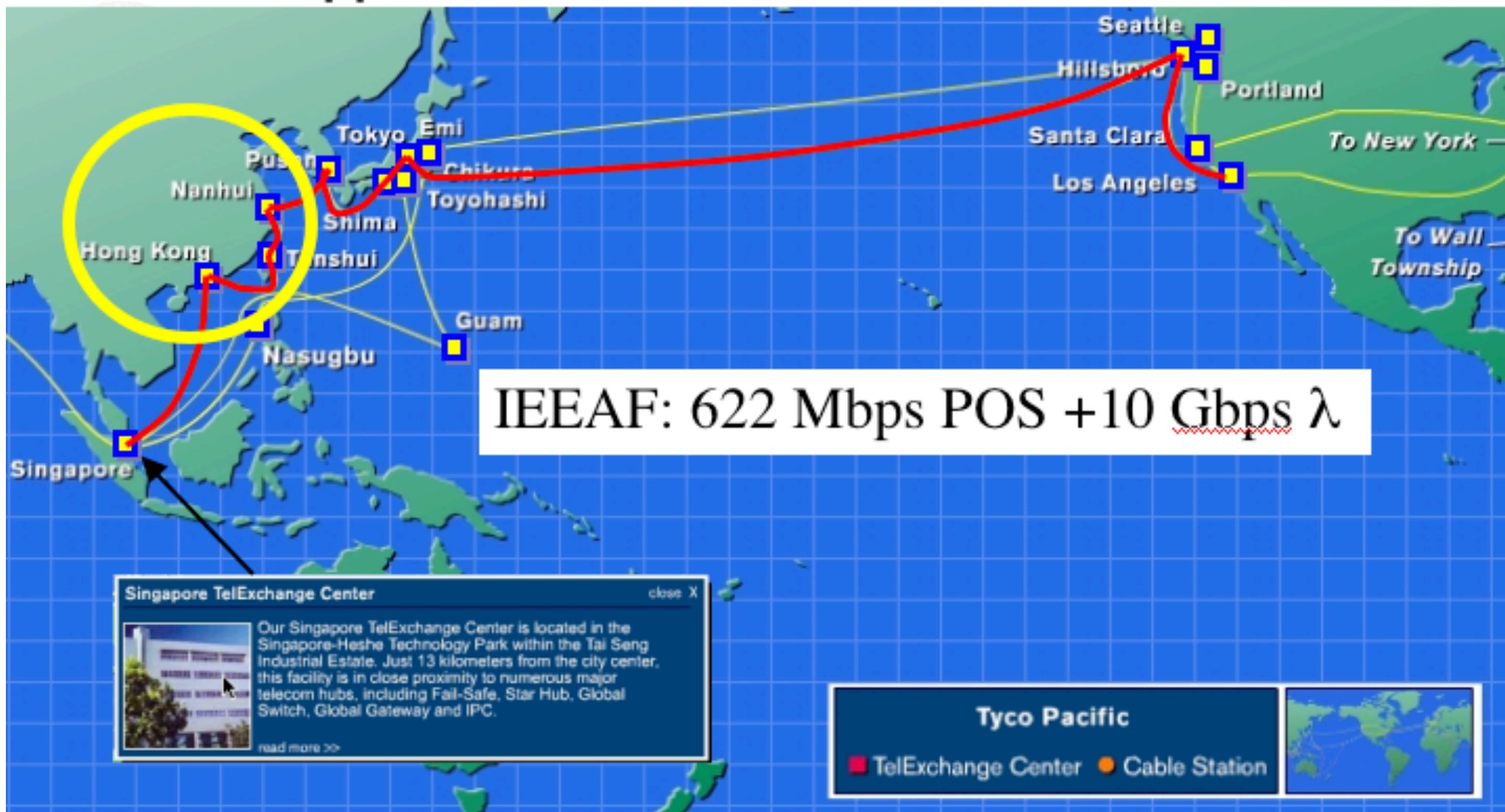
- Information and knowledge
- Friendships and understanding ---> Community
- Some specific collaborations/projects that we can work on together
- See/hear the progress next year at CANS.... In China



Internet Educational Equal Access Foundation



China Opportunities ?? !!!!!



Welcome to CANS 2004 USA



What will we celebrate together
next year at CANS 2005 in China?



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