

CANS 2012

One Network, One World

Pacific Northwest Gigapop, Pacific Wave, and the University of Washington are honored to host the 2012 Chinese American Networking Symposium in Seattle. PWNGP, Pacific Wave and UW have built extensive partnerships with many institutions in China and are confident that the symposium will greatly enhance relationships among our colleagues in the United States and China.

Since 1999, this annual event has brought together leading networking experts from the US and China to share cutting-edge technical knowledge and information on state-of-the-art networks, and best practices for managing advanced international networks. CANS continues to foster creative collaborations among educational and research institutions. The symposium brings together technology partners from both nations to spur innovation, new ideas, and further the beneficial uses of global networking and infrastructure deployment.

PWNGP, Pacific Wave, and UW are thankful for the tremendous support of the National Science Foundation, Internet2, and other generous symposium sponsors to make this year's event the best ever. The planning committee has worked hard to ensure that our discussions and collaborations expand our research and scholarly activities and strengthen institutions on both sides of the Pacific.

Sunday, October 7

18:00 – 20:00 Conference Check-in, Crowne Plaza hotel lobby

Monday, October 8

7:00 – 9:00 Conference Check-in, Crowne Plaza hotel lobby

7:30 – 8:30 Continental Breakfast, Yellowstone room, lobby level

8:30 – 10:00 Working Group Meetings

IPv6, San Juan, 5th floor

Software Defined Networks, Yosemite, 3rd floor

e2e Performance and Measurement, Carlsbad, lower level

Federated Identity, McKinley, 3rd floor

10:00 – 10:30 Morning Break, Yellowstone room, lobby level

10:30 – 12:00 Working Group Meetings continue, same rooms

12:00 – 13:00 Lunch, Yellowstone room, lobby level

13:00 – 13:30 Private meeting with University of Washington President, Michael Young

13:30 – 15:00 Opening Ceremony, Sequoia/Glacier, lobby level

Chair: Steve Smith, PNWGP Board Chair

President Michael Young, University of Washington

Jianping Wu, CERNET

Kai Nan, CAS CNIC

David Lambert, Internet2

Xiaoming Sheng, CAST-USA

Kevin Thompson, National Science Foundation

Don Riley, University of Maryland

Shuigen Xiao, Georgetown University

Michael Sinatra, ESnet

John Silvester, CENIC

Ron Johnson, Pacific Northwest Gigapop

15:00 – 15:30 Afternoon break, Yellowstone room, lobby level

15:30 – 17:00 Keynote Presentations, Sequoia/Glacier, lobby level
Chair: Steve Wolff, Internet2

eScience: Computational Science for the 21st Century

Ed Lazowska, Bill and Melinda Gates Chair in Computer
Engineering, University of Washington

Cyberinfrastructure Frameworks for Community Driven Science

Gwen Jacobs, Professor of Neuroscience, Montana State University

17:30 Depart for Opening Reception and Dinner, University of Washington
Motorcoaches will leave from the lobby level of the Crowne Plaza
If driving yourself, please consult the UW site for directions
http://www.cs.washington.edu/visitors/getting_here

18:30 Dinner in the Atrium of the Paul G. Allen Center for Computer Science &
Engineering

21:30 Expected return to the Crowne Plaza

Tuesday, October 9

7:30 – 8:30 Continental Breakfast, Yellowstone room, lobby level

8:30 – 10:00 Session I: Scientific Research Collaborations, Sequoia/Glacier

CSTNET Collaboration on Science and Technology

Yan Zhao

The Scientific and Educational Research Collaborations of CERNET

Jilong Wang

10:00 – 10:30 Morning Break, Yellowstone room, lobby level

10:30 – 12:00 Session II: End-to-end Performance and Measurement, Sequoia/Glacier

perfSONAR Introduction, US Deployment and Development Plans

Jason Zurawski

Research on Key Technologies for Large-scale Network Measurement

Haina Tang

CERNET Activities on End-to-end Performance and Measurement

Jilong Wang

IPv6 Measurement Related Activities

Michael Sinatra

Elephant Flows

John Hicks and Jilong Wang

12:00 – 13:30 Lunch, Yellowstone room, lobby level

13:30 – 15:00 Session III: Federated Identity, Sequoia/Glacier

An Identity and Access management cloud for a very large organization

Jiwu Jing

Introduction of CARSI Federation

Ping Chen

IAAA (Identity, Authentication, Authorization, Auditing) practice of E-Campus

Zhikun Zhang

Grouper and CIPHER Projects in the U.S.

Tom Barton and Rob Carter

InCommon and U.S. Efforts in Federation and Identity Management

Jack Suess

15:00 – 15:30 Afternoon Break, Yellowstone room, lobby level

15:30 – 17:00 Session IV: Software Defined Networks and other Developments,

Sequoia/Glacier, lobby level

Openflow Testbed in CSTNet
Yuepeng E

FINE Project – Future Internet Innovation Environment
Jun Bi

Mobile Trends and the Future
David Morton

- 17:30 Depart for the Museum of Flight
Motorcoaches will leave from the lobby level of the Crowne Plaza
If driving yourself, please consult the MOF site for directions
<http://www.museumofflight.org/>
- 18:15 Private tour of the Museum
- 19:15 Dinner
- 21:30 Expected return to the Crowne Plaza

Wednesday, October 10

7:30 – 8:30 Continental Breakfast, Yellowstone room, lobby level

8:30 – 10:00 Session V: University Technology Organization and Management, Sequoia/Glacier

Zhensheng Zhao, CSTNet
Ling Zhang, CERNET
Tom Delaney, New York University
Kelli Trosvig, University of Washington
Steve Smith, University of Hawaii
Jack Suess, University of Maryland, Baltimore County

10:00 – 10:30 Morning Break, Yellowstone room, lobby level

10:30 – 12:00 Session VI: Panel on University Technology Organization and Management, Sequoia/Glacier

Jianping Wu, Tsinghua University
Bei Zhang, Peking University
Zhensheng Zhao, CSTNet
Tom Delaney, New York University
Kelli Trosvig, University of Washington
Steve Smith, University of Hawaii
Jack Suess, University of Maryland, Baltimore County
Songlin Feng, Shanghai Advanced Research Institute
Tiejun Luo, Chinese Academy of Sciences
Lin Zhang, South China University of Technology

12:00 – 13:30 Lunch, Yellowstone room, lobby level

13:30 – 15:00 Session VII: IPv6, Sequoia/Glacier
Research and Implementation of IPv6 Network Intrusion Detection

Chun Long

Risks of Not Deploying IPv6 Now
Michael Sinatra

IPv6 in the NGN
Bill Manning

15:00 – 15:30 Afternoon break, Yellowstone room, lobby level

15:30 – 17:00 Wrap-up and Next Steps, Sequoia/Glacier, lobby level