

## Welcome to GENI

Global Environment for Network Innovations

GENI Engineering Conference (GEC) 2

www.geni.net

Clearing house for all GENI news and documents



# GENI Engineering Conferences Meet every 4 months to review progress together

- GEC 1: Oct. 9-11 in Minneapolis
- GEC 2: March 3-4 at NSF in Washington
  - Review current GENI status, Working Group meetings
- GEC 3: July 21-23, 2008 at HP, Palo Alto, open to all With many thanks to Jack Brassil of HP!
- Subsequent Meetings, open to all who fit in the room
  - Held at regular 4-month periods
  - Geographic rotation through US (central, east, west)
  - Held on / near university campuses volunteers?
  - Travel grants for participant diversity (US academics only)
  - Survey question: should 'east' always / often be in DC?



## This Conference's Theme

## An End-to-end GENI Use Case

## Thinking through an End-to-end GENI Use Case

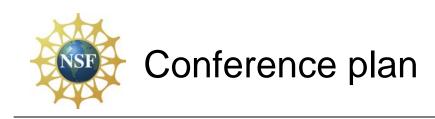
- A start-to-finish worked example of how GENI will work in practice, to a moderate level of technical detail
- Just one of many possible use cases; we will develop others in the coming months
- This one: "Distributed Computing over Heterogeneous Networks"

## GEC 2 is organized around this use case

- Single-track, let's all see everything together
- Each working group will consider the same use case from that group's perspective

## GEC 3 will likely have a different dynamic

- We have received 73 proposals; many are excellent
- Many can get exciting prototypes/trials up and running within 6 months
- With luck they will be funded by GEC 3
- Thus GEC 3 will likely focus on specific analysis, prototypes, and trial integrations to drive discussions



Monday

Tuesday

Keynote Speech, Dr. Jeannette Wing

**GENI Use Case** 

**Invited Talks** 

Lunch\* (12:45 – 2 PM)

Working Group Meetings

Reception (6 PM, Westin)

Working Group Meetings

Lunch (12 – 1:30 PM)

**Invited Talks** 

GSC & GPO Updates

<sup>\*</sup> International BOF lunch is meeting in this room, and seems quite popular.



#### Lunches

- You're on your own; be back by 2 PM
- There are many good places to eat nearby; ask a local
- International BOF is here; sandwiches etc. for purchase if you signed up

### Computers

- Power available outside in the annex (fire regulations)
- Wifi available through NSF, with aid available in annex

### Meeting details

- Meeting is being audio-recorded for public website, with presentations
- Please use your feedback survey (see email) to improve later GECs

#### Rooms

- Restrooms outside beyond the annex
- Breakout rooms available; ask at conference desk

### "Table-manship"

- Come up front when directly interested / involved in a session
- Everyone should try the table on for size at least once!



## Some key introductions

- GENI Science Council (GSC)
  - Prof. Ellen Zegura, Chair
- GENI Working Group Chairs
  - Prof. Jeff Chase, Prof. Patrick Crowley, Prof. Joe Evans, Prof. Jay Lepreau, Prof. Larry Peterson, Ms. Heidi Picher-Dempsey, Dr. Kristin Rauschenbach, Prof. Henning Schulzrinne, Mr. John Wrocławski
- National Science Foundation CISE
  - Dr. Ty Znati, Dr. Suzi Iacono, Ms. Gracie Narcho
  - And many others!
- GENI Project Office (GPO) staff



# Dr. Jeannette Wing NSF Assistant Director for CISE

- International leader in formal methods
  - MIT PhD, Computer Science
  - Joined CMU in 1985, recently department chair
  - > 100 refereed publications, editorial boards of 9 scientific journals
  - Many honors including ACM, IEEE, and AAAS Fellow
- Current national responsibilities
  - CISE budget of over \$638 million (86% of all federally funded research in computer science)
- Vision, clarity, and force!
  - A great speech to the National Science Board

