



# Welcome to GENI

Global Environment for Network Innovations

GENI Engineering Conference (GEC) 2

**[www.geni.net](http://www.geni.net)**

Clearing house for all GENI news and documents



# GENI Engineering Conferences

Meet every 4 months to review progress together

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- **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

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- **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



# Conference plan

## Monday

Keynote Speech, Dr. Jeannette Wing

GENI Use Case

Invited Talks

Lunch\* (12:45 – 2 PM)

Working Group Meetings

Reception (6 PM, Westin)

## Tuesday

Working Group Meetings

Lunch (12 – 1:30 PM)

Invited Talks

GSC & GPO Updates

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



# Housekeeping

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- **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

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- **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 Wroclawski
- **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

