

# Identity and Attributes in GENI Engineering Meeting

**Leads: Ken Klingenstein, Tom Mitchell**  
**March 15, 2011**  
**[www.geni.net](http://www.geni.net)**



# Identity and Attributes in GENI: Introduction

Tom Mitchell – [tmitchel@bbn.com](mailto:tmitchel@bbn.com)  
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- Introduction - Tom Mitchell (5 mins)
- IdM Principles and key issues - Ken Klingenstein (20 mins)
- Proposed implementation - Tom Mitchell (15 mins)
- Invited discussion - Rob Ricci (10 mins)
- Invited discussion - Jeff Chase (10 mins)
- Open Discussion - All (20 mins)
- Summary and Wrap Up - Tom Mitchell (10 mins)

- GEC 10 format reoriented to focus on three tracks:
  - **software**
  - experimenter
  - operations
- Software track has 4 engineering meetings:
  - **identity and attributes;**
  - authorization;
  - resource specification;
  - stitching

- Prior to GEC 10:
  - A few key stakeholders discussed the topic
  - The group generated a consensus proposal
- Today:
  - Ken & Tom will present the proposal
  - Stakeholders will provide various viewpoints
  - Open floor for community discussion
  - Come to agreement on the proposal
  - Decide on next steps

- Who collaborated on this work?
  - Shibboleth
    - Ken Klingenstein – Internet2
    - Steven Carmody – Brown University
    - Heather Flanagan – Internet2
    - Jim Basney – NCSA
  - GENI Control Frameworks
    - Rob Ricci – ProtoGENI
    - Jeff Chase – Orca
  - GPO
    - Aaron Helsinger – BBN/GPO
    - Tom Mitchell – BBN/GPO

# Why Add Identity Providers?

- The GENI build out is beginning
  - GENI racks coming
  - Available at 100 – 200 campuses in a few years
- Many campuses use IdP infrastructure
  - Used for services within and across institutions
  - Researchers already have identity accounts
- Bring the two together
  - It's a natural fit
  - Use what's already there

## What are the benefits?

- Let identity providers do what they do best
  - Account and password management
  - Authoritative source of attributes, such as affiliation
  - Account and attribute maintenance
- Easy to bridge to existing and future authorization
  - Integrates with current authorization architecture
  - Forward compatible with future GENI authorization
- Pave the way towards more sources of identity



- Add external identity providers to GENI
  - Existing control framework accounts do not change
  - Control frameworks do not need to add support
- GPO should build an InCommon compatible GENI portal/slice authority
  - InCommon is the starting point
  - Other sources of identity can be considered in the future
- Agree on an initial set of required identity attributes
  - Name, institutional affiliation, contact information

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