

Experimenter Tools and Services WG

Meeting Chair: Ted Faber

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www.geni.net

- **Theme: Experiences with Experimentation on GENI**
- **Experimenters**
 - Yoshi Nozaki, RIT**
 - Neils Kasch, University of Maryland BC**
 - Pradeep Padala, DoCoMo USA Labs**
 - Jeff Rowe, UC Davis**
 - Steve Templeton, UC Davis**
- **Most experiments were ProtoGENI only**
 - **GENI-Violin experiment used ProtoGENI, PlanetLab and OpenFlow resources**

- **GENI is an attractive platform for experimentation**
 - Numbers of resources, wide area deployment, deep programmability, non-IP networking
- **Good help**
 - Good introductory tutorials
 - From testbed operations mailing lists

Crucial for a system under development
- **GENI community starting to form**

- **Better tools**
 - Esp. Higher level tools that hide details of APIs and Rspecs
- **Node configuration**
 - Need tools
- **Experimenter services**
 - Network stitching
 - Experiment monitoring
 - Time synchronization

- **Lifecycle tools**
 - Design, execution and evaluation
 - Starting point for follow-on research
- **GENI tools can learn from ns-3 workflow**