

## GENI: Global Environment for Network Innovations

## AIMS 2014 Session: Available Mobile and Wireless Testbed Research Infrastructure

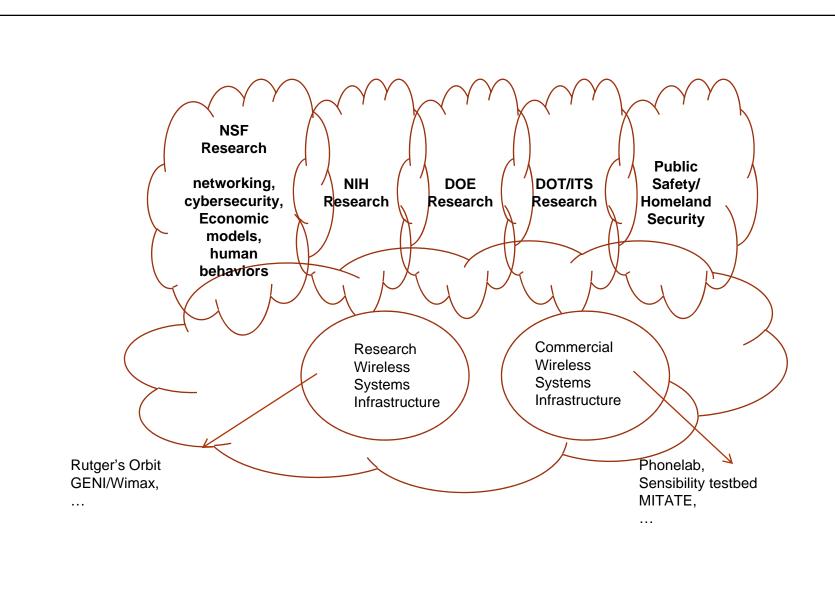
Jim Martin
Associate Professor
School of Computing
Clemson University
jim.martin@cs.clemson.edu

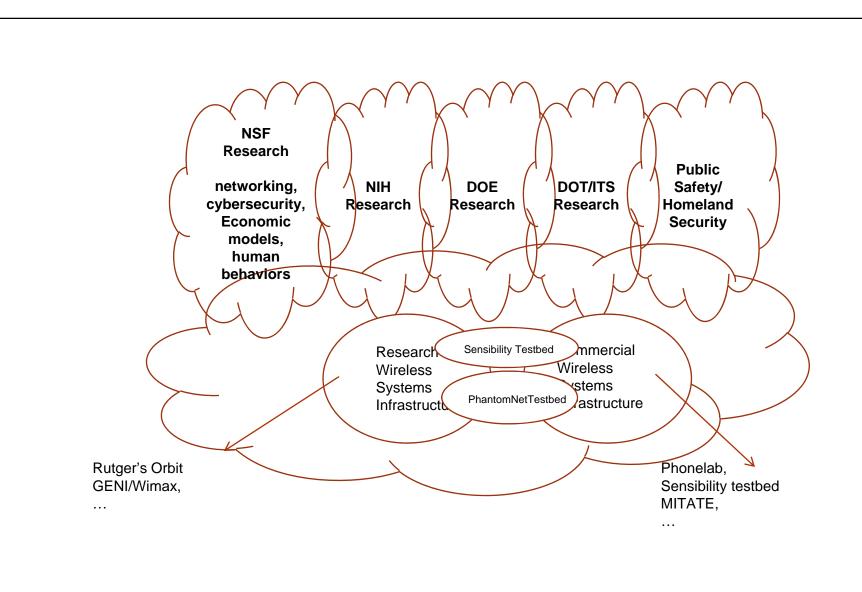
http://sciwinet.org

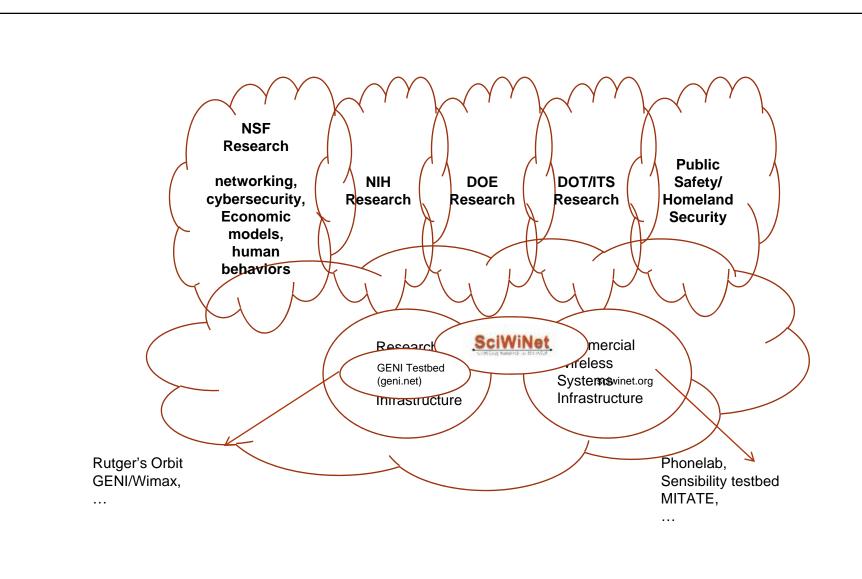
http://geni.net

## AIMS 2014 Session: Available Mobile and Wireless Testbed Research Infrastructures

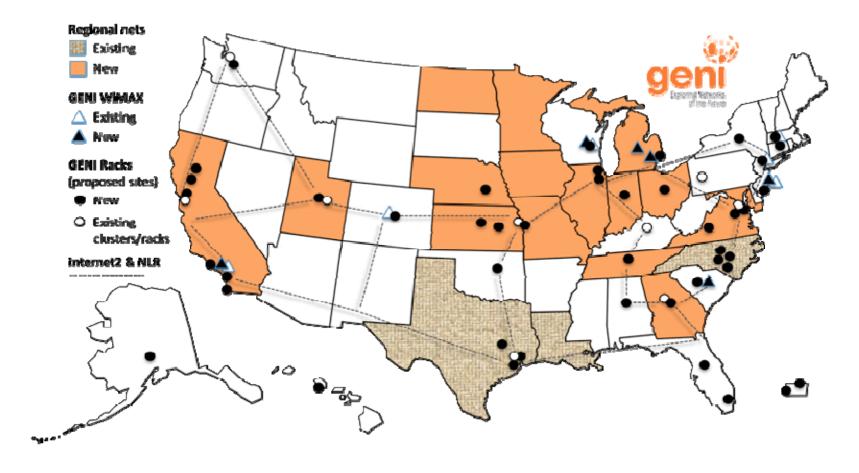
- Session : Available Mobile and Wireless Testbed Research Infrastructures
- Discussion points:
  - Multidisciplinary economic/policy challenges of measurement platforms
  - Inventory.....what exists?
  - Purpose ..... What are the requirements ?
    - Support research!!
    - Support measurement !!
  - Conclusions ?
    - Lots of efforts....need coordination for the community ??





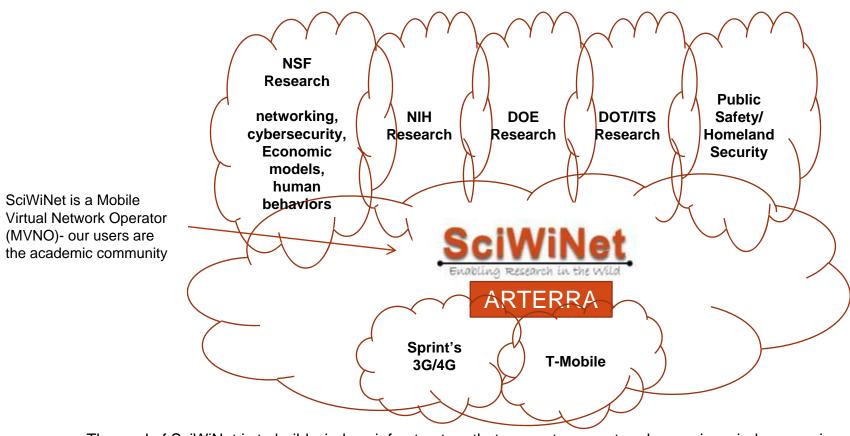


## **GENI** Overview



Geni Wireless directions are under discussion ....

- NSF has recommended the community conduct a Workshop
- Please see: http://groups.geni.net/geni/wiki/GEC19Agenda/GENIWirelessFuture



- The goal of SciWiNet is to build wireless infrastructure that supports current and emerging wireless requirements of the academic research community.
- Through benefits of scale, SciWiNet will enhance the ability of the research community to integrate 3G/4G wireless
  in their respective research. The project is described as follows:
  - SciWiNet resells cellular data services from Sprint. More precisely, we have partnered with Arterra who brokers Mobile Virtual Network Operator (MVNO) arrangements with operators. Our current operator is Sprint, we expect to also operate with T-Mobile in 3Q 2014.
  - SciWiNet is an NSF funded project (an EAGER grant) awarded to Clemson University and Rutgers University.
  - SciWiNet represents a community of users that collectively provides a support system for academics whose research involves or requires cellular data services.