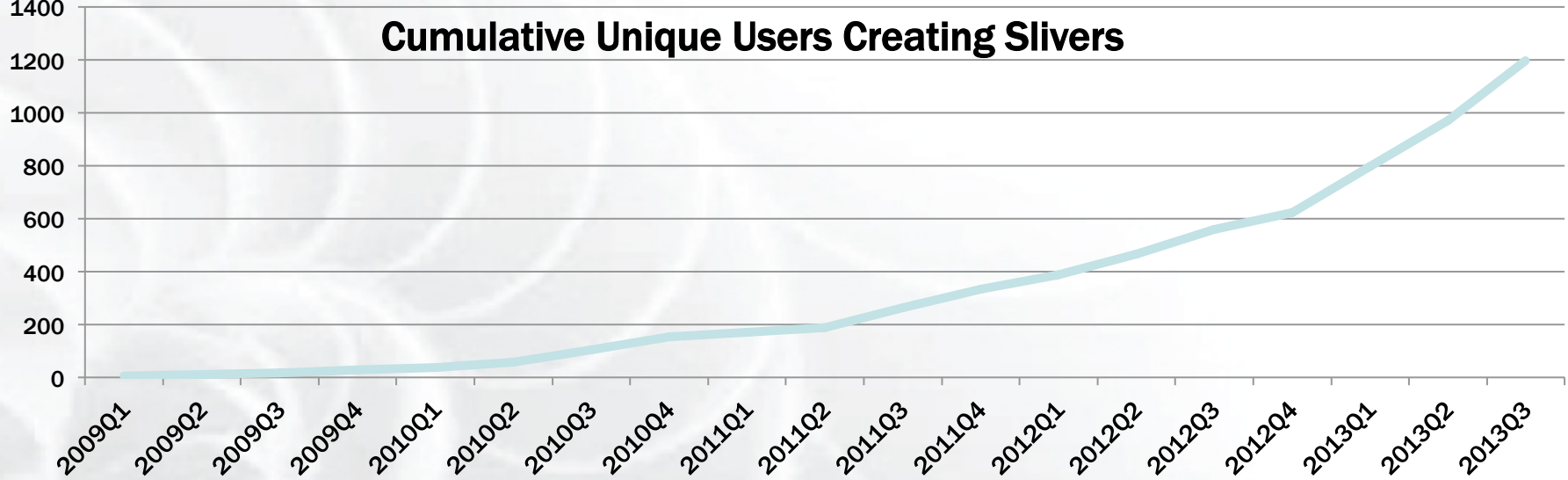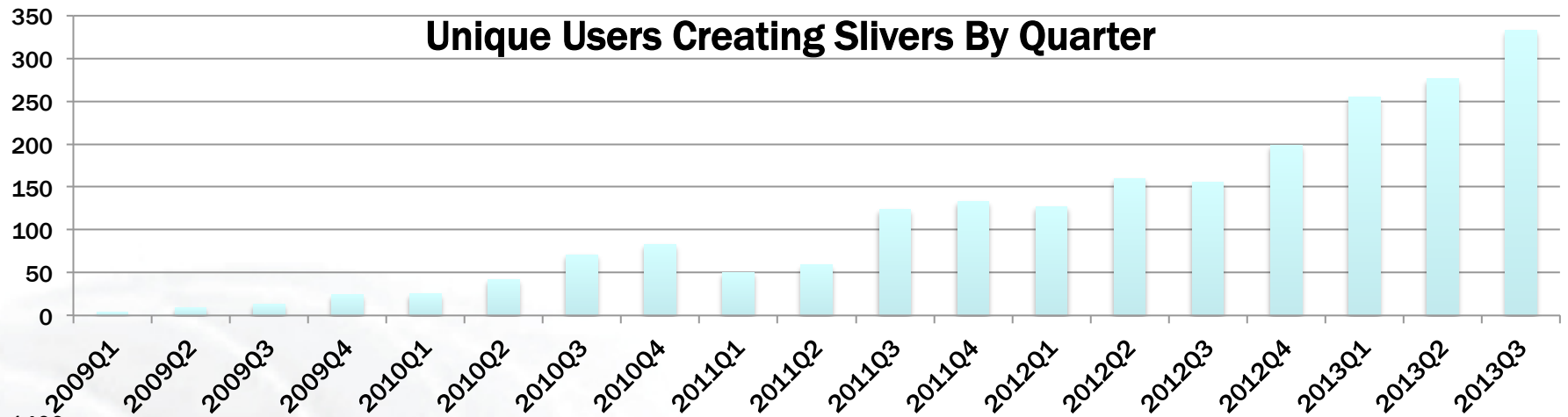# GENI Experimenter Support
An Update

GENI Engineering Conference 18

Vicraj Thomas
28 October 2013
GENI Project Office

Unique Users Creating Slivers By Quarter

Cumulative Unique Users Creating Slivers

Over 1200 unique users and rapid classroom uptake!
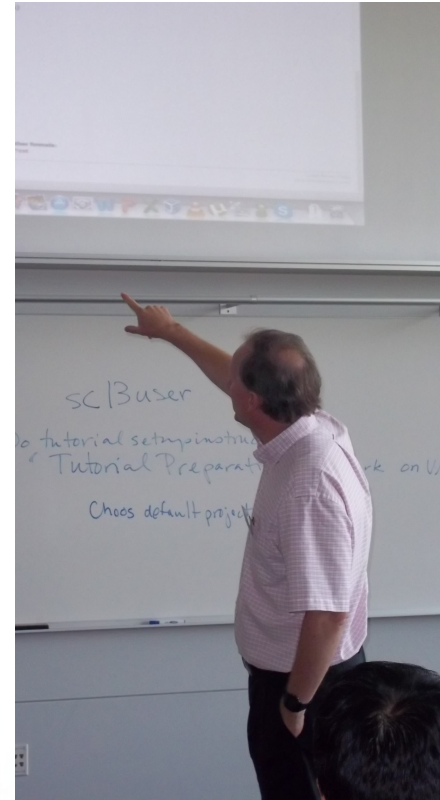
New Shakedown Experiments

Stress multiple aspects of GENI

- Non-IP
- Large-scale
- High-throughput
- Long-lived experiments and services
- Opt-in users
- Tools for scientists from other domains
  - Computational genomics, materials chemistry, advanced manufacturing

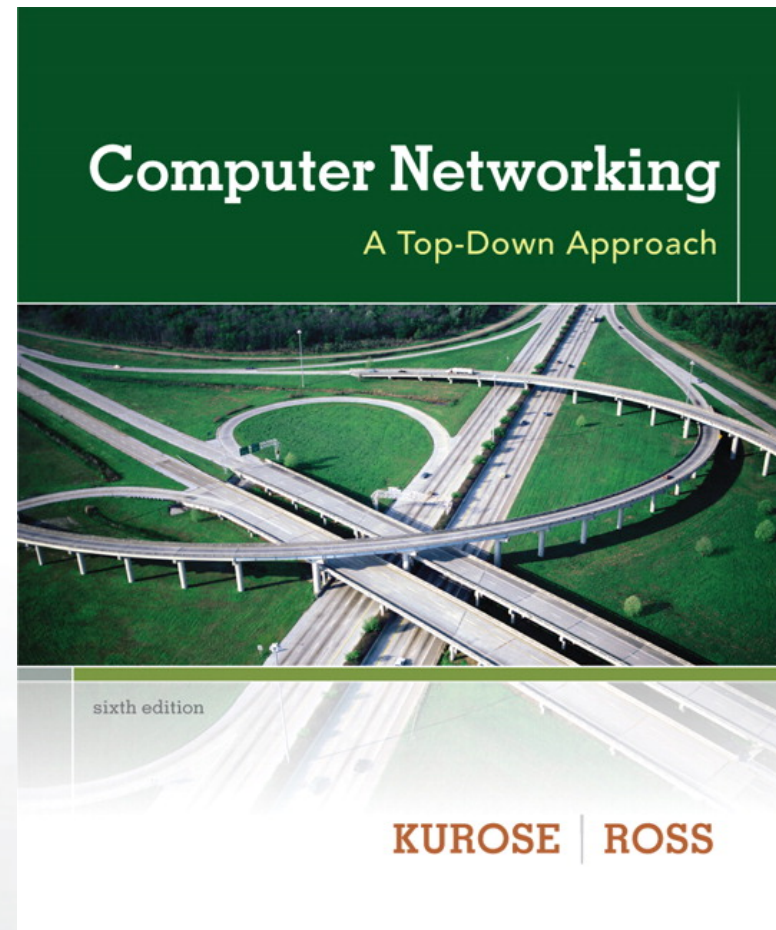More at the New Shakedown Experiments session
Tuesday at 8.30am

Classes using GENI in Fall 2013

- Prasad Calyam (U. of Missouri)
- Zongming Fei (U. of Kentucky)
- John Geske (Kettering U. – 2 classes since last GEC)
- Deniz Gurkan (U. of Houston)
- Christos Papadopoulos (Colorado State)
- Violet Syrotiuk (Arizona State U.)
- Zhi-Li Zhang (U. of Minnesota)
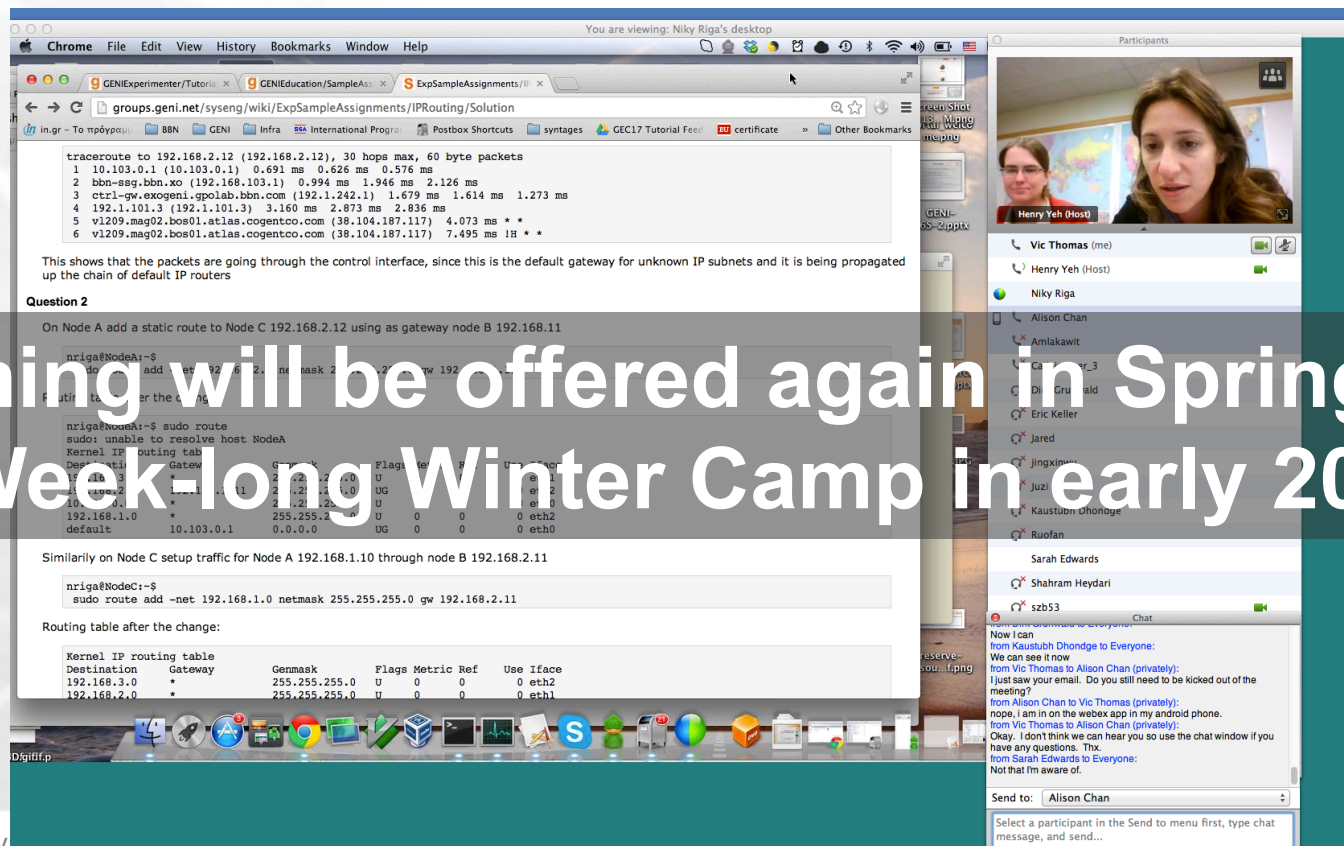- Thanasis Korakis (NYU Poly)

Let us know if have taught or are planning using GENI in your class.

New GENI-Based Coursework

- **Modules for instructors to demonstrate concepts**
- **Assignments with student handouts, instructor guides and videos**
- **Based on widely used networking textbooks**
- **Coursework in MOOC format**

Computer Networking
A Top-Down Approach

sixth edition

KUROSE | ROSS

Tremendous response to the "Train the TA" Tutorials
- Offered twice – each over two Friday afternoons over WebEx
- 31 TAs and instructors trained
- Feedback (22 respondents)
  - 17 - Little to no prior experience w/ GENI
  - 20 – Comfortable leading or assisting with a GENI-based lab after tutorial

Training will be offered again in Spring 2014
Week-long Winter Camp in early 2014

SIGCSE
ATLANTA
2014

IC2E 2014: IEEE International Conference on Cloud Engineering

Boston, Massachusetts, USA

March 11-14, 2014

NSF Workshop on GENI in Education

Jeannie Albrecht, Jay Aikat, Kevin Jeffay

(Thanks to Vic Thomas, Sarah Edwards, Niky Riga)

Goals and Agenda for this Workshop

- Encourage use of GENI in undergraduate and graduate classes

- 30 participants – small and large schools

- Keynote by Jim Kurose

- Intro and Practical Advice on using GENI in the classroom

- Current uses of GENI in the classroom, and SOL4 projects

28 October 2013

Outcome of the Workshop

- Excellent discussions on the pros and cons of hands-on labs in classes

- Clear guidelines for GENI in classroom

- Spontaneous collaboration among interested educators and projects providing content and tools for using GENI in the classroom

- Feedback was excellent; will do follow-up in GEC 19