

# Caleb Linduff

## Education:

- Undergraduate Degree
- Clemson University
- 2011 – 2016
  
- Graduate Program
- Clemson University
- 2016 –

# Classes

- ▶ Performance Analysis of Local Computer Networks
  - ECE 4400/6400
  - Spring 2016
  - Dr. KC Wang
  - Exploring the different types of local networks and the statistics behind them
  
- ▶ Computer Communications
  - ECE 4380/6380
  - Spring 2017
  - Dr. Harlan Russell
  - Analyzing the methods for design and implementation of computer networks

# ECE 4400/6400 Final Project

- ▶ Provide the user with multiple paths and metrics to traverse a network
- ▶ Yen's Algorithm
- ▶ `getRoutes(src, dst, num_paths)`



f2:81:89:39:bc:4b

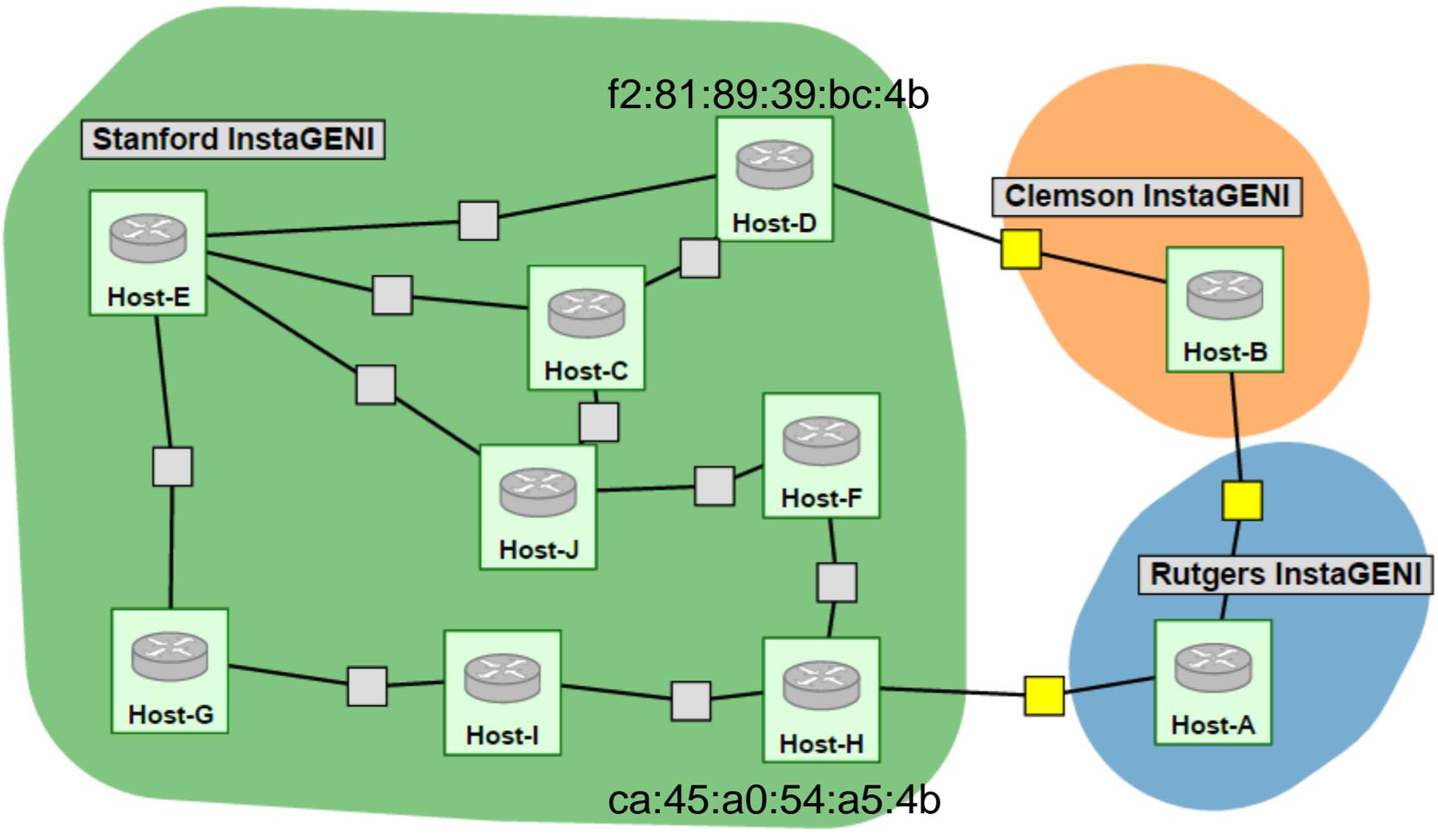
**Stanford InstaGENI**

**Clemson InstaGENI**

**Rutgers InstaGENI**

ca:45:a0:54:a5:4b

# GENI Topology



# Likes and Dislikes of GENI

## ▶ Likes

- Easy to use topology UI (Jacks)
- Complex networks can be set up over multiple sites
- Helpful guides where needed (ssh key setup)

## ▶ Dislikes

- Learning curve
- Topology cannot be modified once created
- There is no way to schedule resource provisioning

# Suggestions for developers/instructors

- ▶ Easier to find usage statistics
- ▶ Ordering sites by usage vs alphabetical
- ▶ Structure tutorials with easily digestible sections
  
- ▶ Choosing appropriate sites
- ▶ Focus on networking experience as opposed to building topology in GENI

**THANK YOU.....**

**DO YOU HAVE ANY QUESTIONS ?**

