geni
The laboratory for large-scale networking experiments
GENI Regional Workshop
November 3-4, 2017
Hosted by University of Oregon

Welcome!

NSF

Introductions

- Violet Syrotiuk
- Abraham Matta
- Vic Thomas
- Our local host, Jun Li

If you have questions we are here to help!

Today's Agenda
http://geni.uoregon.edu/agenda.html

- 08:15-08:30 Welcome

Welcome to the GRW

Violet Syrotiuk, Arizona State University

Welcome to the University of Oregon

Joe Sventek (Head of Dept. of Computer and Information Science) and

Jun Li (Director of Center for Cyber Security and Privacy)

The Morning Agenda
http://geni.uoregon.edu/agenda.html

- 08:30-09:15, Invited Presentation

  GENI and Beyond

  Chip Elliot (Raytheon BBN)

- 09:15-10:00, Keynote I

  Building a Better Network Through Disaggregation

  Eric Keller (University of Colorado, Boulder)

- 10:00-10:30, Coffee Break

The Morning Agenda
http://geni.uoregon.edu/agenda.html

- 10:30-11:15, Research at UO

  Leveraging SDN for DDoS Defense

  Jun Li

  Understanding the Evolving Internet

  Ramakrishnan Durairajan

The Morning Agenda
http://geni.uoregon.edu/agenda.html

- 11:15-noon, Keynote II

  Edge Computing: New Paradigm Challenges and Emerging Solutions

  Prasad Calyam (University of Missouri)

- Noon-1:00pm, Lunch

Afternoon
http://geni.uoregon.edu/agenda.html

- 13:00-15:00, Parallel Hands on Tutorials

  A First GENI Experiment

  Violet Syrotiuk, Arizona State University

  Man-in-the-Middle Attack on a Wi-Fi Hotspot

  Fraida Fund, NYU Tandon

- 15:00-15:30, Coffee Break

Afternoon
http://geni.uoregon.edu/agenda.html

- 15:30-17:30, Parallel Hands on Tutorials

  Introduction to SDN

  Vic Thomas, Raytheon BBN

  Denial of Service (DoS) Correlation and Mitigation using SDN

  Xenia Mountrouidou, College of Charleston

- 17:30, Dinner on your Own

Saturday, November 4th
http://geni.uoregon.edu/agenda.html

- 08:00-10:00, Hands on Tutorials

  Managing a Virtual Network Function using SDN and Control Theory

  Nabeel Akhtar, Boston University

- 10:00-10:30, Coffee Break

Saturday, November 4th
http://geni.uoregon.edu/agenda.html

- 10:30-12:30, Parallel Hands on Tutorials

  Covert Storage Channel Traffic Generation and Detection

  Nabeel Akhtar, Boston University

  Experimenting with Deep Reconfigurability and Networking on Chameleon

  Joon Yee Chuah, Texas Advanced Computing Center

Upcoming Events

GENI EXPERIMENTER CONTEST 2018

(Big) Cash prizes!

Demo at CNERT at INFOCOM 2018 in Hawaii

Upcoming Events

CNERT Workshop at INFOCOM 2018 in Hawaii

Computer and Networking Experimental Research using Testbeds

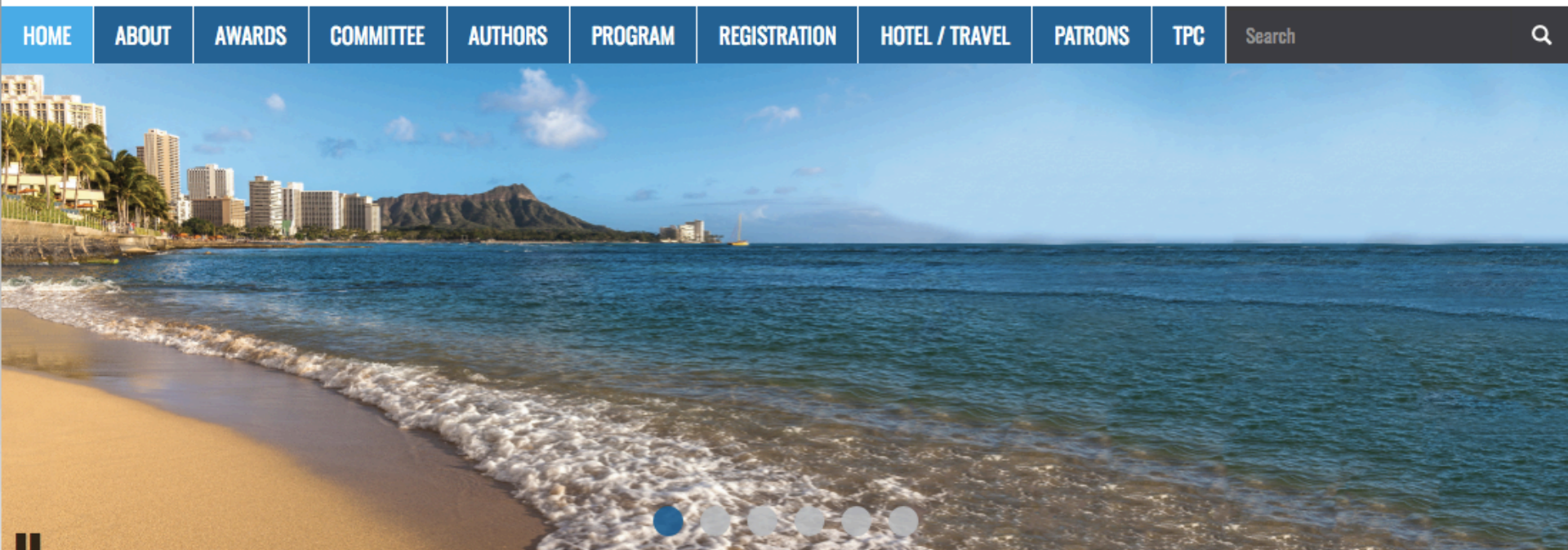
Submission details coming soon

IEEE INFOCOM

IEEE International Conference on Computer Communications
15-19 April 2018 // Honolulu, HI // USA

IEEE ComSoc IEEE Communications Society

IEEE



In Conclusion

- Our sincere thanks to

  Jun Li

  Lumin Shi (web master)

  for their help with logistics and local arrangements! It is much appreciated.

- We look forward to your participation!

  ENJOY!