

The First GENI Research and Educational Experiment Summer Camp (GREE-SC 2012)

Kaiqi Xiong

On Behalf of the Organizing Committee

Mark Berman, BBN-GPO

Yong Guan, Iowa State

Yin Pan, RIT

Niky Riga, BBN-GPO

Bing Wang, Uconn

Kaiqi Xiong, RIT

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Welcome

- **Rochester Institute of Technology**
 - **Private** school
- **B. Thomas Golisano College of Computing and Information Sciences (GCCIS)**
 - **Six** departments
 - **CS, Software Engineering, Security Sciences, IT, Gaming, Ph.D. Unit**
 - **Over 100** faculty and over **3500** students

Great support from the college

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Welcome by Dean

- **Andrew Sears**
 - **Dean of GCCIS**
 - **Editor-in-Chief** of the ACM Transactions on Access Computing

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Sponsors

- The project has been funded by **BBN/National Science Foundation (NSF)**
- Project team consists of
 - ✓ Kaiqi Xiong, RIT (PI)
 - ✓ Yin Pan, RIT
 - ✓ Yong Guan, Iowa State
 - ✓ Bing Wang, UConn

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Acknowledgement

- We are deeply grateful to the **BBN/GPO team** for **a constant source and support**, in particular, Mark Berman, Niky Riga, and Henry Yeh (in alphabetical order)
- Our special thanks go to **GPO staff**: Mark Berman and Niky Riga, **instructors and assistants**: Zongming Fei, Hussamudin Nasir, Kuang-Ching Wang, Reece Johnson, Jeannie Albrecht, Jason Liu and Miguel Erazo for tutorial, **RIT faculty and staff**: Megan Fritts, David Harrison, Tracy Miller, Yin Pan, Gurcharan Khanna, Ann Warren, and Adriana Delibert for hospitality, logistics, and lab support, and **our students** including Anand Allkia, Praveen Iyengar, Binh-Yen Nguyen, and Jiten Patel
- We thank the support from **IEEE Communications Society**, the **GENI development teams**, and **Rochester Institute of Technology**

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Program

Block I	Welcome and expectations, pre-evaluation, etc. Intro to GENI (Andrew Sears & Mark Berman; 0.5 hr)	Omni and OpenFlow Tutorial (KC Wang & Reece Johnson)	PrimoGENI tutorial (Jason Liu & Miguel Erazo)	Continue the team project	Continue the project presentation preparation
Block II	FLACK and INSTOOLS (Zongming Fei and Hussamudin Nasir 2.5 hrs)	Team labs/project using Omni and OpenFlow (KC Wang & Reece Johnson)	Team labs/projects using PrimoGENI (Jason Liu & Miguel Erazo)	Continue the team project	Team project presentations, and post-evaluation
		Lunch			
Block III	Intro to GENI Technologies (Mark Berman & Niky Riga; 1.5 hrs) Omni tutorial Tutorial (KC Wang & Reece Johnson; 1 hr)	Gush Tutorial (Jeannie Albrecht; 2.5 hrs)	Tour to RIT computing facility ("Tell and Show," 1 hr)	One-on-one meeting with GPO and Continue the team project	
Project	Introduction to team projects and team formation (1 hr)	Project brainstorming and practice (1 hrs)	Tour Dinner starts at 6:30-6:45pm	Project presentation preparation	

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Announcement

- **Wireless** network access
 - Send your mac address to Megan Fritts at Mcfics@rit.edu
- **Funded** campers/instructors/assistants/GPO staff
 - Breakfast at 8am / lunch at 12pm: Building 70 Room 2500
- **Unfunded** attendees: Only lunch at Crossroad led RIT students
- A **informal** tour on May 31 at 3-6pm
 - If interested, please provide your name and phone number in the sign-up sheet
- A group **dinner** sponsored by Dean will be held at Shanghai Chinese restaurant on May 31 starting at 6:30-6:45pm
 - Address: 2920 West Henrietta Road Rochester, NY 14623;
Phone: (585)424-4000

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Pre-evaluation Survey / VM Image

- Please take the pre-evaluation **survey** ASAP
 - <http://www.sogosurvey.com/static/surveykey.aspx>
 - Key: SsQPYSsRsPsPsP
- **VM Image**
 - www.ist.rit.edu/~yxp/GENI_VM_SC.ova
- After you download the VM, please make sure that you follow these instructions at the link:
 - <http://groups.geni.net/geni/wiki/GENIExperimenter/GENISummerCamp#GettheGENIVM>

APRA-GENI

Thank you

Questions, Suggestions, and Comments?

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Introduction to GENI

- Mark Berman, Experimentation Director, BBN/GPO