

# GREE 2014 Program

March 19-20, 2014

March 19, 2014, Wednesday		
Registration and Check-in (12:45-1:15pm)		
Opening Remarks (1:20-1:30pm): <b>Chip Elliott</b> (BBN), <b>Mark Berman</b> (BBN), and <b>Yong Guan</b> (Iowa State University)		
<b>Keynote Talk</b> (1:30-2:30): <b>Dr. Ada Gavrilovska</b> , Center for Experimental Research in Computer Systems (CERCS) at Georgia Tech <p style="text-align: center;">Title: The Role of Open Testbeds for Cloud Computing Innovation</p>		
Afternoon Break (2:30-2:45pm)		
<b>Session 1</b> (2:45-4:25pm): <b>Software Defined Networks and Cloud Computing</b>		
1	Next Generation Emergency Communication Systems via Software Defined Networks	Milos Manic, <b>Dumidu Wijayasekara</b> and Kasun Amarasinghe
2	GENI with a Network Processing Unit: Enriching SDN Application Experiments	<b>Levent Dane</b> and Deniz Gurkan
3s	VIRO-GENI: SDN-based Approach for a Non-IP Protocol in GENI	<b>Hesham Mekky</b> , Cheng Jin and Zhi-Li Zhang
4	GENI Laboratory Exercises Development for a Cloud Computing course	<b>Prasad Calyam</b> , Sripriya Seetharam and Ronny Bazan Antequera
5s	Network Aware VM Migration in Cloud Data Centers	<b>Hellen Maziku</b> and Sachin Shetty
6s	Toward PrimoGENI Constellation for Distributed At-Scale Hybrid Network Test	<b>Jason Liu</b> , Mohammad Obaida and Fernando Dos Santos
<b>Short Break (4:25-4:30pm)</b>		
<b>Panel (4:30-5:30pm): Software Defined Networks (SDN) and Experiment-based Research</b>		
Panel Coordinator: Rick McGeer (SAP and US IGNITE, USA) Panelists: Zongming Fei (University of Kentucky), Deniz Gurkan (University of Houston), Joseph B. Lyles (NSF), and Niky Riga (BBN)		
End of the 1 <sup>st</sup> Day Meeting		

March 20, 2014, Thursday

Check-in and Breakfast (7:30-8:25am)

**Session 2 (8:30-10:00am): Experimental Research with GENI**

1	Experimental Evaluation of a Scalable WiFi Multicast Scheme in the ORBIT Testbed	Yigal Bejerano , Jaime Ferragutz, Katherine Guo, <b>Varun Gupta</b> , Craig Guttermany, Thyaga Nandagopal, Gil Zussman
2	Fault-Tolerant OpenFlow-based Software Switch Architecture with LINC Switches for a Reliable Network Data Exchange	Gandhimathi Velusamy, <b>Deniz Gurkan</b> , Sandhya Narayan and Stuart Bailey
3s	Delegation of Computation with Verification Outsourcing using GENI Infrastructure	<b>Gang Xu</b> , George Amariuca and Yong Guan
4s	Characterizing the GENI Networks	Ping Yi and <b>Zongming Fei</b>
5s	Leveraging and Adapting ExoGENI Infrastructure for Data-driven Domain Science Workflows	<b>Anirban Mandal</b> , Paul Ruth, Ilya Baldin, Yufeng Xin, Claris Castillo, Mats Rynge and Ewa Deelman
6s	Experimenting with Routing Policies Using ProtoRINA over GENI	<b>Yuefeng Wang</b> , Ibrahim Matta and Nabeel Akhtar
7s	A GENI Meso-Scale Experiment of a Verification Service	<b>Ahmet Can Babaoglu</b> and Rudra Dutta

**Morning Break (10:00-10:15am)**

**Session 3 (10:15-10:45am): Work-in-Progress (5 minutes Talk)**

1	Embedding Switch Number, Port Number, and MAC Address (ESPM) within the IPv6 Address	Bahaa Araji and <b>Deniz Gurkan</b>
2	A Framework for Integration of Rule-oriented Data Management Policies with Network Policies	Shu Huang, Hao Xu and <b>Yufeng Xin</b>
3	OpenFlow-based Network Management with Visualization of Managed Elements	<b>Anatoliy Malishevskiy</b> , Deniz Gurkan, Levent Dane, Rajarevanth Narisetty, Sandhya Narayan and Stuart Bailey
4	Load Balancing in a Campus Network using Software Defined Networking	<b>Ashkan Ghaffarinejad</b> and Violet Syrotiuk
5	Evaluating Interest Broadcast in Vehicular Named Data Networking	<b>Meng Kuai</b> , Xiaoyan Hong and Roberto Raguze Flores

**Tutorial (10:50-12:20): OpenFlow Tutorial and Demo**, Ryan Izard and Kuangching Wang (University of Clemson)

**Closing Remarks (12:20-12:30): Kaiqi Xiong (RIT) and Vic Thomas (BBN)**