The 16th IEEE International Global Internet Symposium (GI 2013)

Technical Program
Friday, April 19

9:00-10:30

Session I "Global Datasets"

*Modeling and Characterization of Vehicular Density at Scale*

Gautam Thakur (University of Florida, USA); Pan Hui (Deutsche Telekom Laboratories & University of Cambridge, Germany); Ahmed Helmy (University of Florida, USA)

*On the Usage Patterns of Multimodal Communication: Countries and Evolution*
Yi Wang (University of California, Riverside & Sprint Lab, USA); Michalis Faloutsos (University of California, Riverside, USA); Hui Zang (Sprint, USA)

*DHT-based Traffic Localization in the Wild*

Matteo Varvello (Bell Labs, Alcatel-Lucent, USA); Moritz Steiner (Bell Labs / Alcatel-Lucent, USA)

10:30-11:00 Coffee break

11:00-12:30

Session II "Inferring the Shape of the Internet"
**DRAGO: Detecting, Quantifying and Locating Hidden Routers in Traceroute IP Paths**

Pietro Marchetta (University of Napoli, Italy); Antonio Pescapé (University of Napoli Federico II, Italy)

---

**The BGP Visibility Scanner**

Andra Lutu (Institute IMDEA Networks & University Carlos III of Madrid, Spain); Marcelo Bagnulo (University Carlos III of Madrid, Spain); Olaf M Maennel (Loughborough University, United Kingdom)

---

**Improving the Discovery of IXP Peering Links through Passive BGP Measurements**
Vasileios Giotsas (University College London, United Kingdom); Shi Zhou (University College London, United Kingdom)

12:30-14:00 Lunch break

14:00-15:30

Session III "New Mechanisms"

AliasCluster: A Lightweight Approach to Interface Disambiguation

Larissa Spinelli (Boston University, USA); Mark Crovella (Boston University, USA); Brian Eriksson (Technicolor, USA)
Applying Software-Defined Networking to the Telecom Domain

Georg Hampel (Bell Labs, Alcatel-Lucent, USA); Tian Bu (Bell Labs, USA); Moritz Steiner (Bell Labs / Alcatel-Lucent, USA)

Into the Moana — Hypergraph-based Network Layer Indirection

Yan Shvartzshnaider (The University of Sydney & NICTA, Australia); Max Ott (NICTA, Australia); Olivier Mehani (NICTA, Australia); Guillaume Jourjon (NICTA, Australia); Thierry Rakotoarivelo (NICTA-Sydney, Australia); David Levy (University of Sydney, Australia)

COBRA: A Framework for the Analysis of Realistic Mobility Models
15:30-16:00 Coffee break

16:00-17:30

Session IV "New Tools"

*Network Emulation Testbed for DTN Applications and Protocols*

Razvan Beuran (National Institute of Information and Communications Technology, Japan); Shinsuke Miwa (National Institute of Information and Communications Technology, Japan); Yoichi Shinoda (Japan Advanced Institute of Science and Technology, Japan)
Trade-off Analysis of Multi Topology Routing Based IP Fast Reroute Mechanisms

Selcuk Cevher (Karadeniz Technical University, Turkey); Mustafa Ulutas (Karadeniz Technical University, Turkey); Ibrahim Hokelek (TUBITAK BILGEM, Turkey)

Detecting Encrypted Botnet Traffic

Han Zhang (Colorado State University, USA); Christos Papadopoulos (Colorado State University, USA); Daniel Massey (Colorado State University, USA)

Registration