

INTERNET²
2017 **g**lobal
SUMMIT

CINC UP: NSF BIG DATA INNOVATION HUBS

April 26, 2017



CINC UP: NSF BIG DATA INNOVATION HUBS

AGENDA

- Welcome, Florence Hudson, Internet2
- Big Data Regional Innovation Hubs & Spokes, Fen Zhao, NSF
- Northeast Regional Big Data Innovation Hubs & Spokes, René Bastón, Northeast Big Data Hub

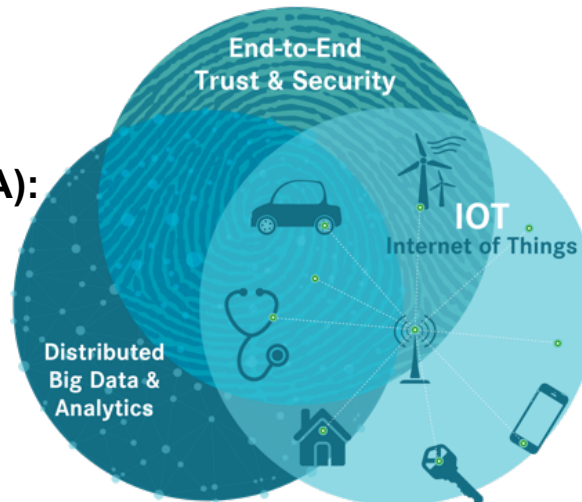
Internet2 Collaborative Innovation Community focus areas align with the NSF BD Hubs.

E2E Trust & Security (E2ET&S):

- TIPSS for IoT – Trust, Identity, Privacy, Protection, Safety, Security
- NSF EAGER Cybersecurity Transition to Practice (TTP) Acceleration
- SDP (Software Defined Perimeter), Network Segmentation for IoT

Distributed Big Data & Analytics (DBDA):

- Health & Life Sciences / Genomics
- Smart Campuses & Cities
- NSF Big Data Hub Collaboration



Internet of Things (IoT):

- IoT Sandbox
- Smart Campuses & Cities
- Smart Grid Testbed

NSF BIG DATA HUBS OVERVIEW

FEN ZHAO

National Science Foundation

SPOKE AWARDS

RENÉ BASTÓN

Northeast Big Data Hub

Internet2 Engaging with the Big Data Innovation Hubs

- Help with coordinating use of current infrastructure, for current and future needs
 - As a national service provider, we can help coordinate with state/regional networks, international partners
 - Participating in “A Licensing Model and Ecosystem for Data Sharing” Spoke in NE BDHub.
 - September 2016 workshop report: <http://cci.drexel.edu/mrc/news/2016-11-bigdatahubworkshop/>
 - Engaging in Midwest BDHub to support genomics big data transfer
 - Engaging South BDHub “Smart Grids Big Data” spoke, attending TAMU workshop April 18
- Incorporating BDHubs needs in future infrastructure
 - Giving a voice to the BDHubs community for future needs

CINO Sponsored Schedule of Events at GS17

- **Sunday, April 23, 4:15-5:30pm: CINC UP: CINO Program Advisory Group Meeting (Open), Meeting Room 15**
- **Tuesday, April 25, 8-10am: CINC UP: Collaborative Innovation Community Meeting: IoT, E2ET&S, Smart Campus, Renaissance Ballroom West B**
 - Collaborative Innovation Community & Innovation Working Groups Update: IoT, E2ET&S, DBDA
 - Smart Campus Initiatives Update and invitation to participate
 - Smart Campus: IoT Systems Risk Management Task Force Update. Shodan & Censys.io demonstrations 4/24 & 4/25
 - TIPSS for IoT: ITANA Collaboration and White Paper
 - Smart Campus-themed Cybersecurity Transition to Practice Researcher Presentations
 - IoT Pedagogy
- **Wednesday, April 26, 7:30-8:30am: CINC UP: NSF Big Data Innovation Hubs, Meeting Room 10/11**
 - NSF Big Data Hubs and Spokes Overview by Fen Zhao, NSF, and René Bastón Northeast Big Data Innovation Hub ED
 - How to get involved, connections for researchers, regional networks, and IT
- **Wednesday, April 26, 12:30-5:30pm: CINC UP: Cybersecurity Research Acceleration Transition To Practice (TTP) Workshop and Showcase (NSF #1650445), Meeting Room 8/9**
 - Join us for an interactive discussion to determine how – working together – we can accelerate Transition To Practice (TTP) of cybersecurity research into operational environments. Regional networks, IT, industry, labs, students: everyone is invited.
 - University CIO Perspective on Leveraging Cybersecurity Research
 - 12 Researcher Presentations on Identity & Access Management, Network Security, Smart Grid, Cloud Security & Storage, Data Analytics & Security, and IoT
 - Discussion, Pilot Opportunities, and Feedback, tell us what cybersecurity assets you need
 - Poster Session & Networking at breaks. Additional poster sessions on Monday and Tuesday: breakfast, lunch, breaks.

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