



**PennState**

Institute for Network and  
Security Research

# Welcome: 2017 Secure and Trustworthy Cyberspace Principal Investigators' Meeting (SaTC PI Meeting '17)

Arlington, VA – January 9-11, 2017

Patrick McDaniel, Manos Antonakakis, Michael Bailey

# Welcome to the NSF SaTC PI Meeting!



- On behalf of the event organizers and our colleagues at the National Science Foundation, we would like to welcome you to this year's Secure and Trustworthy Cyberspace (SaTC) 2017 Principal Investigators' (PI) meeting.



# Speaker: Jim Kurose

- **James Kurose** is the Assistant Director of the National Science Foundation (NSF) for Computer and Information Science and Engineering (CISE). Dr. Kurose is on leave from the University of Massachusetts, Amherst (UMass Amherst), where he has served as Distinguished Professor at the School of Computer Science since 2004. His research interests include network protocols and architecture, network measurement, sensor networks, multimedia communication, and modeling and performance evaluation. He is a Fellow of the Association for Computing Machinery (ACM) and the Institute of Electrical and Electronic Engineers (IEEE).



# Speaker: Deborah Lockhart

- **Deborah Lockhart** is the Deputy Assistant Director, Directorate for Mathematical and Physical Sciences (MPS), National Science Foundation. Since Dr. Lockhart's arrival at NSF in 1988, she has held numerous positions in three directorates: MPS, Computer and Information Sciences and Engineering (CISE), and Education and Human Resources (EHR). She was a Program Director in the Division of Mathematical Sciences (DMS/MPS), Deputy Division Director in DMS/MPS, and Deputy Division Director in the Division of Information and Intelligent Systems/CISE. She has also held acting Division Director appointments in EHR and CISE.



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- On behalf of the event organizers and our colleagues at the National Science Foundation, we would like to welcome you to this year's Secure and Trustworthy Cyberspace (SaTC) 2017 Principal Investigators' (PI) meeting.



- “Held every other year in Washington DC, the PI meeting offers researchers, students and the broad NSF community the opportunity to come together and share ideas, commentary, and challenges on the state of security and privacy research, education and outreach. The PI meeting is also an opportunity to explore the broad and interesting collection of SaTC-related activities being funded.”
  
- Note: this is an PI organized event ...



- Feedback from last PI meeting:
  - ▶ More vision, more diversity, more interactions
  - ▶ This should be about fostering collaboration ...
- We heard you!
  - ▶ Keynotes: Ed Felten, Farnam Jahanian, and Alessandro Acquisti
  - ▶ Panels: center projects, machine learning and security, and funding priorities
  - ▶ Breakouts: multi-track workshop format
  - ▶ Poster session (Monday and Tuesday)
  - ▶ Lunches, reception, breaks ...





- Something new ...

## un·con·fer·ence

/ˈɛnkənf(ə)rəns/

*noun*

a loosely structured conference emphasizing the informal exchange of information and ideas between participants, rather than following a conventionally structured program of events.

"at this unconference, attendees created sessions on the spot, making for an energizing and freewheeling exchange"



Translations, word origin, and more definitions



# Breakouts (Mon & Tues morning)

- Each day: 11 different technical sessions spanning topics of interest collected from the PI community itself
- Rules
  - ▶ Pick and choose what interests you ...
  - ▶ No presentations ... (workshop rules)
  - ▶ Active participation ... it is on you
  - ▶ Be constructive, listen (self promotion should be limited)
  - ▶ Come and go as you like ... try more than one if you want
  - ▶ Have fun, meet people, learn and get new ideas
- Ad hoc breakouts: you can create your own (Arlington Ballroom)



- WiFi password is **NSF2017** throughout the meeting
- You should have received updates to the information in the program booklet during registration this morning. If you did not, they are located on a table in the registration area and all content is updated on the website.
- All presenters who plan to use slides and have not uploaded them to the link provided, please provide them to **Zhiyu Wan**, one of our student volunteers.
- **Help:** If for any reason you need anything, please contact staff at the Grand Ballroom registration desk. Staff will be on hand to direct you to the meeting rooms throughout the meeting.



- **Breakouts** will be held in the Grand Ballroom Salons, D, E, F and G attached to this plenary session room; in Rosslyn I & II on the lobby level, and in Alexandria, McLean, Manassas, and Mt. Vernon on the hotel's second level. (Please ensure that you sign the attendance sheet for all breakouts)
- **Ad Hoc Breakouts** can be held at the table rounds in the Arlington Ballroom Salons I, II, and III and in the Fairfax Boardroom (second level).
- **Poster Sessions** on days one and two are in the Arlington Ballroom Salons I, II, and III. Please consult the online listing or the updated handout for location and time. Please set up your posters as soon as possible before the start of each session.
- **Plated Lunches** will be held in the Arlington Ballroom Salons IV, V, and VI.
- We invite you to **tonight's reception** that will include a cash bar and light refreshments!
- Please consult the directional signage we have placed throughout the hotel's levels as well as the map that can be found in the program for directions to meeting rooms.

# Thanks ...



- **Frankie King** of Vanderbilt University, who has worked tirelessly for many months to select the hotel and arrange the many logistics for the PI meeting
- **Emily Wehby, Amy Karns, and Katie Dey** of Vanderbilt University who assisted Frankie
- **Judy Bowes** of Penn State University, who has worked behind the scenes to help coordinate the complex technical agenda.
- Hotel staff, printers, catering and other folks ...
- Student volunteers ... we also would like to recognize and thank **Omar Alrawi** (GA Tech), **Athanasios Kountouras** (GA Tech), **Charles Lever** (GA Tech), **Nicolas Papernot** (Penn State), and **Zhiyu Wan** (Vanderbilt) who will be assisting the meeting's onsite logistics
- We also thank the SaTC Program Director team at NSF ...
- **Carl Landwehr!**

# Today's Agenda Highlights ...

Monday, January 9<sup>th</sup>, 2017

- |                 |  |
|-----------------|--|
| 9:00am-10:00am  | Keynote: Ed Felten, Office of Science and Technology Policy, The White House |
| 10:00am-10:30am | Break  |
| 10:30am-12:00pm | Breakout Session   |
| 12:00pm-1:00pm  | Lunch  |
| 1:00pm-2:30pm   | Panel: Conceiving and Running Center Scale Frontier Projects                 |
| 2:30pm-3:00pm   | Break  |
| 3:00pm-5:00pm   | Poster Session   |
| 5:00pm-7:00pm   | Reception  |



See program details for breakout sessions, event locations, and hotel map

# Keynote Speaker: Ed Felten

- **Ed Felten** is Deputy U.S. Chief Technology Officer at the White House. He is on leave from Princeton University, where he is the Robert E. Kahn Professor of Computer Science and Public Affairs, and the founding Director of Princeton's Center for Information Technology Policy. He is a member of the National Academy of Engineering and the American Academy of Arts and Sciences, and is a Fellow of the ACM. He has testified before the House and Senate committee hearings on privacy, electronic voting, and digital television. In 2004, Scientific American magazine named him to its list of fifty worldwide science and technology leaders.

