Session 5: Norms for Security, Resilience and Supply-chain Integrity in Core Telecommunications Infrastructure
(Friday, 9:00 - 10:45 AM)

Chair: John Mallery.
Panel members: Philip Hallam-Baker, Patrick Lincoln, David MacMahon, and Michael Sechrist.

This panel identifies the threats to the core infrastructure, the requirements for its trustworthiness, and the elements of a technical strategy for assuring them. It considers what division of labor among public and private sectors can implement the possible strategies at domestic and at international levels. It then recommends actions that states and private actors can undertake to secure their core telecommunications infrastructures.

Questions guiding panel prepared remarks:

1. Threat: What is the threat model (attack vectors and consequences) for core national telecommunications infrastructures?
2. Security Architecture: What are the requirements for a trustworthy national telecom core?
3. Strategy: What are the elements of a technical strategy for assuring the telecom core trustworthiness (availability, integrity and confidentiality)?
4. Implementation: What is division of labor between public and private actors to implementation these policy goals?
5. International Dimension: What aspects of international telecoms infrastructure (e.g., physical hardware or logical operations) require collective action for their protection to assure stable operations of international networks?
6. Recommendations: What actions should states and private actors undertake in order to secure their core telecommunications infrastructures?