Session 4: Securing the Internet’s Exterior Routing Infrastructure
Exterior Routing in the Internet

- **Inter-Domain Routing**
  - Connects ISPs, NSPs, company’s

- **BGP-4** is the Inter-Domain Routing Protocol

- **BGP Infrastructure** is policy routing in use
Securing Inter-Domain Routing

- Securing involves identifying
  - Vulnerabilities of BGP
  - Whether attacks or errors cause problems to the infrastructure
  - Countermeasures
  - Whether we have threats at this time?
Panelists

- Dr. Sandy Murphy (TIS Labs)
  - BGP Vulnerabilities and Possible Solutions
- Curtis Villamizer (ANS)
  - Improving Internet Routing Robustness
- Dr. Tony Li (Juniper)
  - BGP Origin Authentication
- Dr. Charles Lynn (BBN)
  - Secure Border Gateway Protocol (S-BGP)