

## Technical Aspects of Botnets

Wednesday, May 30, 2012

Green Auditorium, National Institute of Standards and Technology

**8:30 AM – 9:00 AM**      **Registration**

**9:00 AM – 9:10 AM**      **Workshop Overview**

**9:10 AM – 9:20 AM**      **Welcome and Opening Remarks**

**Speaker:**      Ari Schwartz  
Senior Policy Advisor, Office of the Secretary  
Department of Commerce

**9:20 AM – 9:30 AM**      **Keynote**

**Speaker:**      Patrick D. Gallagher  
Under Secretary for Standards and Technology and  
Director of the National Institute of Standards and Technology

**9:30 AM – 10:45 AM**      **Panel 1: Current and Future Efforts and Challenges**

**Description:**      *This panel will discuss several of the efforts in this area. The panel will also address issues and challenges related to the prevention, detection, notification, and remediation of botnets. Panel members will discuss the impact of botnets, the characteristics and threats that make botnets a unique problem, and what it will take to effectively counter them. The panel will focus on the environment and ecosystem in which botnets function and the gaps in developing solutions.*

**10:45 AM – 11:00 AM**      **BREAK**

**11:00 AM – 12:15 PM**      **Panel 2: Metrics, Measurements and Reporting**

**Description:**      *This panel will focus on opportunities and methods for measuring and reporting botnets. Panelists will examine what metrics work, how they should be reported, if they need to be standardized, where they should be employed, and the major challenges. The panel will discuss current and future efforts to develop metrics and potential methodologies for evaluating and reporting botnets over time.*

**12:15 PM – 1:30 PM**      **LUNCH**

**1:30 PM – 2:45 PM      Panel 3: Technologies, Tools, and Resources**

**Description:** *This panel will explore the various technologies, tools and resources that are needed to effectively detect, prevent and remediate botnets. Panel members will examine their effectiveness, existing gaps or areas needing improvement, and those characteristics that make them most useful.*

**2:45 PM – 4:00 PM      Panel 4: Roles and Responsibilities**

**Description:** *The botnet ecosystem has many players. In this panel, government and private sector representatives will share their perspectives on what roles the various stakeholders (e.g. ISPs, browser providers, security firms, search engines, users, etc.) play and what their responsibilities are or could be. Panelists will discuss trends, gaps, and opportunities in the current environment.*

**4:00 PM – 4:30 PM      Summary of Conclusion and Audience Reflection and Next Steps**

**Facilitator:** *TBD*

**Description:** *This will also be an opportunity for the audience to give their input into what they took away from the day as well as what they think needs to happen next and from whom: USG/NIST and private sector stakeholders.*

**4:30 PM                      Closing Remark**

**Speaker:** Donna Dodson  
Chief, Computer Security Division and  
Deputy Chief Cybersecurity Advisor  
National Institute of Standards and Technology