WiFi Security Workshop

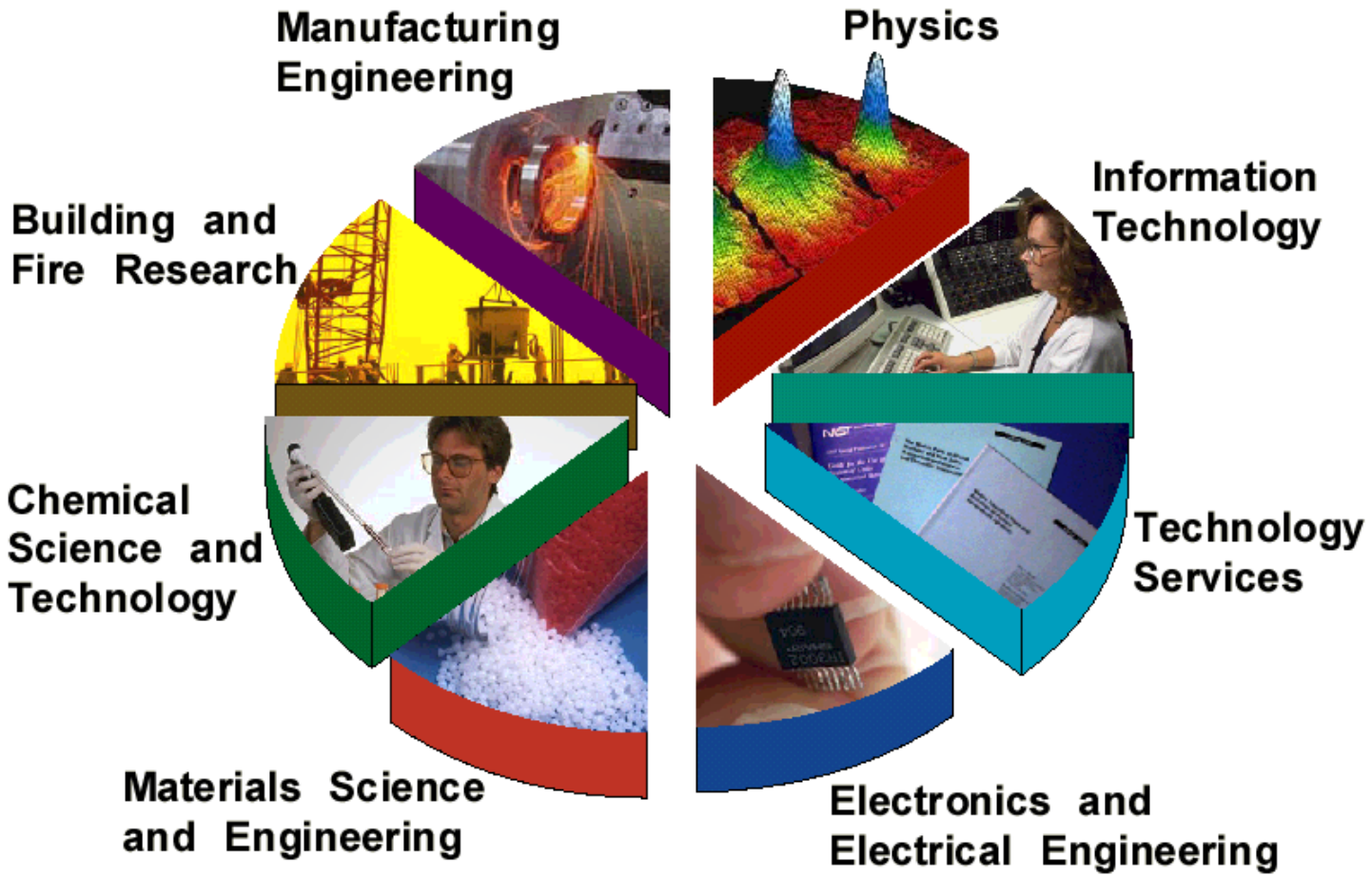
NIST Opening Remarks

4-5 December 2002

Outline

- **About NIST**
- **Motivation**
- **Objectives**
- **Attendees today**
- **Agenda**
- **Overview of NIST**

NIST Measurement and Standards Laboratories



NIST

NIST's mission is to develop and promote measurement, standards, and technology to enhance productivity, facilitate trade, and improve the quality of life.

NIST Assets Include:

- **3,000 employees**
- **1,600 guest researchers**
- **$760 million annual budget**
- **NIST Laboratories -- National measurement standards**
- **Advanced Technology Program**
- **Manufacturing Extension Partnership**
- **Baldrige National Quality Award**

Motivation

There are two key motivators for the workshop:

- **The security community, including the US Government, should fully understand WPA & RSN and its security implications.**

- **The public and private sectors need strong (i.e. FIPs 140-2/AES), agile, and well-implemented security standards/mechanisms**

Primary Objectives

- **To ensure that NIST and other interested Federal agencies understand the current direction of the WiFi Industry**
- **To convey the Federal government cryptographic security requirements to the WiFi Industry**
- **To map a strategy for the expeditious roll-out of a very robust WiFi security**
- **Identify areas in which NIST can, given adequate resources, play a productive role**

Attendees

- **Key members of the WiFi Industry**
- **National Security Agency**
- **Office of Secretary of Defense**
- **Federal Communication Commission**
- **Key members of the academic and cryptographic community**
- **US Secret Service**
- **NIST**

Agenda Review

Day 1 Agenda

7:30-8:00AM	Check-in	30min	All
8:00-8:10AM	Remarks	30min	Wilson
8:10-8:30AM	Motivation	30min	Grance
8:30-9:10AM	Roundtable	40min	All
9:10-10:10AM	Gov't Req's	60min	Burr et. al.
10:10-10:20AM	SP800-48	10min	Karygiannis
10:20-10:30AM	Break	10min	All
10:30-11:30AM	User's View	60min	Whitlock
11:30-12:30PM	FIPS140	60min	Easter

Day 1 Agenda (Cont'd)

12:30-1:30PM	Lunch/S-O-I	60min	Pescatore
1:30-2:30PM	IEEE/WiFi All	60min	Cam/Ferro
2:30-3:30PM	What is WPA?	60min	Walker
3:30-3:40PM	Break/Tour	10min	All
3:40-4:40PM	What is RSN?	60min	Walker
4:40-5:30PM	IETF Status	50min	Aboba
5:30-5:45PM	Day 1 Sum.	15min	Owens
5:45-6:30PM	Break	45min	All
6:30-9:00PM	Social	21/2hr	All

Day 2 Agenda

7:30-8:00AM	Check-in	30min	All
8:00-8:10AM	Day 1 Review	10min	Owens
8:10-9:10AM	What is RSN?	60min	Walker
9:10-10:00AM	Panel	50min	DiSabato
10:00-10:10AM	Break	10min	All
10:10-11:15AM	Why WPA?	65min	Housley
11:15-12:30PM	Why RSN?	75min	Housley
12:30-1:30PM	Lunch/An’ys	60min	All

Day 2 Agenda (Cont'd)

1:30-2:15PM	Why RSN?	45min	Housley
2:15-2:30PM	Break/Tour	15min	All
2:30-4:40PM	Strategy sess	2hr.10min	All
4:40-5:00PM	Summary	20min	Owens
5:00-5:10PM	Wrap-up	10min	Grance

Contact Information

- **Tim Grance**

  National Institute of Standards and Technology

  grance@nist.gov

  Telephone: 301-975-4242