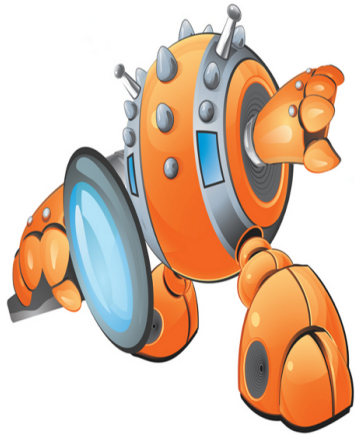


Welcome to the NIST workshop on Software Measures and Metrics to Reduce Security Vulnerabilities

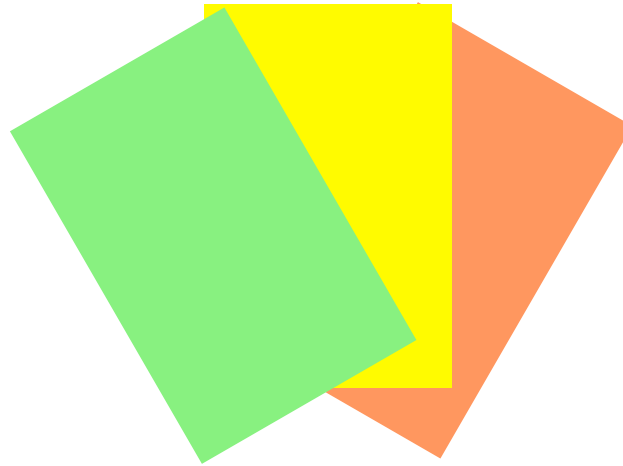


SwMM-RSV



Announcement

Everyone has a set of green, yellow, and red slips for “straw polls” or audience response.



Workshop Object of Interest

- **Software (as a product)**
- **Measures and Metrics on Software ...**
- **that help dramatically reduce security vulnerabilities.**

Workshop goal

- **How can the Federal Government best use taxpayer money to identify, improve, package, deliver, or boost the use of software measures and metrics to significantly reduce vulnerabilities?**

We expect and encourage discussion and interaction throughout the day.

SwMM-RSV Agenda - morning

0910 Federal Cybersecurity Research and Development Strategic Plan, **Greg Shannon, White House Office of Science and Technology Policy**

0915 Opening Remarks, **William F. Guthrie, Chief, Statistical Engineering Division, NIST**

0930 Measuring Software Analyzability, **Andrew Walenstein**

1000 Dealing with Code that is Opaque to Static Analysis, **James Kupsch**

1030 **break**

1050 Developing security oriented application profiling with attack surface analysis to reduce measurable risk on software, **Abel Torres**

1110 Composing processes for secure development using process control measures, **William Nichols**

1130 **lunch**

SwMM-RSV Agenda - afternoon

1130 **lunch**

1300 CISQ Measures of Secure, Resilient Software, **Dr. Bill Curtis**

1320 Mostly Sunny with a Chance of Cyber-doom, **David Flater**

1340 Efficacy and Benefit of Dynamic Testing, **Dr Andrew V. Jones**

1400 **breakouts**

1420 **break**

1450 breakout reports: 6 × 5 minutes

1520 Toward Evidence-Based Low Defect Software Production,
James Kirby Jr.

1540 Using Malware Analysis to Reduce Design Weaknesses,
Carol Woody, Ph.D.

1600 Measure Early and Measure Often – SWAMP, **Miron Livny**

1620 Summary - Our Next Step, **Paul E. Black**

SwMM-RSV Agenda - afternoon

1130 lunch

1300 CISQ Measures of Secure, Reliable Software, **Dr. Bill C.**

1320 Mostly Sunny with a Chance of Cyber, **David Water**

1340 Efficacy, **Andrew V. Jones**

1400 breakouts

1420 breakouts

1450 breakout reports: 6 × 5 minutes

1520 Toward Evidence-Based Low Defect Software Production,
James Kirby Jr.

1540 Using Malware Analysis to Reduce Design Weaknesses,
Carol Woody, Ph.D.

1600 Measure Early and Measure Often – SWAMP, **Miron Livny**

1620 Summary - Our Next Step, **Paul E. Black**



Go to your break out "corners".
Discuss: What is the most important item for the report?
You may **not** nominate your work.