# ACSAC 2005 December 5-9 Quick Glance

## December 6

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30</td>
<td>Welcome and Distinguished Practitioner: Brian Snow, National Security Agency - “We Need Assurance!”</td>
</tr>
<tr>
<td>10:30</td>
<td><strong>Software Security</strong>&lt;br&gt;- Model Checking An Entire Linux Distribution for Security Violations&lt;br&gt;- Strengthening Software Self-Checkoutsumming via Self-Modifying Code&lt;br&gt;- Countering Trusting Trust through Diverse Double-Compiling</td>
</tr>
<tr>
<td>10:00</td>
<td><strong>Network Intrusion Detection</strong>&lt;br&gt;- A Framework for Detecting Network-Based Code Injection Attacks Targeting Windows and UNIX&lt;br&gt;- Exploiting Independent State for Network Intrusion Detection&lt;br&gt;- A Host-Based Approach to Network Attack Chaining Analysis</td>
</tr>
<tr>
<td>12:00</td>
<td>Lunch</td>
</tr>
<tr>
<td>15:00</td>
<td>Lunch</td>
</tr>
<tr>
<td>15:30</td>
<td><strong>Vulnerability Assessment</strong>&lt;br&gt;- Automated and Safe Vulnerability Assessment&lt;br&gt;- Understanding Complex Network Attack Graphs through Clustered Adjacency Matrices&lt;br&gt;- Intrusion Detection in RBAC-Administered Databases</td>
</tr>
<tr>
<td>17:00</td>
<td>Break</td>
</tr>
<tr>
<td>18:00</td>
<td><strong>Exhibits, NISS Award, NIAP Ceremony and Reception</strong></td>
</tr>
</tbody>
</table>

## December 7

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00</td>
<td>Lunch</td>
</tr>
<tr>
<td>13:30</td>
<td><strong>Technology Blitz! Technology presentations from industry</strong></td>
</tr>
<tr>
<td>15:00</td>
<td><strong>OS Security Mechanisms</strong>&lt;br&gt;- Multi-level Security Requirements for Hypervisors&lt;br&gt;- Building a MAC-based Security Architecture for the Xen OpenSource Hypervisor&lt;br&gt;- E-NeXSh: Achieving an Effectively Non-Executable Stack and Heap via System-Call Policing</td>
</tr>
<tr>
<td>17:00</td>
<td>Break</td>
</tr>
<tr>
<td>17:30</td>
<td><strong>Data Integrity</strong>&lt;br&gt;- Dynamic Taint Propagation for Java&lt;br&gt;- An Integrity Verification Scheme for DNS Zone File Based on Security Impact Analysis&lt;br&gt;- Paranoid: A Global Secure File Access Control System</td>
</tr>
</tbody>
</table>

## Panel:
**How Does Information Assurance R&D Impact Information Assurance in Practice?**

Chair: Dr. Doug Maughan DHS<br>Dr. Steve King DoD/DDR&E<br>Mr. Mark Powell FAA<br>Mr. Michael Brown FAA

## Case Study: Internet Security Visualization

**Case Study: Managing the Enterprise**

- Aligning Roles for a Managed Security Environment
- Security Methodology and Incident Response
- Designing for Insecurity

**Panel:**
**Thinking of a Career in Information Assurance and How to Advance in the Field**

Chair: Marla Collier

**Internet Resources**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00</td>
<td>Lunch</td>
</tr>
<tr>
<td>13:30</td>
<td><strong>Technology Blitz! Technology presentations from industry</strong></td>
</tr>
</tbody>
</table>
| 15:00 | **Panel:**

**Thinking of a Career in Information Assurance and How to Advance in the Field**

Chair: Marla Collier

**Internet Resources**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>17:00</td>
<td>Break</td>
</tr>
<tr>
<td>17:30</td>
<td><strong>Works in Progress - 19 presentations in 90 minutes</strong></td>
</tr>
</tbody>
</table>
**Thursday**  
ACSAC 2005 Quick Glance  
December 8

**8:30**  
Classic Papers  
- Looking Back on the Bell-LaPadula Model, David Elliott Bell  
- The Pump: A Decade of Covert Fun, Myong H. Kang, Naval Research Laboratory

**10:00** Break

**10:30** Malware  
- Design and Implementation of an Extrusion-Based Break-In Detector for Personal Computers  
- Detecting Intra-Enterprise Scanning Worms based on Address Resolution  
- Stealth Breakpoints

Panel: Highlights from the 2005 New Security Paradigms Workshop  
Chair: Abe Singer  
San Diego Supercomputer Center

Case Study: Security in Health Care  
- The OneHealthPort Trusted Community: Simplifying Access to Information for Healthcare  
- Curing Secure Remote Access Pains  
- Enterprise Single Sign-On: How City Hospital Cured Its Password Pain

**12:00** Lunch

**13:30** Distributed System Security  
- mSSL: Extending SSL to Support Data Sharing Among Collaborative Clients  
- Layering a Public-Key Distribution Service over Secure DNS  
- PorKi: Making User PKI Safe on Machines of Heterogeneous Trustworthiness

Access Control  
- Uniform Application-Level Access Control Enforcement of Organizationwide Policies  
- Using Continuous Biometric Verification to Protect Interactive Login Sessions  
- Improved Port Knocking with Strong Authentication

Case Study: Common Criteria  
- Writing a Protection Profile for a Security Service Package  
- MILS, Multiple Independent Levels of Security  
- A Comprehensive Review of the National Information Assurance Partnership

**15:00** Break

**15:30** Passwords and Applied Crypto  
- Graphical Passwords: A Survey  
- Have the Cake and Eat It Too – Infusing Usability into Text-Password Based Authentication Systems  
- Fault Attacks on Dual-Rail Encoded Systems

Defense in Depth / Database Security  
- Survivability Architecture of a Mission-Critical System: the DPASA Example  
- Generating Policies for Defense in Depth  
- Defensive Execution of Transactional Processes Against Attacks

Case Study: Privacy  
- Privacy Requirements Implemented with a JavaCard  
- Privacy-Preserving Alert Correlation: A Concept Hierarchy Based Approach  
- Securing Email Archives through User Modeling

**17:00**

---

**Monday**  
Tutorials and Issues Workshop  
December 5

**8:30**  
M1 Web Application Security  
M2 Common Criteria Version 3  
M3 Trust Management

12:00 Lunch

13:30 M4 Defenses Against Viruses, Worms, and Malicious Software

**17:00**

---

**Friday**  
Tutorials  
December 9

**8:30**  
F5 Acquisition and Analysis of Large Scale Network Data V.2.  
F6 Practical Security Policy Modeling  
F7 Securing Enterprise & Government Web Service Applications: A Lifecycle Perspective

12:00 Lunch

13:30 F8 Identifying and Addressing Mobile Security Issues

**17:00**

Next year ACSAC 2006 is at the Wyndham Miami Beach Resort, Florida December 10-17, 2006