

## Detailed Program Information

### Registration Desk Open

#### Session Details

Monday, December 12, 2005  
7:30 a.m. - 5:00 p.m.  
Junior Ballroom Registration Desk

### Breakfast

#### Session Details

Monday, December 12, 2005  
7:30 a.m. - 8:30 a.m.  
Capital Club (Mezzanine Level/one level above the lobby)

### Welcome and Introduction

#### Session Details

General Session  
Monday, December 12, 2005  
8:30 a.m. - 8:35 a.m.  
Junior Ballroom

#### Speaker(s)

- [Victor Hazlewood](#), Information Security Officer, San Diego Supercomputer Center
- [Margaret S. Leinen](#), Assistant Director of Geosciences, National Science Foundation

#### Available Resources

The following resources have been provided by this session's speaker(s). To download a file, right click the link and select "Save Target As" or "Save Link As."

Resource Name	Comments	Date Added
<a href="#">General Event Information</a> [143 KB PPT]	n/a	December 14, 2005 1:31 PM
<a href="#">Cybersecurity Summit 2004 Final Report</a> [Web resource]	n/a	December 14, 2005 1:42 PM

### The Incident that Brought us Together

#### Session Details

General Session  
Monday, December 12, 2005  
8:35 a.m. - 9:10 a.m.  
Junior Ballroom

#### Speaker(s)

- [James J. Barlow](#), Head of Security Operations and Incident Response, National Center for Supercomputing Applications
- [Victor Hazlewood](#), Information Security Officer, San Diego Supercomputer Center

#### Abstract

A summary of the incident that brought us together, it's current state and where we are heading in the future.

#### Available Resources

Resources for this session are available in the [EDUCAUSE Resource Center](#).

- [View Session Resources](#)

### Security Requirements for Shared Collections

#### Session Details

General Session  
Monday, December 12, 2005  
9:10 a.m. - 10:10 a.m.  
Junior Ballroom

### Speaker(s)

- [Reagan W. Moore](#), Director, DICE, San Diego Supercomputer Center

### Abstract

International collaborations are now based on shared collections that span multiple institutions' administrative domains. The collections are managed by data grids, which implement global persistent name spaces for managing shared data. They also provide trust virtualization—the ability to assert authenticity and authorization independently of the underlying storage resources. We will examine how trust virtualization is managed and the implications for security requirements. Examples from multiple international projects that use federation of data grids to increase local control of resources will illustrate various challenges. We will also look at pragmatic issues related to data integrity for petascale collections.

### Available Resources

Resources for this session are available in the [EDUCAUSE Resource Center](#).

- [View Session Resources](#)

## Refreshment Break

### Session Details

Monday, December 12, 2005  
10:10 a.m. - 10:30 a.m.  
Junior Ballroom Foyer

## Architecting Security into Research Projects

### Session Details

Panel Session  
Monday, December 12, 2005  
10:30 a.m. - 11:30 a.m.  
Junior Ballroom

### Speaker(s)

- [Scott McCaulay](#), TeraGrid Site Lead, Indiana University
- [George O. Strawn](#), CIO, National Science Foundation
- [Von Welch](#), Manager, Security R&D, National Center for Supercomputing Applications

*Session moderator:* [Peter M. Siegel](#), Chief Information Officer, University of Illinois at Urbana-Champaign

### Available Resources

The following resource has been provided by this session's speaker(s). To download a file, right click the link and select "Save Target As" or "Save Link As."

Resource Name	Comments	Date Added
<a href="#">Architecting Security into Research Projects</a> [15 KB PPT]	<i>n/a</i>	December 14, 2005 1:33 PM

### More Information

For more information, see:

</ir/library/powerpoint/CYB0505.pps>

## Building More Secure Information Systems

### Session Details

General Session  
Monday, December 12, 2005  
11:30 a.m. - 12:20 p.m.  
Junior Ballroom

## Speaker(s)

- [Ronald Ross](#), Project Leader, FISMA Implementation Project, National Institute of Standards and Technology

## Abstract

The National Institute of Standards and Technology (NIST) is leading the development of key information security standards and guidelines as part of its Federal Information Security Management Act (FISMA) Implementation Project. This high-priority project includes the development of security categorization standards; minimum security requirements standards; and guidelines for the selection of minimum or baseline security controls for information systems, assessing the effectiveness of security control, and the security certification and accreditation of information systems. This session covers NIST publications and how they can be integrated into a comprehensive, risk-based, enterprise information security program.

## Available Resources

Resources for this session are available in the [EDUCAUSE Resource Center](#).

- [View Session Resources](#)

## Lunch

### Session Details

Monday, December 12, 2005  
12:20 p.m. - 1:20 p.m.  
Capital Club (Mezzanine Level/one level above the lobby)

*Breakout Session Overview and Guidelines groups will meet continuously; however, there will be an afternoon refreshment break as noted below*

### Session Details

General Session  
Monday, December 12, 2005  
1:20 p.m. - 1:25 p.m.  
Junior Ballroom

## Speaker(s)

- [Victor Hazlewood](#), Information Security Officer, San Diego Supercomputer Center

## Available Resources

The following resource has been provided by this session's speaker(s). To download a file, right click the link and select "Save Target As" or "Save Link As."

Resource Name	Comments	Date Added
<a href="#">Breakout Session Overview and Guidelines</a> [85 KB PPT]	n/a	December 14, 2005 1:35 PM

## More Information

For more information, see:

[/ir/library/powerpoint/CYB0506.pps](#)

## Policies, Standards, Guidelines and Security Plans

### Session Details

Breakout 1  
Monday, December 12, 2005  
1:35 p.m. - 5:00 p.m.  
Pavilion 22 (Lobby Level)

## Breakout Leader(s)

- [Abe Singer](#), Computer Security Researcher, University of California, San Diego
- [Jeffrey C. McCabe](#), Associate Director, Information Technologies Issues Management, Texas A&M University

## Abstract

Research laboratories, research centers, and academic IT enterprises share a common dependency on IT infrastructure. Our community could evaluate and adopt a variety of security policies, standards, guidelines, and security plans. We will discuss what is needed, which

examples could be a good fit, and recommendations for our community.

## Awareness and Training

### Session Details

Breakout 2  
Monday, December 12, 2005  
1:35 p.m. - 5:00 p.m.  
Pavilion 23 (Lobby Level)

### Breakout Leader(s)

- [Mark S. Bruhn](#), Associate VP for Telecommunications/Chief IT Security and Policy Officer, Indiana University
- [Corbin Miller](#), IT Security Operations Lead, Deputy IT Security Manager, NASA Jet Propulsion Laboratory

### Abstract

Security in our open and collaborative academic and research communities is a challenge and perceived by some to lag behind the general information technology community. Activities designed to educate users and technicians about security issues and responsibilities are considered a key component of a good security program. This group will discuss the variety of audiences involved, brainstorm ideas on how best to reach each audience, and discuss current efforts under way in this area.

### Available Resources

Resources for this session are available in the [EDUCAUSE Resource Center](#).

- [View Session Resources](#)

## Intrusion Detection and Incident Response

### Session Details

Breakout 3  
Monday, December 12, 2005  
1:35 p.m. - 5:00 p.m.  
Mezzanine 2 (Mezzanine Level/one level above the lobby)

### Breakout Leader(s)

- [James J. Barlow](#), Head of Security Operations and Incident Response, National Center for Supercomputing Applications
- [Stephen Lau, Jr.](#), Cyber Analyst, Lawrence Berkeley National Laboratory
- [Gene Rackow](#), CyberSecurity Engineer, Argonne National Laboratory

### Abstract

An intrusion detection system (IDS) and security incident response (IR) continue to be a challenge in our community. The budgets for security labor and products in laboratories and centers are small and limited, leading in many cases to the search for open source or low-cost solutions to these problems. A thorough discussion of the issues and challenges in IDS and IR will be conducted. The sharing of successful examples will be encouraged, and IDS and IR recommendations will be sought in the discussions.

### Available Resources

The following resources have been provided by this session's speaker(s). To download a file, right click the link and select "Save Target As" or "Save Link As."

Resource Name	Comments	Date Added
<a href="#">Intrusion Detection Breakout notes</a> [5 KB TXT]	General notes taken from the Intrusion Detection and Incident Response breakout session. Thanks to Steve Lau for taking them during the session.	December 19, 2005 11:19 AM
<a href="#">Intrusion Detection and Incident Response breakout report</a> [342 KB PDF]	<i>n/a</i>	December 19, 2005 11:19 AM

## Data Integrity Assurance in the Research Environment

### Session Details

Breakout 4  
Monday, December 12, 2005  
1:35 p.m. - 5:00 p.m.  
Pavilion 25 (Lobby Level)

## Breakout Leader(s)

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- [Victor Hazlewood](#), Information Security Officer, San Diego Supercomputer Center
- [Tom Bettge](#), Deputy Director, Scientific Computing Division, University Corporation for Atmospheric Research (UCAR)/NCAR

## Abstract

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The research cyberinfrastructure contains a wide variety of data stored on computing systems, SANs, archival systems, and data collection services. Access to such stored data requires authentication and access control. Data integrity assurance involves the mitigation of the risk of loss of data from a variety of sources including disasters, media corruption, software and hardware failures, operational errors, and unintentional or unauthorized activity. These data integrity assurance issues will be discussed and recommendations will be sought.

## Authentication

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### Session Details

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Breakout 5  
Monday, December 12, 2005  
1:35 p.m. - 5:00 p.m.  
Conference 6 (First Floor/one level below the lobby)

## Breakout Leader(s)

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- [Von Welch](#), Manager, Security R&D, National Center for Supercomputing Applications
- [Kenneth J. Klingenstein](#), Director, Internet2 Middleware and Security, University of Colorado at Boulder

## Abstract

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Authentication and access control mechanisms abound. Researchers continue to find new and novel ways to interface to the IT infrastructure. How do research laboratories and centers bridge the divide between IT utility, ease of use, and the requirement for secure authentication and access control? A wide variety of methods and implementations will be discussed, including Shibboleth, Kerberos, one-time passwords, and other personal-identification verifications technologies that can be used in grids, gateways, and portals.

## Refreshment Break

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### Session Details

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Monday, December 12, 2005  
2:30 p.m. - 3:00 p.m.  
Junior Ballroom Foyer

## Reception

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### Session Details

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Monday, December 12, 2005  
5:00 p.m. - 6:00 p.m.  
Capital Club (Mezzanine Level/one level above the lobby)

## Birds-of-a-Feather

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### Session Details

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Monday, December 12, 2005  
7:30 p.m. - 9:00 p.m.  
Mezzanine 2 and Mezzanine 3



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