

## **Minitrack on Deep Issues in Security**

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### **The Minitrack**

The purpose of the Minitrack on Deep Issues in Security is to explore broad and deep issues facing security, not merely to study specific problems. Criteria in selecting papers were breadth and, of course, quality. Six papers were submitted, but there was only enough time in the minitrack session to accept three of them.

### **Cyber Security Exercises:**

#### **Testing an Organization's Ability to Prevent, Detect, and Respond to Cyber Security Events**

Gregory B. White, Glenn Dietrich, and Tim Goles,  
The University of Texas at San Antonio

This paper discusses a series of large-scale multi-agency exercises conducted to address security issues common to large organizations, sectors, and the government. The exercises tested the organization's ability to respond to a cyber security event involving multiple sectors and agencies. This paper explores the lessons learned and proposes an approach to coordinating security between all levels of government as well as between the critical infrastructures and sectors. A discussion on how the cyber security exercises were conducted is included to provide a framework for organizations to conduct their own exercise.

### **Password Based Authentication: A System Perspective**

Art Conklin, Glenn Dietrich, Diane Walz  
The University of Texas at San Antonio

Without good authentication, the best encryption for confidentiality is useless. Passwords provide the simplest, most widely despised, and most widely used authentication method in organizations today. Passwords difficult enough to manage when most people only had a single password on a single system. Today, however, many users use multiple systems and either must remember different passwords or use the same password in multiple systems. This is not a new insight, but this paper does a thorough analysis of the realities of users using multiple systems.

### **Dissecting Computer Fraud: From Definitional Issues to a Taxonomy**

Lucian Vasiu, Deakin University  
Ioana Vasiu, Babes-Bolyai University  
Matthew Warren, Deakin University

Computer crime is a broad area. Some computer crimes, but not all, are computer frauds. Security professionals need to understand which computer crimes are computer frauds, the types of computer frauds, and how computer fraud is treated differently than other types of computer crime.