

The Malicious Exploitation of Information Systems:

Preventing the Rise of the Insider Threat

6th - 7th November 2008

University College London

The deliberate and malicious exploitation of company information systems can have a significant impact on a company's profit and reputation. Join experts from around the world in developing new insights on what remains one of the industry's greatest concerns.

DAY 1 - Conference

- 9:30 **Welcome**
Chairs: *Angela Sasse (University College London)*, *Nigel Jones (Cyber Security KTN)*
- 9:40 **Overview of a Multidisciplinary Exploration of Insider Threats**
Shari Lawrence Pfleeger (The RAND Corporation)
- 10:10 **An Empirical Approach to Identify Information Misuse by Insiders**
Greg Stephens & Deanna Caputo (MITRE)
- 10:40 **Tea & Coffee break**
- 11:00 **Insider Threat: Defining Behavioural & Organisational Vulnerabilities**
Speaker from CPNI
- 11:30 **Risk Managing Insider Threats**
Laurence Mulley (SOCA)
- 12:00 **My Experiences of Committing Fraud**
Convicted fraudster, interviewed by Martin Gill (Perpetuity Research and Consultancy International)
- 12:30 **Lunch**
- 13:30 **Risk Mitigation Models: Lessons Learned from Actual Insider Attacks**
Dawn Cappelli (CERT)
- 14:00 **Is there a Business Case for Employee Monitoring?**
Robert Coles (Merrill Lynch)
- 14:30 **Managing Risk by Monitoring Employees**
Kate Legg (Higgs & Sons)
- 15:00 **Tea & Coffee break**
- 15:30 **Issues in the Technologies of Digital Investigation**
Peter Sommer (London School of Economics & Open University)
- 16:00 **Closing panel**

DAY 2 - Masterclasses

MORNING SESSION

1. **Modelling Organisations to Identify Points of Weakness which Insiders Exploit**

Clive Blackwell (Royal Holloway)
Systematically examine the Insider Threat
A practical three-layer security architecture
Illustrate the practicality and effectiveness of model

OR

2. **Pro-active Detection of Malicious Insiders Through Information-Use Patterns**

Greg Stephens & Deanna Caputo (MITRE)
Insiders who misuse their privileges to steal sensitive information can be identified by examining their patterns of information
Leveraging context about the user and the information with which they interact helps differentiate legitimate from benign patterns
We have developed and successfully tested these concepts, building a system called ELICIT (Exploit Latent Information To Counter Insider Threats)

AFTERNOON SESSION

3. **Designing Out Crime**
Paul Ekblom (Design Against Crime Research Centre, Central Saint Martins College of Art & Design)

Clear definition of what we mean by dishonesty

Process for identifying and tackling problems using participants' own examples

Running the arms race: importance of variety, adaptability etc.

OR

4. **Effective Communication & Persuasion for Behaviour Change**
Peter Trim (Birkbeck College) & Angela Sasse (University College London)

Fee: £350 +VAT
(£200 + VAT for attending one day only)

Fee for Academics: £250 + VAT
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DAY 1

DAY 2

If you are attending Day 2 please select which mastersclasses you would like to attend

MORNING Masterclass 1 or Masterclass 2

AFTERNOON Masterclass 3 or Masterclass 4

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