

# The Graduate School of Management at the University of Dallas



Center for Academic Excellence in Information Assurance

PROTECTING, DEFENDING AND SECURING THE DIGITAL WORLD

## Summer Reading List

Way to go Bruce

EDiscovery

Alumni Needed

July 2009

### SUMMER READING LIST

With summer here, now is the perfect time to catch up on your reading. With this in mind we have complied a MUST READ list.

#### **Adam's Tongue: How Humans Make Language, How Language Made Humans**

by Derek Bickerton

Overview of linguistics and his theories

#### **The Archimedes Codex: How a Medieval Prayer Book is Revealing the True Genius of Antiquities Greatest Scientist**

by Reviel Netz and William Noel

In 1998 Christie's auctioned off a medieval manuscript that was made from a codex (scraped off re-used paper) that turned out to be written by Archimedes (287-212 BC) and reveals pre-modern math and science.

#### **Cyber Crime Fighters: Tales from the Trenches**

by Felicia Donovan and Kristyn Bernier

Good book to share with your non-IA friends on the scary stuff out there. There are a few things that are technically not correct, but being that it was written by two law enforcement officials, the legal aspects and real world examples certainly make up for it.

**What are you reading this summer?**

Let us know via email at

[eangelico@gsm.udallas.com](mailto:eangelico@gsm.udallas.com)



Congratulations to Bruce McKay on passing the CISSP Exam



Bruce is a MS-IA student and credits the UD-IA program and the TECH 7350 Managing Information Security course for helping him prepare and successfully pass the CISSP exam. Bruce says "I was very confident prior to the exam, based on study recommendations provided in Tech 7350. I had already earned enough credits for the degree (except the Practicum credits), but wanted to obtain the Level II certification, for which Tech 7350 is required. The decision was a real blessing as Tech 7350 was the perfect review prior to the CISSP exam."

For those with the course prerequisites TECH 7350 is offered on-line and will be offered in the Fall 2009 trimester. TECH 7350 covers 9 of the 10 domains on the CISSP exam. The 10th domain cryptography is covered in TECH 6350.

Additionally, UD and a business partner IP3 offer a CISSP boot camp at the UD - Frisco location three to four times a year. The next CISSP boot camp will be offered September 14-18. For more information on the CISSP boot camp visit the UD-IA web site at <http://www.udallas.edu/gsm/ia/cisspbootcamp.cfm>.

## Alumni Corner

This month we spotlight an article by UD Alumni Clay Ramsey.



### **E-Discovery and CIA**

Electronic discovery, also called E-Discovery, is any process where electronic data is sought, obtained, and then searched for the purpose of using it as evidence in a legal case.

E-Discovery touches directly on the Information Assurance "CIA" triad in the following ways:

- **Confidentiality**

It is an axiom that it is of high importance to preserve the confidentiality of sensitive and / or proprietary information that is under subpoena. Problems are presented by the threat of disclosure through evidentiary processes and courtroom testimony. Managing for this threat is a prickly and difficult task. Sensitive documents that are subpoenaed but are not entered as evidence can still be considered protected, but, once an item is in evidence, it's a matter of public record. Redacting is an obvious, limiting safeguard, but anything that is addressed directly in testimony is out and in

the open. As you are limited to legal maneuvers to keep sensitive files locked away, you must prepare for the possible eventuality of exposure of sensitive material.

- **Integrity**

The trustworthiness of subpoenaed data is also of prime importance. Archival-grade data should be checksummed on entry into storage, so that it can be demonstrated that the data has not been altered. Current data cannot be checksummed reasonably, as it is going to be more dynamic, and offer the same assurances; it is important then that an organization have policies in place to immediately freeze data, checksum it, and professionally conduct a clean handover of subpoenaed data.

- **Availability**

The Federal Rules of Civil Procedure govern conduct in a court room. Rule 30 (b)(2) governs production of documents under subpoena and Rule 30 (b)(6) governs how an organization under the credible threat of a subpoena must be reacted to. To satisfy these rules, organizations are advised to create managerial committees, who prepare policies that will direct their response to the presentation of a subpoena. These policies are applicable at the time that the organization considers a lawsuit to be a reasonable threat.

E-Discovery therefore is a rather invasive process, with several facets that interest an Information Assurance professional. The invasiveness can be managed, though, if management takes the time to develop proactive policies. Some measure of control can be exercised in this otherwise out of control situation, and having policies in place in advance allows the searched organization to demonstrate professional responsibility and cooperative behavior with the court.

E-Discovery can take place on a particular computer, brought in, and integrated into a network for example, or it can be carried out over a network, where individual servers are workstations are searched individually. Interestingly, a court can order, or a government can sanction, hacking for the purpose of obtaining critical evidence; E-Discovery can therefore have a remote flavor to it.

When you consider the litigious nature of our society and of our business culture in particular, it is evident that this field has strong prospects. E-Discovery does have barriers to entry, though. First and foremost, your firm must possess equal parts technical and legal knowledge. Second, a good Rolodex comes in handy. But, E-Discovery is firmly ensconced in American business, and therefore does offer good prospects for growth.



## Calling all Alumni

We are looking for a few Alumni to submit articles to the IA monthly newsletter. If you are interested, please contact Erin at [eangelico@gsm.udallas.edu](mailto:eangelico@gsm.udallas.edu)



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