

Digital Forensics

Dr. Bhavani Thuraisingham

The University of Texas at Dallas

**Validation and Recovering Graphic Files and
Steganography**

October 5, 2011

Outline

- **Topics for Lecture**

- **What data to collect and analyze**
- **Validating forensics data**
- **Data hiding techniques**
- **Remote acquisitions**
- **Recovering Graphic files**
- **Data compression**
- **Locating and recovering graphic files**
- **Steganography and Steganalysis**
- **http://www.fbi.gov/hq/lab/fsc/backissu/july2004/research/2004_03_research01.htm**

What data to collect and analyze

- Depends on the type of investigation
- Email investigation will involve network logs, email server backups
- Industrial espionage may include collecting information from cameras, keystrokes
- Scope creep: Investigation extends beyond the original description due to unexpected evidence