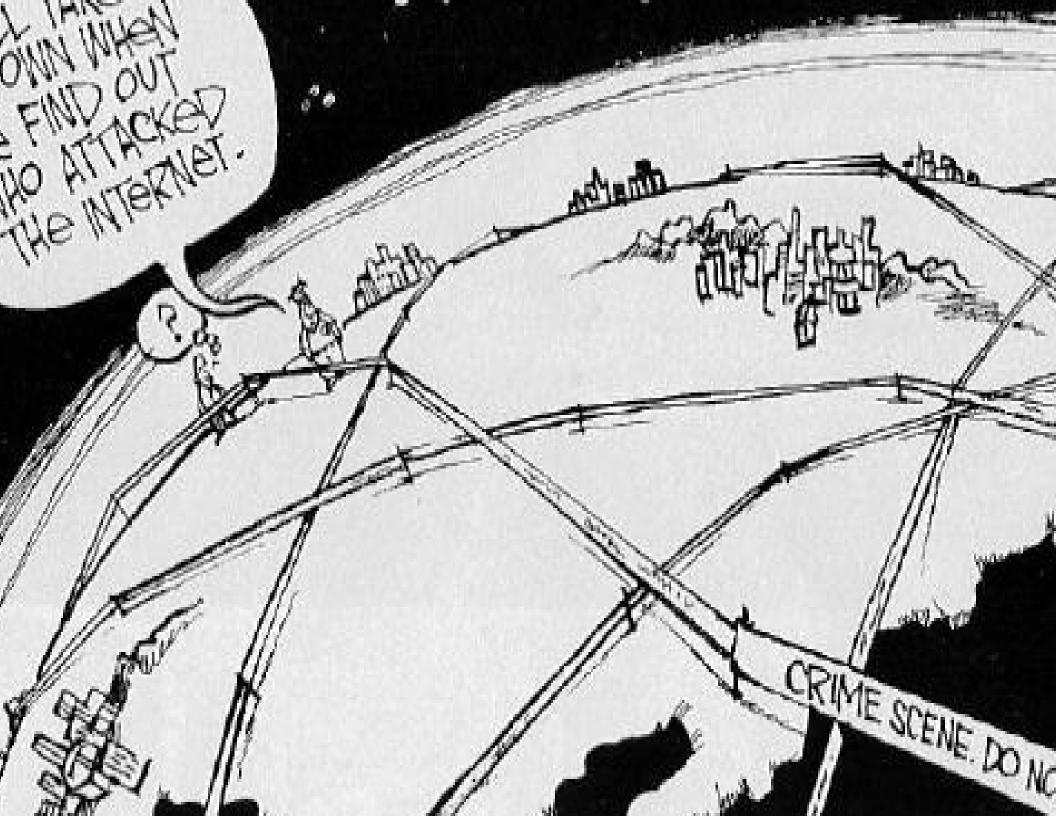
Developing Curriculum

Joint Workshop on Cyber Security 2008
CEISARE
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Agenda

- Historical context of CF/DE Curriculum
- Grand Challenges
- Potential Solutions
- Looking Forward
- Concluding Remarks



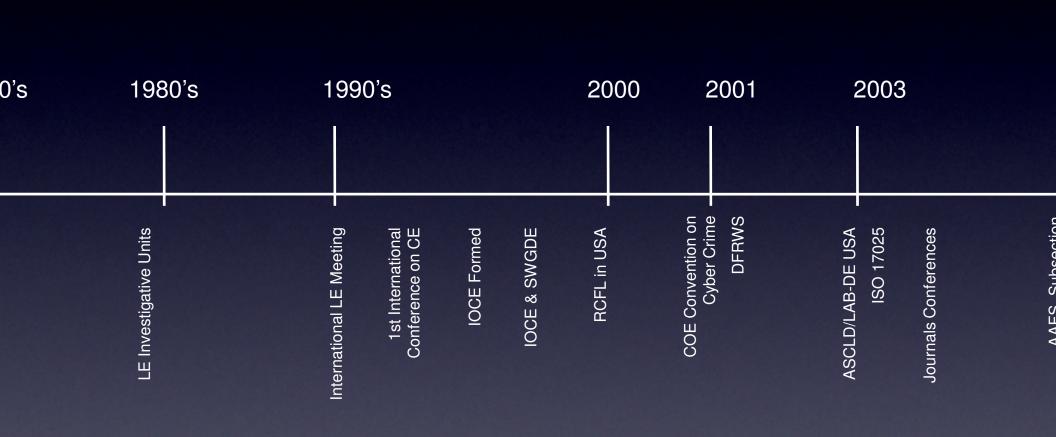
Context

Information Assurance

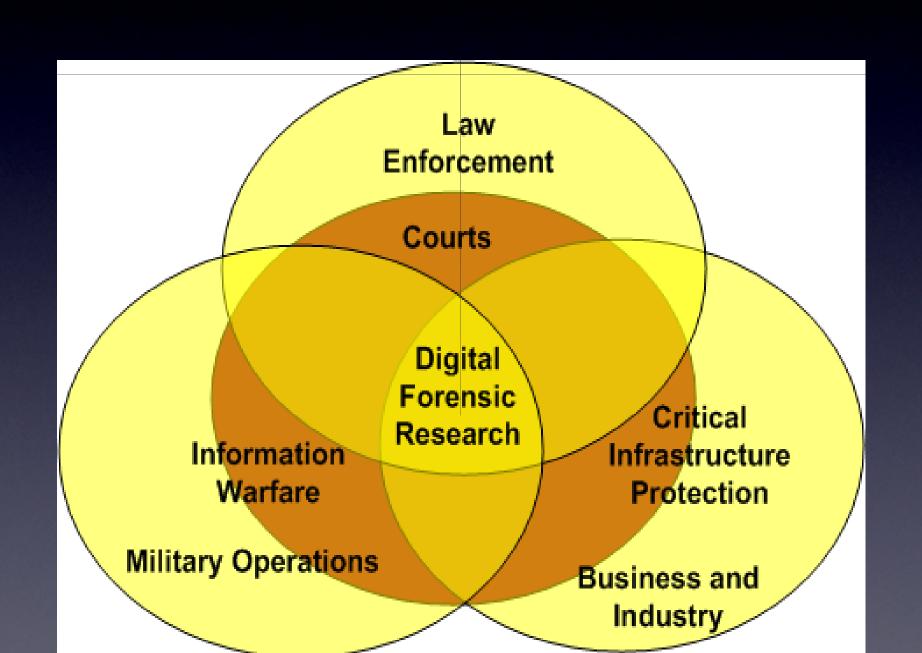
- Homeland Security
- Information Security
- Corporate Espionage
- White Collar Crime
- Child Pornography
- Traditional Crime
- Indident Response
- Employee Monitoring
- Privacy Issues
- . ŚŚŚŚ

Digital Evidence

HISTORICAI Context



Communities



Grand Challenges

- 4 Communities with competing goals?
- Investigation vs. Forensics
- Education vs. Training
- Corpus of Knowledge
- Curriculum Standards?
- Professional Certification(s)??

Criminolog Engineering

Criminalistics

Computer Science

Techr

Manageme

Math

Potential Solutions

- Keep in mind FORENSICS & EVIDENCE
- Despite the differences between communities the common element is:

Evidence that is DIGITAL

Possible Solutions

- Each community defines their own standards in cooperation with each other
 - Code of Ethics
- Put together the Corpus of Knowledge with the assistance of the different disciplines.
- Develop a "Gold Standard" Professional

Possible Solutions

- National accreditation program for Colleges/Universities offering degrees in this field
- National accreditation body for organizations offering training in this field

Possible Solutions

• MORE MONEY FOR RESEARCH!!

Looking Forward

- Continued lack of trained resources
- More specialization of KSA
- More & better scrutiny of DE by the courts
- More automation of tools and processes
- More need for a governing professional body - AAFS: Digital and Multimedia

Warning!!

- This will not become a commoditized industry!
- It will never be just about the tools!

Concluding Remarks

- The discipline is at a cross roads.
- We either become a true scientific discipline or we become a junk science
- We must become more formalized in our training & education
- There is/are common elements between the communities



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