Developing Curriculum

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CEISARE
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Agenda

• Historical context of CF/DE Curriculum
• Grand Challenges
• Potential Solutions
• Looking Forward
• Concluding Remarks
We'll take it down when we find out who attacked the Internet.
Context

Information Assurance

- Homeland Security
- Information Security
- Corporate Espionage
- White Collar Crime
- Child Pornography
- Traditional Crime
- Incident Response
- Employee Monitoring
- Privacy Issues
- ????
Communities

- Law Enforcement
- Courts
- Digital Forensic Research
- Information Warfare
- Military Operations
- Critical Infrastructure Protection
- Business and Industry
Grand Challenges

- 4 Communities with competing goals?
- Investigation vs. Forensics
- Education vs. Training
- Corpus of Knowledge
- Curriculum Standards?
- Professional Certification(s)??
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 Certification...
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 Sciences
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.
A SCENE FROM THE NEW SHOW 'CSI: BEEHIVE'

AT THIS POINT IN THE INVESTIGATION, I CAN TRULY SAY IT REALLY IS NONE OF YOUR BEESWAX.
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