

NOVA SOUTHEASTERN UNIVERSITY'S
GRADUATE SCHOOL OF COMPUTER AND INFORMATION SCIENCES

CELEBRATES NATIONAL CYBER SECURITY AWARENESS MONTH WITH

CYBER SECURITY DAY

AT **NSU** ON **OCTOBER 17**

"More and more, Americans are adopting new and innovative technologies and spending more of their time online. Our thirst for computers, smartphones, gadgets and Wi-Fi seems to have no limits. At home, at work and at school, our growing dependence on technology, coupled with increasing cyber threats to our privacy, demands greater security in our online world." (Department of Homeland Security, 2013)

In Collaboration With:



About Dr. Levy

- ✓ B.Sc. in Aerospace Engineering (1994)
- ✓ Master in Business Admin w/MIS Concentration (1998)
- ✓ Ph.D. in MIS (2003)

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FLORIDA
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NOVA SOUTHEASTERN
UNIVERSITY
Graduate School of Computer
and Information Sciences

Center for e-Learning Security Research (CeLSR)

<http://CeLSR.nova.edu/>



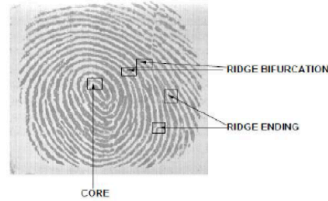
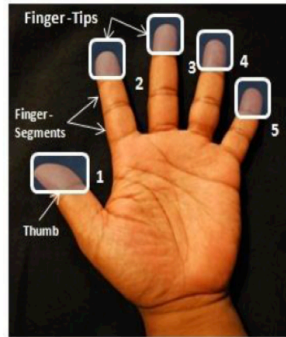
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Cyber-Security Skills Research



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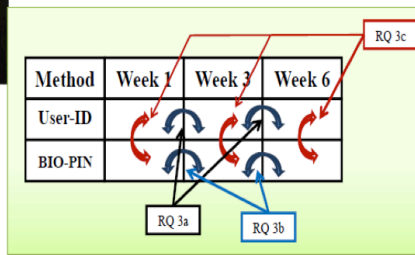
BIO-PIN™ Patent



Fingerprint with minutiae points (Ross et al. 2003)



Fingers with BIO-PIN Sequence
7/23/2012 and Fingerprint Reader



Authenticator Comparison Matrix

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U.S. DEPARTMENT OF HOMELAND SECURITY
STOP | THINK | CONNECT™

StaySafeOnline.org
National Cyber Security Alliance

10TH ANNIVERSARY
National Cyber Security Awareness Month

What does
responsible online
behavior means
2U?

Where are some
places
U
connect to the
Internet regularly?

C3

C3 = Cyber-*security*
+ Cyber-*safety*
+ Cyber-*ethics*

1st C: Cyber-*security*

- Computer/Tablet/SmartPhone's Internet connection = gate that swings both ways: *in-and-out*:
 - Files
 - Software
 - Pictures
 - Information
- Dangers to the '*in-and-out*'
- Need to take precautions to prevent damage

2nd C: Cyber-*safety*

- Not just about protecting information and reputations
- Protecting yourself and others physically as well
- People can abuse, bully, harass, and stalk
- Many use mix of online and in-person techniques!!!
- Stalking Resource Center: www.ncvc.org/src, Wired Safety's www.stopcyberbullying.org, or the FTC's www.OnGuardOnline.org

3rd C: Cyber-ethics

- *No flaming* - If you wouldn't say it to someone's face, don't say it online! Or seek help!
- *Respect others' intellectual property* – don't plagiarize or download unauthorized music, videos, software, and other copyrighted material
- Properly cite information found online (and find good information) –
www.nova.edu/library/dils/lessons/apa/

WWW Decision Tool

W – *Who* is asking for this personal information?

W – *What* information is being requested?

W – *Why* do they need this personal information?

Session 1 Questions?