WHO I AM

- Cyber Security Professional for 9+ years
- Malwares / Operating Systems Internals Specialist
- Lecturer in Computer Security
- Law Student
AGENDA CERTIFICATIONS
THE WORLD AFTER STUXNET

Source: https://apt.securelist.com
Not enough Cybersecurity Professionals

Cisco 2014 Annual Security Report, more than 1 million positions for security professionals remain unfilled around the world.

ISACA and RSA conference 2016 State of Cybersecurity:

2 million Global shortage of cybersecurity professionals by 2019
GENERAL SECURITY SKILLS SHORTAGE

Applicants are not qualified

Source: ISACA State of Security implications for 2015
NEW CYBER SECURITY JOBS

Old

✓ Security Administrator
✓ Security Manager
✓ Security Engineer
✓ Penetration Tester
✓ Security Auditor

New

➢ Security Operation Center Analysts?
➢ Security Architect?
➢ Threat Intelligence Analyst?
LET’S SUM UP

- Information System have become a Battlefield
- Don’t have enough Cybersecurity Professional.
- Cybersecurity professionals don’t have the right skills
- Few or no Cybersecurity courses in the Academia

 ✓ Need a new curriculum
 ✓ For Academia and the Industry
 ✓ Validate the real technical level
CYBER SECURITY NEXUS PATHWAY

- Certified Information Security Manager®
- CSX Expert
- CSX Specialist Identify
- CSX Specialist Detect
- CSX Specialist Protect
- CSX Specialist Respond
- CSX Specialist Recover
- CSX Practitioner
- Cybersecurity Fundamentals Certificate
✓ Use vulnerability assessment processes and scanning tool ......

✓ Implement specified cybersecurity controls – for network, application, endpoint, server......

✓ Identify anomalous activity and potential internal ......

✓ Perform initial attack analysis to determine the attack vectors, targets and scope and potential impact.

✓ Execute defined response plans to contain damage on affected assets.

✓ .............
CSX CERTIFICATIONS ARE...

- New Curriculum adapted to well recognized Cyber Security Best Practices and Frameworks (NIST)
- Performance Based Exams to test real world performance
For more information, visit us at https://cybersecurity.isaca.org