CYBER SECURITY

LEADERSHIP AND INNOVATION PROGRAM

LEADING BEYOND TOMORROW'S CYBER RISKS

NOVEMBER
14-16, 2018

United States International University-Africa

School of Graduate Studies, Research & Extension

www.usiu.ac.ke/csli

OVERVIEW

In 21st Century, Cyber-attacks and Cyber threat landscape are getting more sophisticated, vicious and unforgiving in every organization and economy, regardless of size or geographic location. The more businesses become technology dependent, the more they are exposed to cyber threats.

Cyber criminals are taking advantage today of the heavy reliance on technology to wreak havoc-breach to privacy, bring down systems, manipulate data and systems or initiate illegal funds transfers. Furthermore, cyber criminals are now more organized and have commercialized cyber crime (Cyber crime-as-a-service).

Cyber Security has become highly complex and executives are facing challenges: getting the risk-assessment right; developing cyber security strategy; evaluate system vulnerabilities and impact; how to hire good security experts and how to act during an incident.

The question is: WHY? What is the root cause of all these threats? Cyber Security Leadership and Innovation program is designed to address this by providing decision makers with a set of candid-practical tools, battle-tested methodology and hands-on insight on how to deal with cyber security and manage the problem effectively and responsibly.

This program gives participants an opportunity to:

- Engage with academic, industry leaders and security professionals in assessing the most critical cyber threats facing financial institutions in East Africa.
- Learn best practices and get exposed to strategies and most effective approaches to implement cyber security strategies at their organizations.
- Be informed on how to develop a Cyber Security Policy for their organization.
- Earn Cyber Security Leadership and Innovation Certification from United States International University – Africa.

WHO SHOULD ATTEND?

The programs key audience include:

- Chief Information Officers, Chief Information Security Officers, Chief Finance Officers, Chief Technology Officers, Chief Innovation Officers, Chief Operation Officer.
- Senior Risk Managers, Senior Audit Managers, Senior Compliance Managers, Senior Legal Manager, Senior Strategy Managers.
- Business Development Managers, Business Analyst Managers and other Heads of Departments.

TAKE AWAY

The program has been developed by industry experts, security professionals and academic experts in cyber security. We believe it to be the highest level course of its kind available in the region.

- Gain the necessary know-how to develop a world-class corporate security strategy for your organization.
- Develop the expertise to secure and protect your company's IT assets in all formats through an integrated approach to cyber security.
- Understand the need for an effective cyber security risk management framework – Information Security Management Systems [ISMS] – ISO 27001.
- Support cyber security planning, development of cyber security policy and implementation of cyber security strategy.
- Appraise the interrelationships among elements that comprise a modern cyber security system, including hardware, software, policies and people.
- Assess cyber threat landscape and trends, including nature of threats, general status of common vulnerabilities and the likely consequences of security failure.
- Justify the need for business continuity planning and propose how to implement such a plan successfully within a modern enterprise.
- Assess the role of good metrics and key performance indicators (KPIs) in security assessment and governance.
- Evaluate the principles of risk and critique cyber risk management approaches including cyber risk insurance.
- Understand the importance of staff awareness training to create a proactive security culture within your organization.
- Understand the legal, regulatory and management responsibilities for protecting the business.

> "CYBER ATTACKS ARE THE NUMBER ONE PROBLEM OF MANKIND"
>
> Warren Buffet 2017

PROGRAM STRUCTURE

The program consist of:

- 3-Day Immersive Material Delivery.
- 6-Month hands-on Coaching/Mentorship.
- Cyber Security Workshop – Every 2 months during the year

FACILITATORS AND DELIVERY TEAM

USIU-Africa faculty, experienced cyber security professionals and practitioners with extensive wealth of knowledge on cyber security leadership and innovation.

STEVE MAMBO

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DR. KAMENYI D. MUTIRIA

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Dr. JOSEPH NGUGI

Associate Professor of Entrepreneurship and Small Business Management

United States International University - Africa

DR. STANLEY GITHINJI

Information Security and Forensics, PHD

United States International University - Africa

VENUE

The program training is hosted by the United States International University-Africa, incubation and Innovation Centre.

PROGRAM FEES

The professional certificate program (3-Day face to face immersive training, 6-month hands-on coaching/mentorship and professional cyber security development workshop every two months) fee is: **KES. 95,000.**

HOW TO REGISTER

There are two stages to the application process:

- **Stage 1:** Complete the application form.
- **Stage 2:** Our lead education consultant will be in touch to verify your details and have a quick chat about your expectation to ensure you can make the most of the program.

CONTACT

Call +254 721 596 529/ +254 721 643 690
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PROGRAM SUMMARY

DAY 1 Theme - Cyber Security in a Corporate Perspective	DAY 2 Theme - Designing the roadmap to success	DAY 3 Theme - Reaping Success from Corporate Security
08:30 - 10:30	**08:30 - 10:30**	**08:30 - 10:30**
Introduction to cyber security • Threats and vulnerabilities & actors • Cyber Crime Cost • The state of security today and future trends	Guidance for Board Members and the C-Suite • Establishing the proper cyber security governance model and oversight • Board & Management responsibilities • Key questions that need to be asked and answered • Dealing with cyber security breaches • Cyber Security budgeting • Cyber Insurance – Risk Transfer mechanism Business Continuity Planning & Disaster Recovery Planning • Developing a BCP/DRP • Understanding the different types of contingency plan	Laws and Regulatory Requirements • Computer & Cyber Crime Laws in Kenya • CBK Cyber Risk Guideline note • GDPR (General Data Privacy Regulation) Security Metrics and Key Performance Indicators (KPIs) • The challenge of security metrics • What makes a good metric • Approaches to security metrics
10:30 -11:00 Tea break	**10:30 -11:00** Tea break	**10:30 -11:00** Tea break
11:00 -13:00 Cyber security Management Concepts • Security governance • Management models, roles, and functions Security Standards and Controls - ISMS/ISO 27001	**11:00 -13:00** Security Plans and Policies • Planning misalignment • The System Security Plan (SSP) • Policy development and implementation Strategy and Strategic Planning • Strategic planning and security strategy	**11:00 -13:00** Incident Response & Digital Forensic • Preparing for a cyber security incident • Effectively respond to cyber incident • Building a Computer Emergency Response Team(CERT)
13:00 - 14:00 Lunch Break	**13:00 - 14:00** Lunch Break	**13:00 - 14:00** Lunch Break
14:00 - 16:00 Cyber Security Risk Management Process • The need for a risk management process • Reviewing cyber security frameworks and related management tools • Recommendations and description of the use of a risk management process	**14:00 - 16:00** Defending against Cyber Threats Hands on session on defense tools and understanding dashboards/reports generated from the tools	**14:00 - 16:00** Engagement Session • Panel Discussion with course directors and facilitators.
16:00 - 17:00 Tea Break & Networking Sessions	**16:00 - 17:00** Tea Break & Networking Sessions	**16:00 - 17:00** Tea Break & Networking Sessions