



Cybersecurity Workshop

6-7 November 2018

Sequoia Hotel

Quezon City, Philippines

**About us:**

ASEAN Chief Information Officer Association (ACIOA) is a non-profit organization that provides a platform for integration of information technology between CIOs, industry leaders and public-sector representatives. ACIOA offers a diverse array of activities, programs and resources to support ASEAN ICT leaders with opportunities for information sharing and education at the executive level.

Objective:

In this course, Participants will gain a global perspective of the challenges of designing a secure system, touching on all the cyber roles needed to provide a cohesive security solution. Participants also will learn about current threat trends across the Internet and their impact on organizational security. Participants will review standard Cybersecurity terminology and compliance requirements, examine sample exploits, and gain hands-on experience mitigating controls. What you will learn:

1. Increase your awareness of security
2. Review networking as it applies to security controls
3. Explore different data protection principles
4. Explain incident response capabilities
5. Identify legal considerations and investigative techniques when it comes to Cybersecurity
6. Research trends in Cybersecurity

Outline:

1. Cybersecurity Awareness
2. Security Architecture
3. Data Security
4. Incident Response
5. Legal Considerations
6. Trends in Cybersecurity



Topic of R&D and Cybersecurity Workshop:

Topic: Research and Development in Cyber Defense at National Level

Speaker: BGen. Jesus Lomeda, Jr.
Former Head of Defense Information Management, DND

Nowadays, cyber attacks have evolved from basic computer virus distribution to sophisticated malware based on command & control. Moreover, artificial intelligence have been deployed to discover potential targets and conduct exploitation automatically. The fact that current cyber attacks have been customized for specific targets even emphasize the need to be adaptable in defending such attacks. At national level, it is clear that research and development is required. This topic discusses the needs for performing research and development in cyber defense and suggest some guidelines in starting development of cyber defense research.

Topic: Cyber Intelligence and Its Applications

Speaker: P/CSupt Gil M. Pacia (Ret)
Director for ICT and Data Privacy Officer,
National Intelligence Coordinating Agency

Cyber Intelligence is an area where data can be collected and extracted into meaningful in-depth information called intelligence through cyberspace. The techniques behind cyber intelligence are mainly based on big data analytics and artificial intelligence. Its applications vary from brand monitoring whereby sentiments can be analyzed as part of an organization's marketing activities to national security. This topic discusses mainly the application of cyber intelligence to cyber defense where it can be used to monitor an organization's online assets, social media sites, information leakage over darkweb, malicious activities, or even as part of cyber investigation. A demonstration of cyber intelligence system is conducted within this session.



Topic: Cybersecurity Management and Best Practices in Incident Response

Speakers: Engr. Allan S. Cabanlong
 Assistant Secretary for Cybersecurity, DICT

While several organizations aim to protect themselves against cyber attacks, a number of security mechanisms need to be applied. However, it is difficult to classify and quantify which security processes and technologies to be deployed and when to deploy them. This topic discusses a best practice in managing cybersecurity in an organization and it could also be applied at national level. Also, this topic emphasizes on best practices in incident response though a live demonstration of a number of cybersecurity use cases of real-world attacks and how to respond to such attacks. This could be used as a guideline for an organization to start developing its own cybersecurity program.

Topic: Data Security Workshop

Speaker: Dr. Chalee Vorakulpipat,
 Head of Cybersecurity,
 National Electronics and Computer Technology Center (NECTEC)

Dr. Komain Pibulyarajana, Vice President; ACIOA, CEO T-NET Co.,Ltd

Sensitive data can live anywhere in an organization. Data protection regulations and standards place increasing demands on information technology organization to ensure safe and secure data management. Data Protection is considered as a key component that enables increased visibility and controls to prevent data loss caused by risky employee behaviors and insider threats. This topic discusses a number of data protection approach and related compliances that are widely accepted internationally. Moreover, a live demonstration will be conducted to show how to protect sensitive information inside an organization.



Day 1		
Time	Topics	Contributors
08:00-09:00	Registrations	
09:00-09:10	Welcome Remarks	BGen. Nicolas D. Ojeda, Jr. Philippine Councilor, ACIOA
09:10-09:25	Opening Remarks	Secretary Eliseo M. Rio, Jr. Department of Information and Communication Technology
09:25-09:40	Keynote Speech	Dr Hammam Riza, ASEAN Engineer Vice President, ACIOA, Deputy Chairman BPPT, Indonesia
9:40-10:00	Photo Op Coffee break	
10:00-11:15	Awareness & Cybersecurity Maturity model	BGen Nicolas D. Ojeda Jr. (Ret) Philippine Councilor, ACIOA
11:15-12:30	Cybersecurity Management and Best Practices in Incident Response	Engr. Allan S. Cabanlong Assistant Secretary for Cybersecurity, DICT
12:30-13:45hrs	Lunch	
13:45-14:45hrs	Research and Development in Cyber Defense at National Level	BGen. Jesus Lomeda, Jr. (Ret) Former Head of Defense Information Management, DND
14:45-15:00hrs	Coffee break	
15:00-16:00hrs	Cyber Intelligence and Its Applications	Director Gil M. Pacia, Director for ICT and Data Privacy Officer, NICA

Day 2		
Time	Topics	Contributors
0800	Registrations	
09:00hrs - 10:15hrs	Lecture & Showcase	Dr. Komain Pibulyarajana Vice President; ACIOA CEO T-NET Co.,Ltd
10:15hrs - 10:30hrs	Coffee break	
10:30hrs - 11:45hrs	Data Security	Dr. Chalee Vorakulpipat, Head of Cybersecurity, National Electronics and Computer Technology Center (NECTEC)
11:45hrs - 13:00hrs	Lunch	
13:00hrs - 14:15hrs	Legal Considerations	Dr. Chalee Vorakulpipat, Head of Cybersecurity, National Electronics and Computer Technology Center (NECTEC)
14:15hrs - 14:30hrs	Coffee break	
14:30hrs - 16:00hrs	CyberSecurity Workshop	Dr. Komain Pibulyarajana and Dr. Chalee Vorakulpipat - Establishing the cybersecurity innovation ecosystem vision for the Philippines -Reflection on vision and country action path