5th COMSATS-ISESCO-INIT
International Workshop on "Internet Security: Enhancing Information Exchange Safeguards"
organized in collaboration with SESRIC

September 14-18, 2015
Ankara, Turkey

Program

Day 1 – September 14, 2015 (Monday)	
TIME	**INAUGURAL CEREMONY** (Venue: Hotel Monec, Esat Özoğuz Sokak, No: 5, Oran, Ankara)
08:30 - 09:00	Arrival of Guests and Registration
09:00 - 09:15	Welcome Address by H.E. Amb. Musa Kulaklıkaya, Director General of SESRIC
09:15 - 09:30	Message of President INIT (to be read out by Mr. M. Atiq-ur-Rehman, Senior Program Officer INIT)
09:30 - 09:45	Message of Director General ISESCO (to be read out by Dr. Aicha Bammoun, Science Directorate, ISESCO)
09:45 - 10:00	Message of Executive Director COMSATS (to be read out by Mr. Tajammul Hussain, Advisor (Programmes) COMSATS)
10:00 - 10:20	Inaugural Address by Prof. A. Arif Ergin, President of TUBITAK
10:20 - 11:00	Group Photo and Reception

Day 1 – September 14, 2015 (Monday)	
ORGANIZATIONAL SECURITY (All technical sessions to take place at SESRIC HQ, Kudus Caddesi, No: 9, Oran, Ankara)	
TIME	**TECHNICAL SESSIONS**
11:00 - 12:30	Session 1: (Instructor: Dr. Haider Abbas) • Critical Infrastructure Security: A Challenge for every Nation • Weaponization of the Web • Certifying your Organization: International Standards and Best Practices for Information Security
12:30- 13:30	Lunch Break

TIME	TECHNICAL SESSIONS
13:30 - 15:00	**Session 2: (Instructor: Dr. Haider Abbas)** • Risk Assessment – Methodology, Identification, Assessment and Treatment
15:00 - 15:30	Tea Break
15:30 - 17:00	**Session 3: (Instructor: Dr. Haider Abbas)** Practical exercises on: • Information Security Policy/Procedures Writing • Information Assets Identifications & Valuation • Risk Assessment & Treatment

Day 2 – September 15, 2015 (Tuesday)

CRYPTOGRAPHY AND ETHICAL HACKING

TIME	TECHNICAL SESSIONS
09:00 - 10:30	**Session 1: (Instructor: Dr. Haider Abbas)** Practical exercises on: • Risk Assessment & Treatment • Statement of Applicability • Auditing
10:30 - 11:00	Tea Break
11:00 - 12:30	**Session 2: (Instructor: Dr. Malik Najmus Saqib)** • Symmetric Key vs. Asymmetric Key Cryptography • An introduction to secure email
12:30- 13:30	Lunch Break
13:30 - 15:00	**Session 3: (Instructor: Dr. Malik Najmus Saqib)** Practical exercises on: • Introduction to Ethical Hacking • Metasploit framework
15:00 - 15:30	Tea Break

15:30 – 17:00	**Session 4: (Instructor: Dr. Malik Najmus Saqib)** Practical exercises on: • Meterpreter basic • Post exploitation and back door

Day 3 – September 16, 2015 (Wednesday)

ETHICAL HACKING

TIME	TECHNICAL SESSIONS
09:00 – 09:45	**Session 1 (a): (Instructor: Mr. Uğur Altun)** • Pentest: An Overview (Summary: the basics of penetration testing and why it is important will be explained. Also the steps of a pentest will be clarified. Finally, the key points of a pentest for both the pentester and the customer will be discussed with real life experiences)
09:45 – 10:30	**Session 1 (b): (Instructor: Mr. Asad Raza)** • Enumerating Windows Users • Enumerating Open Ports • Enumerating Running Services
10:30 – 11:00	**Tea Break**
11:00 – 12:30	**Session 2: (Instructor: Mr. Asad Raza)** • Hacking Windows Operating Systems • Using Encoders to bypass Antivirus and Firewalls
12:30 – 13:30	**Lunch Break**
13:30 – 15:00	**Session 3: (Instructor: Mr. Asad Raza)** • Cracking WEP • Cracking WPA • Cracking WPA2
15:00 – 15:30	**Tea Break**
15:30 – 17:00	**Session 4: (Instructor: Mr. Asad Raza)** • Capturing Insecure Passwords (http) • Capturing Secure Passwords (https): Gmail, Hotmail, Facebook • Cracking Windows Systems Passwords

Day 4 – September 17, 2015 (Thursday)	
SECURITY INFORMATION AND EVENT MANAGEMENT SYSTEMS	
TIME	**TECHNICAL SESSIONS**
09:00 – 10:30	**Session 1: (Instructor: Mr. Asad Raza)** • Installation and Configuration Procedure • OSSIM Dashboard
10:30 – 11:00	**Tea Break**
11:00 – 11:45	**Session 2 (a): (Instructor: Mr. Asad Raza)** • Installation and Configuration Procedure • OSSIM Dashboard
11:45 – 12:30	**Session 2 (b): (by Mr. Yakup Korkmaz)** • Advanced Persistent Threats (APT): An Overview (Summary: Over the last couple of years, cyber threat landscape has changed dramatically and shifted from financially motivated attacks to targeted attacks, especially Advanced Persistent Threats. In this talk, key characteristics of Advanced Persistent Threats will be presented using real-world examples. Brief information about the techniques and tools for detection and analysis of such threats will also be provided)
12:30– 13:30	**Lunch Break**
13:30 – 15:00	**Session 3: (Instructor: Mr. Asad Raza)** • Integration with Snare • Integration with Nessus
15:00– 15:30	**Tea Break**
15:30 – 17:00	**Session 4: (Instructor: Mr. Asad Raza)** • Discussion on Prevention Methods • Discussion on Research and Development

Day 5 – September 18, 2015 (Friday)	
CYBER SECURITY AND INFORMATION SECURITY DESIGN PRINCIPLES	
TIME	**TECHNICAL SESSIONS**
09:00 – 10:30	Session 1: (Instructor: Mr. Zafar Mir) • Introduction to Information Security Design Principles
10:30 – 11:00	Tea Break
11:00 – 12:30	Session 2: (Instructor: Mr. Zafar Mir) • Emerging Cyber Threats and their Significance • Dissecting a Cyber Attack
12:30 – 14:30	Friday Prayer & Lunch Break
14:30 – 16:00	Session 3: (Instructor: Mr. Zafar Mir) • Various Phases in Planning a Cyber Attack • Recent Distributed Denial of Service Attacks • Possible Mitigation Solutions to Service Attacks
16:00– 16:30	Tea Break
Day 5 – September 18, 2015 (Friday)	
TIME	**CLOSING CEREMONY**
16:30 – 16:45	Concluding Remarks
16:45 – 17:00	Vote of Thanks
17:00 – 17:15	Certificate Distribution