

FOR FURTHER INFORMATION

Dr. Faiq Billal

Director (Science)
Islamic Educational, Scientific and Cultural
Organization (ISESCO),
Avenue des F.A.R., P.O.Box 2275, PC Code 10104,
Hay Ryad-Rabat, Kingdom of Morocco.
Tel: (+212-5) 37566052-53
Fax: (+212-5) 37566012-13
E-mail: fbillal@isesco.org.ma
URL: www.isesco.org.ma

Mr. Tajammul Hussain

Director General (International Affairs)
COMSATS Headquarters
Shahrah-e-Jamhuriat, G-5/2
Islamabad - Pakistan
Tel: +92-51-9204892
Fax: +92-51-9216539
Email: husseint@comsats.net.pk

Engr. Tahir Naeem

Coordinator/Executive Director
Inter Islamic Network on Information
Technology (INIT)
NISTE Building, Sector H-8/1, Islamabad
Ph: +92-51-925 0693 - 94
Fax: +92-51-444 2805
Email: tnaem@comsats.edu.pk

Dr. Bassel Al-Khatib

Director
Syrian-COMSATS-COMSTECH IT Centre
(SCCITC)
Damascus, Syria
Tel: 00963-11-3335704
Mobile: 00963-944266446
Fax: 00962-11-33176940
Email: basselk@scs-net.org

Dr. Ghassan SABA

Head of OS and Networking Laboratory
Higher Institute for Applied Sciences and
Technologies (HIASST)
Damascus, Syria
E-mail: Ghassan.saba@hiast.edu.sy
Mobile: 00963-933576543
Tel.: 00963-11-5124639/2573
Fax.: 00963-11-5139122

Information Technology (CIIT), Islamabad
Campus. He is the author of 15 research articles
and the director of green computing and
communication laboratory (<http://gcclab.org>).
His main research is focused on scheduling
theory, green computing and fault tolerant real-
time systems. He is member editorial board of
reputed international Journals and conferences.
He represented Pakistan in training for OIC
Countries at Malaysia, 2010. He is the winner of
most prestigious CIIT Golden Medallion for
Innovation (CIMI) 2009 Award. Dr. Nasro Min-
Allah can be reached through Email:
nasar@comsats.edu.pk

Haider Abbas has been working as an Assistant
Professor at the Information Security
Department, MCS, at National University of
Sciences and Technology (NUST), Pakistan. Dr.
Abbas received his MS and PhD degrees from
KTH- Royal Institute of Technology, Stockholm,
Sweden. His research focuses various aspects
on how information and communication security
can be understood and thus managed in
business/governmental organizations. Dr.
Abbas has authored several international
publications and participating in various ICT
related projects in EU and Pakistan. Email:
haider@mcs.edu.pk

Malik Najmus Saqib completed his Master
degree in Software Engineering from
COMSATS Institute of Information Technology,
Pakistan in 2003. He joined the same institute as
a faculty member and involved in academic
activities. In 2009, he obtained PhD degree from
Institute of Computer Technology, Vienna
University of Technology, Austria. His PhD
research focuses on security issues in
mobile/multi agent system. He also worked as a
guest researcher in University of California,
Davis, where he worked on the secure migration
process of mobile agents. Currently, he is
working as an Assistant Professor in
Department of Computer Science, COMSATS
Institute of Information Technology, Islamabad.
Email: mnajmus_saqib@comsats.edu.pk

Muhammad Mustafa Khattak did his M.Sc.
(Computer Science) from Quad-i-Azam
University, Islamabad in 1989. He joined PAEC
(Pakistan Atomic Energy Commission) and
completed one year specialized post graduate
training in systems Software & Hardware. He
served PAEC about 10 years as Senior Scientific
Officer at its Computer Training Centre (CTC).
His major involvement was in teaching,
supervision and R&D work. Later he joined BIIT
(Barani Institute of Information Technology),
UAAR, Rawalpindi for six years as Assistant
Professor/Head Student Affairs. Currently he is
associated with CIIT, Islamabad for the last five
years during which he also completed his MS
(Computer Science). His major responsibilities
at CIIT include teaching (at graduate and
undergraduate level) and undergraduate FYP
(final year project) supervision. His areas of
interest include Operating Systems, Embedded
Systems, Systems Software, Parallel and
Distributed Systems, Network Programming
and Network Security. Email:
muhammad_mustafa@comsats.edu.pk

Sheikh Ziauddin is working as an Assistant
Professor in Departments of Computer Science
at COMSATS Institute of Information
Technology (CIIT), Islamabad, Pakistan. He
received his BS and MS degrees from
Bahauddin Zakariya University, Multan and
Bahria University, Islamabad, respectively.
He did his PhD from Asian Institute of
Technology, Bangkok. His research
interests include cryptography, computer
security and biometrics. He has authored
several research papers in his research
areas. Email: zia_ud_din@comsats.edu.pk

Workshop on

Internet Security: Enhancing Information Exchange Safeguards

July 23-27, 2011
Damascus, Syria



Organizers



ISESCO



COMSATS
/CIIT



INIT



MoHE



HIASST



SCS

BACKGROUND

The proliferation of commercial activities over different networked systems has increased security concerns on an unprecedented scale. From traditional Internet-based applications to newly emerging ubiquitous services over 3G, Wireless LAN, mobile ad hoc/Mesh Network (MANET) and sensor networks; there is an increasing demand of measures to guarantee the confidentiality, integrity, and availability of system services.

Information/Internet security consists of the provisions and policies adopted to prevent and monitor unauthorized access, misuse, modification or denial of information and information systems. Security is becoming increasingly important in today's networked world and is impacting every aspect of society including finance, healthcare, government, education, arts and entertainment.

INTRODUCTION

The workshop is being jointly organized by COMSATS Secretariat in collaboration with Islamic Educational, Scientific and Cultural Organization (ISESCO), Syrian-COMSATS-COMSTECH IT Centre (SCCITC), Ministry of Higher Education (MOHE) of Syrian Arab Republic, Higher Institute for Applied Sciences and Technology (HIASST), Inter-Islamic Network on Information Technology (INIT) and COMSATS Institute of Information Technology (CIIT). This is a five days workshop composed of five modules and each module is covered in one day. Each day is sub-divided in four sessions.

The workshop covers major aspects of information security ranging from theoretical understanding of cryptographic algorithms to practical subtleties of networked systems. The intensive course is aimed at professionals

working in any field involving cryptography or network security. The course will be delivered by renowned experts in the area of information security containing lectures, tutorials and practical exercises.

AIMS AND OBJECTIVES

The objective of this workshop is to teach the basic principles of information/network security from the perspective of providing security awareness and its best practices for the real world applications. It is also aimed at increasing the state-of-the-art technologies for protection of network and network-accessible resources from different types of attacks. Furthermore, a handful of network security tools will be demonstrated to provide opportunities to the participants to update their knowledge and allow them to interact for further collaborative works.

A training manual will be prepared by experts and is to be provided to all participant to facilitate and impart training effectively.

KEY AREAS

Following are the key areas of the workshop

- Network Security
- Organizational Security
- Cryptographic Techniques for Network Security
- Biometric Security
- Web Security

LEARNING OUTCOMES

The focus of this workshop is on both theoretical and practical aspects of information security. By the end of the workshop, the participants will be able to:

- Understand network protocols, models, topologies and related security threats

- Use packet sniffing tools including Wireshark and Tcpcdump
- Understand major modern-day cryptographic algorithms and protocols
- Use full disk encryption (FDE) tools including TrueCrypt and Microsoft's BitLocker
- To familiarize about the anti-virus, anti-spyware tools and firewalls
- Understand how major web security applications work
- Setup different web security applications e.g. Kerberos, IPsec and PGP
- Understand the working of contemporary biometric systems
- Understand organizational security and implement appropriate policies and procedures for a given organization
- Understand different aspects of cyber security

WHO SHOULD ATTEND THE WORKSHOP?

The contents included in the workshop are designed in such a manner that it would be beneficial for the IT professional as well as for the Managers and Executives having knowledge of computer science.

ELIGIBILITY CRITERIA

Bachelor Degree with good knowledge of Computer Science/ Information Technology.

KEY SPEAKERS

Nasro Min-Allah received his Undergraduate and Master degrees in electronics and information technology in 1998 and 2001 respectively. He obtained a PhD in real-time systems from the graduate university of the Chinese Academy of Sciences, P.R China in 2008. Currently, he is heading the Department of Computer Science, COMSATS Institute of

REGISTRATION FORM

Workshop on

Internet Security: Enhancing Information Exchange Safeguards

*July 23-27, 2011
Damascus, Syria*

Name _____

Designation _____

Institution/Organization _____

Highest Qualification _____

Present Field of Activity _____

Postal Address _____

City _____ Country _____

Tel. _____ Fax _____

Email _____

I wish to participate in the above mentioned workshop and would like to register for the same.

Signature _____

Date _____

Last date for registration as a participant is June 30, 2011. You can also register online at COMSATS' website: www.comsats.org.