



Two Days Workshop **CRYPTOGRAPHY & NETWORK SECURITY**

The workshop presents concise but comprehensive overview of principles & practices of network security, cryptographic primitives & enabling technologies. It is meant for enterprise executives, managers, engineers, trainers, professionals & practitioners concerned with computer network security. It will equip them with essentials to make correct decisions for effective design & implementation of information security systems.

Two Full Days From 10am to 6pm

About Us...

CASE-PDC

Professional Development Centre at CASE advances the purpose of professionalism by deepening the participant's ability to improve performance and effectiveness. We deliver management and technology skills to increase productivity. Our programs promote creativity and provide tools for managers to produce durable and demonstrable impact. In short, we'll show you results.

Trainer

Dr M Shamim Baig is PhD in Computer Science from George Washington University, USA, MS in Industrial Electronic from CIT UK, BE in Avionics Engg CAE PAF. He is Qualified Lead Auditor for Information Security Management System by British Standards Institute UK. He has more than 30 years of Academic, Research & Engg Mgmt experience in the field of Supercomputing, VLSI design, Comm systems & Information Security. He established Centre of Excellence in Cyber Security at NUST and was its DG/Dean for 05 years. He was ACAS (Electronics) in PAF & Principle Scientific Officer at A.Q. Khan Research Labs. As project director he established HEC funded (Rs 25M) ESDA centre. He has published 27 refereed International Journal/Conference papers & been Chair IEEE Educational Activities. He has been Keynote/ invited speaker at multiple national level Seminars in the field of Information Security.

He is currently Dir Adv Studies & Research & conducts MS/ PhD level courses for Information security specialty at CASE.

Contents of the Program

Security trends & OSI security architecture
Security attacks/ services & mechanisms
A Model for Network Security
Symmetric Key Cryptography : DES, AES
Block cipher transmission modes
Stream cipher: RNG, LFSR
Steganography & Watermarking
Public key Cryptography: RSA, ECC
Cryptographic Hash functions: SHA, Whirlpool
Authentication & Digital Signature
Key management & PKI
Electronic Mail security : PGP
IP-Security : IPsec
Web security : SSL
E-commerce security : SET
Firewalls & Intrusion Detection system
Wireless Security
Enterprise Security Architecture

Investment

Rs. 18,000 Per Person. Special discount available.
Includes training material, lunch, refreshments.

Download

Course Outline & Registration Form
www.case.edu.pk/AboutPDC.aspx

CASE Professional Development Center

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16 Contact Hours

