

15th IBCAST 2018: Cyber Security & Assurance Technologies Track (Tentative Technical Program)

Overview

	9:30-11:00		11:30-13:00		14:00-16:30																																		
Day-1 Jan 09, 2018 Tuesday Hall -A	Registration Desk Activity & Inaugural Session Main Hall			LUNCH	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center;">Invited Talk</th> <th colspan="4" style="text-align: center;">Papers</th> </tr> <tr> <td colspan="2" style="text-align: center;">Prof. Dr. Mohd Aizaini Bin Maarof Cyber Threats: Analytics & Visualization (Universiti Teknologi, Malaysia)</td> <td style="text-align: center;">ID: 403</td> <td style="text-align: center;">ID: 631</td> <td style="text-align: center;">ID: 346</td> <td style="text-align: center;">ID: 591</td> </tr> </table>	Invited Talk		Papers				Prof. Dr. Mohd Aizaini Bin Maarof Cyber Threats: Analytics & Visualization (Universiti Teknologi, Malaysia)		ID: 403	ID: 631	ID: 346	ID: 591																						
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TECHNICAL PROGRAM (IBCAST-2018)

Day 1: January 09, 2018 (Hall-A)		
09:30-13:00	Registration Desk Activity & Inaugural Session Main Hall	
13:00-14:00	LUNCH	
Session – 1 (Session Chair: Dr. Naveed Ahmed)		
14:00-14:10	Welcome Address by Track Chair	Dr. Mureed Hussain CESAT, Islamabad
14:15-14:45	Cyber Threats: Analytics & Visualization	Prof. Dr. Mohd Aizaini Bin Maarof Universiti Teknologi, Malaysia
14:50-15:05	CS&AT-403: Physical-Layer Data Encryption using Chaotic Constellation Rotation in OFDM-PON	Ms. Amber Sultan Shanghai Jiao Tong Univ. China
15:10-15:25	CS&AT-631: Design space exploration of MISTY1 block cipher for high speed implementation	Dr. Aamir Akhtar Siddiqui CESAT, Islamabad
15:30-15:45	CS&AT-346: Feedback with Carry Shift Registers and (in-depth) Security of Ciphers Based on this Primitive	Dr. Arshad Ali CESAT, Islamabad
15:50-16:05	CS&AT-591: Detecting False Data Injection Attack on Cyber-Physical System based on Delta Operator	Mr. Jianlei Gao Beijing Institute of Technology, China

Day 2: January 10, 2018 (Hall-A)		
Session – 2 (Session Chair: Dr. Hanif Durad)		
09:30-10:00	People Certification: The Need for Cyber Security Experts	Dr. Zahri Bin Yunos CyberSecurity, Malaysia
10:05-10:20	CS&AT-480: Graph Centrality Based Spam Detection	Ms. Asra Ishtiaq CUST, Islamabad
10:25-10:40	CS&AT-586: .Net Library for SMS Spam Detection using Machine Learning A Cross Platform Solution	Mr. Syed Sarmad Ali Beihang University, China
10:45-11:00	CS&AT-641: Profiling of Secure Chat and Calling Apps from Encrypted Traffic	Mr. Asad Khan NUST, Islamabad
11:00-11:30	TEA	
Session – 3 (Session Chair: Prof. Dr. Khalid Hussain)		
11:30-12:00	A Cryptographic Strength Measurement Framework for Physical Layer Security Techniques	Prof. Dr. Muddassar Farooq nexGIN RC, Islamabad
12:00-12:15	CS&AT-168: Robust Entropy Harvester for Analogue Noise Sources in TRNG	Dr. Naveed Ahmed CESAT, Islamabad
12:20-12:35	CS&AT-170: Numerical modeling of virus outbreak in a computer network with limited anti-virus ability	Dr. Muhammad Rafiq UCP, Lahore
12:40-12:55	CS&AT-630: A Simple Security Policy Enforcement System for an Institution Using SDN Controller	Mr. Fazal Hadi PIEAS, Islamabad
13:00-14:00	LUNCH	
Session – 4 (Session Chair: Dr. Jawad Hussain)		
14:00-14:30	Importance of Information Security, Risk and Countermeasures	Prof. Dr. Khalid Hussain The University of Lahore
14:35-15:05	Secure Operating System to Mitigate Cyber Threats	Mr. Rao Nazar Iqbal CESAT, Islamabad
15:10-15:25	CS&AT-612: Design and Implementation of Real-time Visualization tool for Network Security Monitoring	Ms. Aneela Safdar FAST NUCES, Islamabad
15:30-15:45	CS&AT-638: DDoS Attacks Analysis in Bigdata (Hadoop) Environment	Mr. Shakeel Ahmad CASE, Islamabad
15:50-16:05	CS&AT-241: Text based Graphical Password System to Obscure Shoulder Surfing	Khazima irfan COMSATS
16:10-16:25	CS&AT-160: Secure distance based outlier detection over encrypted data in cloud	Bilal Hassan, NUA, China

Day 2: January 10, 2018 (Hall-B) – Parallel Session		
TECHNICAL WORKSHOP		
09:30-16:30 (With Tea & Lunch Breaks)	Incident Handling and Management: Tools, Techniques, Response and Procedures	Dr. Aswami Fadillah and Mr. Nur Mohammad Kamil

TECHNICAL PROGRAM (IBCAST-2018)

Day 3: January 11, 2018 (Hall-A)		
Session – 5 (Session Chair: Dr. Raees A. Siddiqui)		
9:30 - 10:00	Digital Chaos for Physical-Layer Security Enhancement in Optical Networks	Prof. Dr. Yang XueLin Shanghai Jiao Tong Univ. China
10:05-10:20	CS&AT-301: Passive design technique for tamper resistant Embedded system	Mr. Naveed Anjum CASE, Islamabad
10:25-10:40	CS&AT- 418: Repair of video frames received by eavesdropping from VGA cable transmission	Ms. Naila Rubab IST, Islamabad
10:45-11:00	CS&AT-364: Hardware Devices Security, their vulnerabilities and Solutions	Mr. Muzammal Shafique CESAT, Islamabad
11:00-11:30	TEA	
Session – 6 (Session Chair: Dr. Abid Khan)		
11:30-12:00	National Secure Cloud Computing Framework for the Pakistani Scientific Community	Dr. Syed Nasir Shah KICSIT, Kahuta
12:05-12:35	Experiences of Modern Honeypots and HoneyNet	Dr. Muhammad Yousaf Riphah University, Islamabad
12:40-12:55	CS&AT-622: Detection of Signaling System 7 Attack in Network Function Virtualization using Machine Learning	Ms. Tooba Qasim PIEAS, Islamabad
13:00-14:00	LUNCH	
Session – 7 (Session Chair: Dr. Naveed Riaz)		
14:00-14:45	Cyber Range – Building a National Cyber Defense Training Centre	Mr. Sivanathan Subramaniam Cyber Intelligence, Malaysia
14:50-16:30	TECHNICAL WORKSHOP Hunting Malware With Memory Analysis	Maliha Ismail and Syed Mishal Murtaza CESAT, Islamabad

Day 3: January 11, 2018 (Hall-B) – Parallel Session		
Session – 8 (Session Chair: Dr. Sadaf Tanvir)		
09:30-10:00	Goal Oriented Meshup Development	Dr. Sumaira Sultan Fatima Jinnah Women Univ. Rawalpindi
10:00-10:15	CS&AT-577: Review on Java Code Analyzers	Ms. Rimsha Khan Fatima Jinnah Women Univ. Rawalpindi
10:15-10:30	CS&AT-576: Probing into Code Analysis Tools	Ms. Rida Shaukat Fatima Jinnah Women Univ. Rawalpindi
10:30-11:00	Medical Data Mining	Dr. Saba Bashir FUUAST, Islamabad
11:00-11:30	TEA	
Session – 9 (Session Chair: Dr. Saba Bashir)		
11:30-12:00	Software Defined Networks	Dr. Sadaf Tanvir Iqra University, Islamabad
12:00-12:15	CS&AT-579: Comparative Study on Static Code Analysis Tools for C/C++	Ms. Anum Fatima Fatima Jinnah Women Univ. Rawalpindi
12:00-12:30	CS&AT-639: Evaluation and Study of Ethical Behavior in Software Industry of Pakistan	Mr. Asad Gul Khatak COMSATS, Islamabad
12:30-13:00	Testing of Specialized Software	Dr. Tahir Jamil CESAT