

## DAY-WISE TECHNICAL PLAN (CS&AT Track) – IBCAST-2019

		9:30 - 11:00 hrs			11:30- 13:00			14:00 - 16:30	
Day-1 Jan 08, 2019	Hall-1	Registration Desk Activity & Inaugural Session (Auditorium)				Lunch & Prayer Break	INVITED TALK FT: Dr. Ali Gorcin LT: Dr. Muddassar Farooq		PAPER ID: 553, 882, 884
	Hall-2	Registration Desk Activity & Inaugural Session (Auditorium)					INVITED TALK LT: Dr. Irfan Ul Haq		PAPER ID: 312, 785, 557, 845
	Comp. Lab	Registration Desk Activity & Inaugural Session (Auditorium)					WORKSHOP (Ms. Maliha Ismail) W1: File-less Malware		
Day-2 Jan 09, 2019	Hall-1	INVITED TALK FT: Dr. Zahri Bin Yunos	PAPER ID: 281, 854, 863	Tea Break	INVITED TALK FT: Mr. Emre Tinaztepe	PAPER ID: 881, 885	INVITED TALK FT: Dr. Celal Erbay LT: Mr. Asif Riaz		PAPER ID: 699, 790, 864
	Hall-2	WORKSHOP (Mr. Asif Riaz) W2: Cyber Threat Intelligence-I			WORKSHOP (Mr. Asif Riaz) W2: Cyber Threat Intelligence-II		WORKSHOP (Mr. Emre Tinaztepe & Mr. Sukru Durmaz) W3: Incident Response 101 - Evidence Collection to Initial Compromise Assessment		
	Comp. Lab	WORKSHOP (Mr. Rao Nazar Iqbal) W4: Secure Web Hosting in Linux-I			WORKSHOP (Mr. Rao Nazar Iqbal) W4: Secure Web Hosting in Linux-II		WORKSHOP (Ms. Nida & Ms. Muneeba) W5: Memory Forensic		
Day-3 Jan 10, 2019	Hall-1	INVITED TALK FT: Mr. Sukru Durmaz FT: Prof. Dr. BAI Lin		Tea Break	INVITED TALK FT: Prof. Dr. LIU Jianwei	PAPER ID: 494, 760, 613	INVITED TALK FT: Mr. Ts. Mohamed Fadzlee Sulaiman LT: Dr. Syed Nasir Shah LT: Dr. Rafi Us Shan		
	Hall-2	INVITED TALK LT: Dr. Usman Qamar	PAPER ID: 493, 715, 847		PANEL DISCUSSION ON CRYPTOGRAPHY (Session-I)		PANEL DISCUSSION ON CRYPTOGRAPHY (Session-II)		
	Comp. Lab	WORKSHOP (Mr. Sohaib Jamil) W6: Cracking the Parameters-I			WORKSHOP (Mr. Sohaib Jamil) W6: Cracking the Parameters-II				

## Technical Program of CS&AT Track (IBCAST-2019) – Day 1 (08 January, 2019)

<b>HALL-A</b>	9:30-13:00	REGISTRATION ACTIVITY	
	13:00-14:00	LUNCH BREAK	
		SESSION CHAIR: Prof. Dr. Khalid Hussain, University of Lahore	
	14:00-14:40	<b>Emanations Prevention from Communications Devices and Testing</b>	Foreign Invited Talk by <b>Dr. Ali Gorcin</b> , Vice President, TÜBİTAK, Turkey
	14:45-15:15	<b>CryptoView: Enabling Deep Cipher Inspection</b>	Local Invited Talk by <b>Prof. Dr. Muddassar Farooq</b> , Dean, Air University
	15:20-15:35	<b>CS&amp;AT-553 : Survey on Location Privacy Techniques Deployed in Vehicular Networks</b>	Saira Sattar, NUST
	15:36-15:50	<b>CS&amp;AT-882 : Development of SCADA Simulator using Omnet++</b>	Zaman Ahmad, PIEAS
	15:51-16:05	<b>CS&amp;AT-884 : Data Analytics Layer For high-interaction Honeypots</b>	Muhammad Hanif Durad, PIEAS

<b>HALL-B</b>	09:30-13:00	REGISTRATION ACTIVITY	
	13:00-14:00	LUNCH BREAK	
		SESSION CHAIR: Prof. Dr. Jawad Hussain, University of Lahore	
	14:00-14:30	<b>Blockchain for business process reengineering</b>	Local Invited Talk by <b>Associate Prof. Dr. Irfan Ul Haq</b> , PIEAS
	14:35-14:50	<b>CS&amp;AT-312: A Smart Methodology for Analyzing Secure E-Banking and E-Commerce Websites</b>	Rana Muhammad Amir Latif, COMSATS
	14:51-15:05	<b>CS&amp;AT-785: Graph Centrality Based Spam Detection</b>	Usman Ahmed, CUST
	15:06-15:20	<b>CS&amp;AT-557: Securing Fog Computing from Malicious Edge Device Attacks</b>	Javaria Khalid, University of Lahore
	15:21-15:35	<b>CS&amp;AT-845: Mining Mobile Security Concerns and their Solutions</b>	Nazia Bibi, NUST

<b>LAB</b>	09:30-13:00	REGISTRATION ACTIVITY	
	13:00-14:00	LUNCH BREAK	
	14:00-16:30	<b>Workshop on File-less Malware</b>	<b>Ms. Maliha Ismail</b> , CESAT, Pakistan

## Technical Program of CS&AT Track (IBCAST-2019) – Day 2 (09 January, 2019)

<b>HALL-A</b>		<b>SESSION CHAIR: Dr. Zahri Bin Yunos, CyberSecurity Malaysia</b>	
	09:30-10:10	<b>Cyber Threats Incident Response Model for CNII Organizations</b>	Foreign Invited Talk by <b>Dr. Zahri Bin Yunos</b> , COO, CyberSecurity Malaysia
	10:15-10:30	<b>CS&amp;AT-281: Authentication Mechanism to Secure Communication between SDN Planes</b>	Iqra Arashad, FJWU
	10:31-10:45	<b>CS&amp;AT-854: Survey of Authentication Schemes for Health Monitoring - A Subset of Cyber Physical System</b>	Zia ur Rehman, PMASAAU
	10:46-11:00	<b>CS&amp;AT-863: Public Perception Based Recommendation System for Cryptocurrency</b>	Shaista Bibi, COMSATS
	11:00-11:30	<b>TEA BREAK</b>	
		<b>SESSION CHAIR: Mr. Emre Tinaztepe, Binalyze LLC, USA / Estonia.</b>	
	11:31-12:10	<b>Designing Concepts of an Anti-Malware System</b>	Foreign Invited Talk by <b>Mr. Emre Tinaztepe</b> , Founder & MD, Binalyze LLC, USA / Estonia
	12:15-12:30	<b>CS&amp;AT-881: Implementation of Portable Executable File Analysis Framework (PEFAF)</b>	M Shahid Yousaf, PIEAS
	12:31-12:45	<b>CS&amp;AT-885: Static and Dynamic Malware Analysis Using Machine Learning</b>	Muhammad Ijaz, PIEAS
	13:01-14:00	<b>LUNCH</b>	
		<b>SESSION CHAIR: Dr. Celal Erbay, TÜBİTAK, Turkey.</b>	
	14:00-14:40	<b>Random Number Generators: Design and Development Considerations</b>	Foreign Invited Talk by <b>Dr. Celal Erbay</b> , Head IC Design & Education Lab, TÜBİTAK, Turkey
	14:45-15:15	<b>Virtualization Security</b>	Local Invited Talk by <b>Mr. Asif Riaz</b> , CEO Digital Arrays
	15:20-15:35	<b>CS&amp;AT-699: Improving heart Disease Prediction Using Feature Selection Approaches</b>	Dr. Saba, FUUAST
	15:36-15:50	<b>CS&amp;AT-790: Churn Prediction using Neural Network based Individual and Ensemble Models</b>	Mehpara Saghir, PMASAAU
15:51-16:05	<b>CS&amp;AT-864: A Fuzzy Set Theory Based Methodology for Feature Selection</b>	Bushra Zaheer Abbas, COMSATS	

<b>HALL-B</b>	09:30-13:00	<b>Workshop on Cyber Threat Intelligence</b>	<b>Mr. Asif Riaz</b> , CEO Digital Arrays
	13:00-14:00	<b>LUNCH BREAK</b>	
	14:00-16:30	<b>Workshop on Incident Response 101 - Evidence Collection to Initial Compromise Assessment</b>	<b>Mr. Emre Tinaztepe</b> , Binalyze LLC, USA/ Estonia & <b>Mr. Sukru Durmaz</b> , DIFOSE, Turkey

<b>LAB</b>	09:30-13:00	<b>Workshop on Implementation of Secure Web Site Hosting in Linux Environment</b>	<b>Mr. Rao Nazar Iqbal</b> , CESAT, Pakistan
	13:00-14:00	<b>LUNCH BREAK</b>	
	02:00-04:30	<b>Workshop on Memory Forensics</b>	<b>Ms. Nida Akhtar &amp; Ms. Muneeba Ishaq</b> , CESAT, Pakistan

## Technical Program of CS&AT Track (IBCAST-2019) – Day 3 (10 January, 2019)

<b>HALL-A</b>	09:30-10:10	Contemporary Evidence Collection Methods	Foreign Invited Talk by <b>Mr. Sukru Durmaz</b> ,Founder & MD, DIFOSE, Ankara, Turkey
	10:15-11:00	The architecture and physical layer security in multi-satellites communication systems	Foreign Invited Talk by <b>Prof. Dr. BAI Lin</b> , Assistant Dean, School of Cyber Science & Technology, Beihang Univ, China
	11:01-11:30	<b>TEA BREAK</b>	
		<b>SESSION CHAIR: Dr. Hanif Durad, PIEAS.</b>	
	11:31-12:10	5G Network Security – Current Research Situation and Progress	Foreign Invited Talk by <b>Prof. Dr. LIU Jianwei</b> , Dean School of Cyber Science & Technology, Beihang Univ. China
	12:05-12:20	CS&AT-494: Formal verification of Blockchain based Credential Management System	Mohammad Hani, PIEAS
	12:21-12:35	CS&AT-760: DDoS Botnet Prevention using Blockchain in Software Defined Internet of Things	Qaisar Shafi, NUST
	12:36-12:50	CS&AT-613: Classical and Deep Learning classifiers for Anomaly Detection	Manahil Raza, NUST
	13:00-14:00	<b>LUNCH</b>	
	14:01-14:40	Understanding Cyber Threats Intelligence	Foreign Invited Talk by, <b>Mr. Ts. Mohamed Fadzlee Sulaiman</b> , Lead CyberDEF Unit, CSM, Malaysia
	14:45-15:15	Recent Developments in Cloud Security and their Standards	Local Invited Talk by <b>Dr. Syed Nasir Shah</b> , Associate Prof., KICSIT
	15:20-15:50	Data Protection and National Cyber Security Framework	Local Invited Talk by <b>Dr. Rafi Us Shan</b> , Chief Security Specialist, KP IT Board, KPK
<b>HALL-B</b>		<b>SESSION CHAIR: Dr. Usman Qamar, NUST.</b>	
	09:30-10:10	Cybersecurity in healthcare: A review of trends, threats and ways forward	<b>Dr. Usman Qamar</b> , Director Knowledge & Data Science Research Centre, NUST
	10:15-10:30	CS&AT-493 : Testing-based Model Learning Approach for Legacy Components	Shahbaz Ali, Beihang University of Aeronautics & Astronautics, Beijing, China
	10:31-10:45	CS&AT-715: Probabilistic Test Case Prioritization from Activity Diagram using Parameter Space and Markov Chain	Sana Talha, Iqra University
	10:46-11:00	CS&AT-847: Improving test adequacy assessment by novel JavaScript mutation operators	Muneeb Muzamal, CUST
	11:00-11:30	<b>TEA BREAK</b>	
	11:30-16:00	<b>PANEL DISCUSSION ON CRYPTOGRAPHY (Lunch &amp; Prayer Break: 13:00-14:00)</b>	
<b>LAB</b>	09:30-13:00	Workshop on Cracking the Parameters	<b>Mr. Sohaib Jamil</b> , CESAT, Pakistan
	13:00-14:00	<b>LUNCH BREAK</b>	

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		<b>SESSION CHAIR: Prof. Dr. Khalid Hussain, University of Lahore</b>	
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<b>DAY-2</b>		<b>SESSION CHAIR: Dr. Zahri Bin Yunos, CyberSecurity Malaysia</b>	
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## Technical Program of CS&AT Track (IBCAST-2019) – HALL-B

<b>DAY-1</b>	09:30-13:00	REGISTRATION ACTIVITY	
	13:00-14:00	LUNCH BREAK	
		SESSION CHAIR: Prof. Dr. Jawad Hussain, University of Lahore	
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## Technical Program of CS&AT Track (IBCAST-2019) – Computer Lab.

<b>DAY-1</b>	09:30-13:00	<b>REGISTRATION ACTIVITY</b>	
	13:00-14:00	<b>LUNCH BREAK</b>	
	14:00-16:30	<b>Workshop on File-Less Malware</b>	<b>Ms. Maliha Ismail, CESAT, Pakistan</b>

<b>DAY-2</b>	09:30-13:00	<b>Workshop on Implementation of Secure Web Site Hosting in Linux Environment</b>	<b>Mr. Rao Nazar Iqbal, CESAT, Pakistan</b>
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<b>DAY-3</b>	09:30-13:00	<b>Workshop on Cracking the Parameters</b>	<b>Mr. Sohaib Jamil, CESAT, Pakistan</b>
	13:00-14:00	<b>LUNCH BREAK</b>	