



IEEE
Lebanon Section

ISDFS'20
International Symposium on Digital Forensics and Security

SYMPOSIUM PROGRAM

June 01, 2020

GMT + 2 (LEBANON) [Click here for current local time around the World](#)

14:00-14:45 **OPENING CEREMONY (ASSIST. PROF. DR. MEHMET KAYA)**

ASSOC. PROF. DR.-ENG. HASSAN SBEYTI

TERM CHAIR OF ISDFS-2020, [AOU](#), BEIRUT- LB

[PROF. DR. ASAF VAROL](#)

GENERAL CHAIR OF ISDFS, [FIRAT UNIVERSITY-TR](#)

[MRS. DR. YARA ABDALLAH](#)

RECTOR OF [ARAB OPEN UNIVERSITY](#), BEIRUT-LB

14:45-16:00 **ONLINE PRESENTATIONS (SESSION CHAIR: PROF. DR. ASAF VAROL)**

PAPER ID 33: MULTI-KEY HOMOMORPHIC ENCRYPTION CREATE NEW MULTIPLE LOGIC GATES AND ARITHMETIC CIRCUIT
[YAP, CHERN NAM*](#); [CHONG, KOK SEEN](#); [TEW, ZHENG HONG](#)

PAPER ID 42: ON THE CYBER SECURITY OF LEBANON: A LARGE SCALE EMPIRICAL STUDY OF CRITICAL VULNERABILITIES
[FADLALLAH, YASSER*](#); [SBEITI, MOHAMAD](#); [HAMMOUD, MOHAMAD](#); [NEHME, MOHAMAD](#); [FADLALLAH, AHMAD](#)

PAPER ID 26: CHALLENGES OF ACQUIRING MOBILE DEVICES WHILE MINIMIZING THE LOSS OF USABLE FORENSICS DATA
[HERRERA, LAZARO A](#)

OFFLINE PRESENTATIONS

INFORMATION SECURITY

PAPER ID 21: [CLOUD COMPUTING SECURITY CHALLENGES AND THREATS](#)
[BALANI, ZINA*](#); [VAROL, HACER](#)

PAPER ID 30: [TESTING IOT SECURITY: THE CASE STUDY OF AN IP CAMERA](#)
[ABDALLA, PESHRAW AHMED*](#); [VAROL, CIHAN](#)

PAPER ID 31: [QIM-BASED SEMI-FRAGILE WATERMARKING FOR H.264 VIDEO AUTHENTICATION](#)
[EGOROVA, ANNA*](#); [FEDOSEEV, VICTOR](#)

PAPER ID 38: [MiNo: THE CHROME WEB BROWSER ADD-ON APPLICATION TO BLOCK THE HIDDEN CRYPTOCURRENCY MINING ACTIVITIES](#)
[AKTEPE, SAFA*](#); [VAROL, CIHAN](#); [SHASHIDHAR, NARASIMHA K](#)

PAPER ID 41: [INTRODUCING THE 'UNIFIED SIDE CHANNEL ATTACK MODEL \(USCA-M\)](#)
[JOHNSON, ANDREW*](#); [WARD, RICHARD](#)

PAPER ID 47: [CYBERSECURITY EVALUATION WITH POWERSHELL](#)
[ZAVALA, STEVEN*](#); [SHASHIDHAR, NARASIMHA KARPOOR](#); [VAROL, CIHAN](#)

- PAPER ID 48:** [USING ITIL 4 IN SECURITY MANAGEMENT](#)
BERGER, DERRICK*; SHASHIDHAR, NARASIMHA KARPOOR; VAROL, CIHAN
- PAPER ID 49:** [ON-PREMISES VERSUS SECAAS SECURITY MODELS \(SMALL BUSINESS INFORMATION SECURITY: THE FUNDAMENTALS\)](#)
PLA, LUIS*; SHASHIDHAR, NARASIMHA KARPOOR; VAROL, CIHAN
- PAPER ID 58:** [CLASSIFYING SOFTWARE VULNERABILITIES BY USING THE BUGS FRAMEWORK](#)
ADHIKARI, THAMALI MADHUSHANI; WU, YAN*
- PAPER ID 78:** [EXPLOITING VULNERABILITIES OF MRI SCANNER MACHINE: LEBANON CASE STUDY](#)
NABHA, REEM AKRAM*, HASSAN SBEYTI
- PAPER ID 79:** [SIGNATURE RECOGNITION USING MACHINE LEARNING](#)
MSHIR, SHALAW*; KAYA, MEHMET
- PAPER ID 80:** [MIRAI BOTNET IN LEBANON](#)
IDRISS, HASAN*

CRYPTOGRAPHY

- PAPER ID 51:** [AN EFFICIENT IP CORE OF CONSULTATIVE COMMITTEE FOR SPACE DATA SYSTEMS \(CCSDS\) RECOMMENDED AUTHENTICATED CRYPTOGRAPHIC ALGORITHM](#)
MURALEEDHARAN, DEEPA*; DANIEL, SANIL K.
- PAPER ID 81:** [OVERVIEW OF EFFICIENT SYMMETRIC CRYPTOGRAPHY: DYNAMIC VS STATIC APPROACHES](#)
NOURA, HASSAN N.*; CHEHAB, ALI; COUTURIER, RAPHAËL
- PAPER ID 88:** [CRITICAL ANALYSIS OF CRYPTOGRAPHIC ALGORITHMS](#)
ALROUBIEI, MAZOOON; ALYARUBI, THURAIYA; KUMAR, BASANT*;

DATA PRIVACY

- PAPER ID 59:** [A STUDY ON CYBER SECURITY CHALLENGES IN E-LEARNING AND DATABASE MANAGEMENT SYSTEM](#)
IBRAHIM, HABIB*; KARABATAK, SONGÜL; ABDULLAHI, ABDULLAHI ABBA

DIGITAL FORENSICS

- PAPER ID 05:** [AUGMENTED REALITY BASED CRIMINAL INVESTIGATION SYSTEM \(ARCRIME\)](#)
EHSAN I HAQUE, SHAHERYAR*; SALEEM, SHAHZAD
- PAPER ID 08:** [A ROBUST COPY-MOVE FORGERY DETECTION IN DIGITAL IMAGE FORENSICS USING SURF](#)
BADR, ABDELHALIM*; YOUSSEF, ALIAA A. A.; WAFI, MAGED
- PAPER ID 13:** [THE ROLE OF MACHINE LEARNING IN DIGITAL FORENSICS](#)
QADIR, ABDALBASIT MOHAMMED*; VAROL, ASAF
- PAPER ID 25:** [IMPORTANCE OF ROOTING IN AN ANDROID DATA ACQUISITION](#)
BOUEIZ, MARY ROSE*
- PAPER ID 29:** [AN ANDROID CASE STUDY ON TECHNICAL ANTI-FORENSIC CHALLENGES OF WHATSAPP APPLICATION](#)
MIRZA, MOHAMMAD M.; SALAMH, FAHAD; KARABIYIK, UMIT*
- PAPER ID 37:** [REMOTE SENSING IMAGE INPAINTING WITH GENERATIVE ADVERSARIAL NETWORKS](#)
GASHNIKOV, MIKHAIL*; KUZNETSOV, ANDREY
- PAPER ID 39:** [GRAPHICALLY DISPLAY DATABASE TRANSACTIONS TO ENHANCE DATABASE FORENSICS](#)
OROSCO, CHRISTINE*; VAROL, CIHAN; SHASHIDHAR, NARASIMHA K

- PAPER ID 43:** [PREDICTING CRIME SCENE LOCATION DETAILS FOR FIRST RESPONDERS](#)
KRISHNAN, SUNDAR*; ZHOU, BING
- PAPER ID 46:** [ANALYSIS OF IOS SQLITE SCHEMA EVOLUTION FOR UPDATING FORENSIC DATA EXTRACTION TOOLS](#)
SHIMMI, SAMIHA; DORAI, GOKILA; KARABIYIK, UMIT*; AGGARWAL, SUDHIR
- PAPER ID 55:** [METHOD FOR IMAGE COPYRIGHT PROTECTION BASED ON CONSRUCTION OF HIGHLY ROBUST WATERMARKS](#)
VYBORNOVA, YULIYA*
- PAPER ID 60:** [A CON CETUAL FRAMEWORK FOR DATABASE ANTI-FORENSICS IMPACT MITIGATION](#)
ADAMU, BASHIR ZAK*; KARABATAK, MURAT; ERTAM, FATIH
- PAPER ID 61:** [DISTRICT RANSOMWARE: STATIC AND DYNAMIC ANALYSIS](#)
ANDES, NEIL*; WEI, MINGKUI
- PAPER ID 63:** [Z GENERATION STUDENTS AND THEIR DIGITAL FOOTPRINT](#)
KARABATAK, SONGÜL*; KARABATAK, MURAT
- PAPER ID 83:** [OVERVIEW OF DIGITAL FORENSICS AND ANTI-FORENSICS TECHNIQUES](#)
MAJED, HUSSEIN; NOURA, HASSAN N.*; CHEHAB, ALI
- PAPER ID 84:** [INTELLIGENCE IN DIGITAL FORENSICS PROCESS](#)
ADAM, ILIYASU YAHAYA*; VAROL, CIHAN

COMPUTER SCIENCE

- PAPER ID 09:** [QoS PARAMETERS FOR VIABLE SLA IN CLOUD](#)
RAZA, MUHAMMAD RAHEEL*; VAROL, ASAF
- PAPER ID 10:** [CLOUD AND FOG COMPUTING: A SURVEY TO THE CONCEPT AND CHALLENGES](#)
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ALI, CHAWAN TAHA HAMA*; VAROL, ASAF
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ALKHURAJJI, SAMAR M*
- PAPER ID 22:** [PREDICTING STUDENT'S FINAL GRADUATION CGPA USING DATA MINING AND REGRESSION METHODS: A CASE STUDY OF KANO INFORMATICS INSTITUTE](#)
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