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Summit Key Aspects

We invite you to participate in the Summit and in designing the future by joining us in wide-ranging discussions, paper and poster submissions, presentations, innovative brainstorming, and expert networking. The main activities of the Summit will be composed of the following:

8 Keynote
Speakers

3 Panel
Sessions

Exhibitions
& Posters

High-quality Technical Research Papers _ co-joint
with BCCA and IDSTA Conferences and

Graduate and Undergraduate Demos and Poster
sessions About The Summit

01

“Kuwait College of Science and Technology (KCST) is organizing and hosting the 1st Kuwait Fintech and Blockchain Summit in 2023. The summit aims to promote the benefits and technical progress of blockchain technology within various academic, governmental, financial and industrial sectors regionally and globally. The summit will also contribute to different regional government visions, including Kuwait Vision 2035, to share cutting-edge discoveries, findings and insights on blockchain technology and its prospect to revolutionize various sectors including education, healthcare, finance and banking, and governmental services.”

Some of the topics that will be discussed in the summit include:

- Blockchain-based supply chain management
- Digital identity management
- Central bank digital currencies
- Sustainable finance
- Automated investing and trading
- Blockchain-enabled applications and services

Kuwait Fintech and Blockchain Summit

SPEAKERS



Dr. Ammar Alhusaini

Deputy Director General of Central Agency for Information Technology



Prof. Roberto Di Pietro

King Abdullah University of Science and Technology (KAUST)



Stephan Nilsson

CEO and co-founder of UNISOT



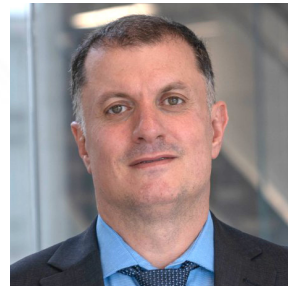
Prof. Jorge Zubelli

Khalifa University



Dr. Srdjan Krčo

Co-Founder and CEO of DunavNET



Prof. Abdallah Shami

Western University



Dr. Hoda Al Khzaimi

NYU Abu Dhabi



Dr. Satya N. Gupta

Chairman of Blockchain for Productivity Forum



Prof. Salil Kanhere

University of New South Wales

Time/Day	Day 1: Tuesday, 24 October (Venue - Kuwait College of Science and Technology)	
9:00 - 9:40	<p>Opening Session</p> <p>Speakers: Prof. Khalid Al-Begain, <i>President of KCST</i> Prof. Latif Laddid, <i>Chair at 5G World Alliance</i>, <i>President of IPv6 Forum</i>, <i>University of Luxembourg</i> Dr. Ammar Alhusaini, <i>Deputy Director General of Central Agency for Information Technology</i>, <i>Kuwait</i> <i>Location: Main Auditorium</i></p>	
9:40 - 10:10	<p>Keynote 1: Prof. Roberto Di Pietro, <i>King Abdulah University of Science and Technology (KAUST)</i> <i>Talk Title: From an Electronic Cash System to DeFi - A journey through cryptocurrencies evolution and their security issues</i> <i>Location: Main Auditorium</i></p>	
10:10 - 10:40	<p>Keynote 2: Stephan Nilsson, <i>CEO and co-founder of UNISOT</i> <i>Talk Title: Disrupting AI - The Public Blockchain and IPv6 as Catalysts for Monetizing AI Models and Creating New Revenue Streams</i> <i>Location: Main Auditorium</i></p>	
10:40 - 11:00	<p>Networking Break (Coffee) + Poster Session <i>Location: First Floor</i></p>	
11:00 - 11:40	<p>Keynote 3: Prof. Jorge Zubelli, <i>Khalifa University</i> <i>Talk Title: Local Volatility Estimation Driven by the Available Data in Option Pricing and Risk Management</i> <i>Location: Main Auditorium</i></p>	
11:40 - 12:20	<p>Keynote 4: Dr. Srdjan Krčo, <i>Co-Founder and CEO of DunavNET</i> <i>Talk Title: Towards transparent and trustworthy agri-food supply chain</i> <i>Location: Main Auditorium</i></p>	
12:20 - 1:00	<p>Panel 1: The Role of AI and Blockchain in Advancing Financial Services and Applications <i>Panelists: Talib Behbehani, Mousa Alsulaimi, Seth Sadq</i> <i>Location: Main Auditorium</i></p>	
1:00 - 2:00	<p>Lunch + Poster Session <i>Location: Second Floor</i></p>	
2:00 - 2:40	<p>Keynote 5: Prof. Abdallah Shami, <i>Western University</i> <i>Talk Title: Zero-Touch Network Security, Use-Case Driven Analysis</i> <i>Location: Main Auditorium</i></p>	
2:40 - 3:20	<p>Keynote 6: Dr. Hoda Al Khzaimi, <i>NYU Abu Dhabi</i> <i>Talk Title: Improving Cryptographic Primitives Attack Frameworks</i> <i>Location: Main Auditorium</i></p>	
3:20 - 4:00	<p>Panel 2: Blockchain Applications and Services, Challenges and Opportunities <i>Panelists: Dr. Ramzi AlSahhar, Dr. Sulaiman Alhasawi, Dr. Basil Al-Othman</i> <i>Location: Main Auditorium</i></p>	
4:00 - 4:15	<p>Social Gathering (Coffee) <i>Location: First Floor</i></p>	

**Technical Session
BC-1**
Chair: Ismaeel Al Ridhawi
Location: Room 1

**Technical Session
BC-2**
Chair: Yaser Jaranweh
Location: Room 2

Day 2: Wednesday, 25 October (Venue - Jumeirah Messilah Beach Hotel)		Day 3: Thursday, 26 October (Venue - Jumeirah Messilah Beach Hotel)	
Time/Day	<p>Keynote 7: Dr. Satya N. Gupta, Chairman of Blockchain for Productivity Forum Talk Title: <i>Convergence of Blockchain and IPv6 - Creation of a Universal Public Digital Infrastructure</i> Location: Conference Hall 1</p>		<p>Keynote 8: Prof. Saïl Kanhere, University of New South Wales Talk Title: <i>Practical and Extensible Decentralised Identity Management</i> Location: Conference Hall 1</p>
9:00 - 9:45			
9:45 - 10:00	Networking Break (Coffee)		
10:00 - 11:00	<p>Panel 3: The Role of Young Professionals in Cybersecurity and Futuristic Technologies Panelists: <i>Dr. Ali Alkazimi, Ali Al-Khaled, Ahmed Hajeyah, Husain Ma'ad</i> Location: Conference Hall 1</p>	<p>Technical Session: BC-7 Chair: <i>Moayad Aloqaily</i> Location: Conference Hall 1</p>	<p>Technical Session: BC-8 Chair: <i>Yaser Jararweh</i> Location: Conference Hall 2</p>
11:00 - 1:00	<p>Tutorial 1: Integration of SDN and Blockchain for IoT Networks Presenters: <i>M. Karakus, E. Guler, S. Turner, S. Uludag</i> Location: Conference Hall 1</p>	<p>Technical Session: BC-3 Chair: <i>Mohammed Faisal</i> Location: Conference Hall 2</p>	<p>Tutorial 2: Oracle problem in Blockchain Presenter: <i>Ayana T. Aspembitova</i> Location: Conference Hall 1</p>
1:00 - 2:00	Lunch Location: Conference Foyer		
2:00 - 4:00	<p>Technical Session: BC-4 Chair: <i>Mohammed O. Adam</i> Location: Conference Hall 1</p>	<p>Technical Session: BC-5 Chair: <i>Safa Oloum</i> Location: Conference Hall 2</p>	<p>Technical Session: BC-10 Chair: <i>Ismaeel Al Ridhawi</i> Location: Conference Hall 1</p>
4:00 - 6:00	<p>Technical Session: BC-6 Chair: <i>Ismaeel Al Ridhawi</i> Location: Conference Hall 1</p>	<p>Technical Session: DS-1 Chair: <i>Haider Ramadhan</i> Location: Conference Hall 2</p>	<p>Technical Session: DS-2 Chair: <i>Ehtesham Hassan</i> Location: Conference Hall 2</p>
	Gala Dinner and Awards Ceremony (7:00-9:00) Location: Conference Hall 1		Group Tour (7:00-9:00)

BCCA Technical Sessions

Technical Session	Paper ID	Title	Authors
BC-1	4284	QLAMMP: A Q-Learning Agent for Optimizing Fees on Automated Market Making Protocols	Dev Churiwala and Bhaskar Krishnamachari
	8145	A Comprehensive Distributed Framework for Cross-silo Federated Learning using Blockchain	Prateek Durgapal, Parth Kataria, Garv Garg and Anshu S. Anand
	9553	Decentralized and Trustful Supervised Learning over Blockchain	Yamina Khenfouci and Yacine Challal
	378	Deep Learning PUF-based Item Identification for Supply Chain Management in a Distributed Ledger Framework	Carmelo Felicetti, Antonella Guzzo, Giuseppe Manco, Francesco Pasqua, Ettore Ritacco, Antonino Rullo and Domenico Saccà
	528	AI-Assisted Investigation of On-Chain Parameters: Risky Cryptocurrencies and Price Factors	Abdulrezak Zekiye, Semih Utku, Fadi Amroush and Ozgur Ozkasap
	6520	A dynamic decision support system for the best-fitting Blockchain platform selection	Muhammad Nasim Bahar, Michal Ries and Kristián Košťál
	952	Unveiling Ethereum's Hidden Centralization Incentives: Does Connectivity Impact Performance?	Mikel Cortes-Goicoechea, Tarun Mohandas-Daryanani, Jose Luis Muñoz-Tapia and Leonardo Bautista-Gomez
	3057	A Reputation System for Distributed Intelligent Blockchain Decision-Making	Charles Rawlins, Jagannathan Sarangapani and Venkata Srimam Siddharth Nadendla
BC-2	1098	Prediction of Blockchain Transaction Fraud Using a Lightweight Generative Adversarial Network	Charles Rawlins, Jagannathan Sarangapani and Donald Wunsch
	5431	Modelling Blockchain-based Systems using Model-driven Engineering	Ebtehal Nassar, Sherif A. Mazen, Stefan Craß and Iman M. A. Helal
	1997	Securing Federated Learning against FGSM Attacks with Adaptive Trust Scores and Blockchain Updates	Ammar Abasi, Neveen Hijazi, Moayad Aloqaily and Mohsen Guizani
	5471	Towards Privacy-Aware Federated Learning for User-Sensitive Data	Muhammad Asad and Safa Otoum
	1943	Blockchain-based Federated Learning for Decentralized Energy Management Systems	Abdulrezak Zekiye and Öznur Özkasap
	1183	BETA-FL: Blockchain-Event Triggered Asynchronous Federated Learning in Supply Chains	Mayank Gulati, Narges Dadkhah, Benedikt Groß, Gerhard Wunder, Jovan Glavonjic, Aleksandar Pavlovic and Aleksandar Tomcic
	589	Automating and Decentralising Satellite-based Emergency Mapping	Robert Cowlishaw, Red Boumghar, Annalisa Riccardi and Ashwin Arulseivan
	1637	DeepBlock: A Collaborative Intrusion Detection Framework Based on Blockchain and Deep Learning	Monirah Al-Ajjan and Mourad Ykhlef
BC-3	1071	Blockchain-based key management solution for Clustered Flying Ad-Hoc Network	Maroua Abdelhafidh, Nesrine Zaghdoud, Nadia Charef and Adel Ben Mnaouer
	9112	Blockchain enabled Private 5G Networks: A Primer	Nisita Weerasinghe, Tharaka Hewa, Anshuman Kalla, Mika Ylianttila and Madhusanka Liyanage
	9576	Automation of Blockchain Network Setup in offering Blockchain as a Service (BaaS)	Jyostna Grandhi, Mahesh U Patil and Lakshmi Eswari
	7785	Application of blockchain technologies to improve the quality of microgrid network management	Volodymyr Khylenko
	5503	Blockchain based fog computing network architecture	Ivan Fedorov and Sergey Bezzateev
	1052	High-Speed Secure Vanity Address Generator for User Convenience in Blockchain Networks	Md. Mainul Islam, Md. Kamrul Islam and Mohammad Hammoudeh
	5467	An Adaptive Blockchain-based Decentralized Network Computing	Jongho Seol, Kyle Kentner, Indy N. Park, Shital Joshi and Nohpill Park
	6556	Scaling A Blockchain System For Load Balancing of DNS Servers Using Heuristic Sharding	Fahad Rahman, Chafiq Titouna and Farid Nait-Abdesselam
BC-4	5849	Blockchain-Based Heuristic Study to Secure UAVs From GPS Spoofing Signals and External Attacks	Abdullatif Baba, Basil Allothman and Omar Khattab
	373	Communicate Vehicle Accident Data to Blockchain for Secure and Reliable Record-Keeping Using Android Automotive Application	Luc Gerrits, Thomas Mabrut and Francois Verdier
	8517	Blockchain-Based Psychological Information Sharing Platform	Xirong Xiao, Mohamed Rahouti, Senthil Kumar Jagatheesaperumal and Kaiqi Xiong
	6278	Blockchain for Email Security: A Perspective on Existing and Potential Solutions for Phishing Attacks	Jamal Al-Karakri, Amjad Gawanmeh and Claude Fachkha
	8935	Towards the Optimization of the Spanish Land Registry System	Yeray Mezquita, Javier Parra, Javier Prieto and Juan Corchado
	4804	Enhancing Parcel Tracking with Blockchain: A Secure and Efficient Solution for Large Shipments of Medicines and Drugs	Saud Alhoshan, Mohammed Alaleem, Eisa Jokhdar, Dana Kharrat, Nidal Nasser and Lutful Karim
	8686	Breaking Boundaries: Exploring Blockchain's Impact on UAE Organizations	Ahmed Shuhaiber, Nishara Nizamuddin and Amal Amer
	9648	DocCert: Nostrification, Document Verification and Authenticity Blockchain Solution	Monther Aldwairi, Mohamad Badra and Rouba Borghol

Technical Session	Paper ID	Title	Authors
BC-5	6189	Pluggable Integrity layer for Property Registration	Ras Dwivedi, Mukul Verma, Tanmay Yadav and Sandeep Shukla
	8014	Blockchain-Based Countermeasures for Luxury Goods Counterfeiting: A Focused Survey	Marko Jevtic, Sajjad Khan, Jorao Gomes Jr. and Davor Svetinovic
	6016	Schooling to Exploit Foolish Contracts	Tamer Abdelaziz and Aquinas Hobor
	5675	Towards Citizen-Centric Services using Blockchain-Powered Digitalization of Public Sector Processes	Sion Israel Sion, Kaiwen Zhang and Alain April
	4122	Verifiable Credentials with Privacy-Preserving Tamper-Evident Revocation Mechanism	Li Xu, Tianyu Li and Zekeriya Erkin
	8661	ParaSpell XCM SDK: A new protocol for interoperability in Polkadot Paraverse	Dušan Morháč, Kristián Košťál, Viktor Valaštin and Ivan Kotuliak
	5666	CoMMA Protocol: Towards Complete Mitigation of Maximal Extractable Value (MEV) Attacks	Dev Churiwala and Bhaskar Krishnamachari
	651	Echidna: A New Consensus Algorithm for Efficient State Machine Replication	Rui Morais, Paul Crocker and Simão Melo de Sousa
BC-6	157	Exploring Arbitrary Real-life Problems in Proof-of-Useful-Work: Myth busting?	Tatjana Davidovic, Milan Todorovic, Bharat Sharma and Dusan Ramljak
	520	PoWVDF: Progressive Real-Time Block Rate Targeting	Yuehua Wu, Feihu Yan, Yunxiao Wang and Wenzhi Chen
	3855	Poster Paper: Towards Blockchain-based AI Alignment Using a Proof of Personhood Consensus Mechanism	Alexander Neulinger
	2187	SmartNIC-Powered Multi-threaded Proof of Work	Disha Patel and Sean Choi
	9340	Proof-of-Federated-Learning-Subchain: Free Partner Selection Subchain Based on Federated Learning	Boyang Li, Bingyu Shen, Qing Lu, Taeho Jung and Yiyu Shi
	3027	A Real-Time Performance Model for NFT Chains	Kyle Kentner, Jongho Seol and Nohpill Park
	4333	Dynamic membership management for a permitted blockchain	Fjölfnir Prastarson and Gisli Hjálmtýsson
	6669	Socio-technical Principles of Decentralized Protocol Design	Harry Halpin, Jaya Brekke and Marios Isaakidis
BC-7	6653	The Greed Trap: Uncovering Intrinsic Ethereum Honey pots through Symbolic Execution	Mahtab Norouzi, Mounir Elgharabawy and Kaiwen Zhang
	1209	Implementing and Evaluating a Blockchain-Based Dematerialized Public Procurement System with HyperLedger Fabric and OCDS	Papa Diadia Ba, James Tamgno Kouawa and Kora Ahmed Dooguy
	7610	Measuring Stakeholder Agreement and Stability in a Decentralised Organisation	Sarad Venugopal and Heiko Ayd
	8950	A technique to avoid Blockchain Denial of Service (BDoS) and Selfish Mining Attack	Md. Ahsan Habib, Md. Mainul Islam, Md. Motaleb Hossen Manik, Tamsid Rahman, Rushmila Shabneen, Fahim Ahmed Mondal and Raihan Hussain
	5394	SoK: Essentials of BFT Consensus for Blockchains	Gang Wang and Mark Nixon
BC-8	4791	A Framework for Asynchronous Cross-Blockchain Smart Contract Calls	Michael Sober, Giulia Scaffino, Marten Sigwart, Philipp Frauenthaler, Markus Levonyak and Stefan Schulte
	9360	Cross-Chain Atomic Swaps without Time Locks	Ras Dwivedi, Tushar Singla and Sandeep Shukla
	1072	Model-Driven Approach for Generating Smart Contracts for Access Control	Issam Al-Azzoni and Saqib Iqbal
	7288	Design requirements for secured and cost-efficient Blockchain-based data exchange frameworks in healthcare	Shahrin Chowdhury and Anca Delia Jurcut

Technical Session	Paper ID	Title	Authors
BC-9	7641	Secure Multi-party Computation for Digital Assets Custody Purpose - Analysis of Open-source Implementations	Daniel Roszak and Zakwan Jaroucheh
	7738	Secure and Decentralized Generation of Secret Random Numbers on the Blockchain	Pouria Fatemi and Amir Goharshady
	7999	Blockchain CBDC Security Threats using STRIDE	Jaqueline Hans, Sajjad Khan and Davor Svetinovic
	8274	Parallel Committees: High-Performance, Scalable, and Secure Distributed Replication System Using a Novel Sharding Technique	Siamak Solat and Farid Nait-Abdesselam
	574	Mining User Behavior in Decentralized Applications for Blockchain Trust and Security Analytics	Shengwei You, Aditya Joshi, Andrey Kuehlkamp and Jarek Nabrzyski
	4790	Blockchain-based consent management for privacy persevering and transparency in intelligent surveillance systems	Fehmi Jaafar, Darine Amayed, Wissam Salhab, Mohamed Cheriet and Hajer Bouani
	9425	Blockchain Technology in IoT and IIoT Environments: Solutions and Challenges	Saad Alghashmari and Abdulaziz Alhori
	4042	SoK: Blockchain for Industrial Internet of Things	Gang Wang and Mark Nixon
BC-10	2310	Towards a framework for analyzing the suitability of DLTs for integration in the IoT	Guido Perscheid and Juergen Moormann
	1212	Securing Cyber-Physical Industrial Systems Against False Data Injection Attacks: A Hybrid Detection Approach	Khalil Guibene, Nadhir Messai and Marwane Ayaida
	1525	A distributed EMR data storage scheme based on LWE	Haotian Luo, Niansong Mei, Chong Du and Caoyi Yu
	5704	Opening Pandora's Box: an Analysis of the Usage of the Data Field in Blockchains	Eder John Scheid, Sebastian Küng, Muriel Franco and Burkhard Stiller
	7555	Blockchain-based data sharing platform customization with on/off-chain data balancing	Stefan Behfar, Frank Théodoloz, Cyril Schranz and Marzie Hosseinpour
	1444	DLT-based Personal Data Access Control with Key-Redistribution	Fadi Barbara, Mirko Zichichi, Stefano Ferretti and Claudio Schifanella
	9594	How decentralized intelligence relates to big data analytics	Stefan Behfar
	5136	A New Direction of Blockchain Data Representation: Compressing Big Data and Computation-based Verification	Abdelkader Laouid, Mostefa Kara, Mohammed Al-Khalidi, Khaled Chait, Mohammad Hammoudeh and Ahmed Aziz
BC-11	8343	IoT Data Sharing Scheme Based on Blockchain and Homomorphic Encryption	Caoyi Yu, Niansong Mei, Chong Du, Haotian Luo and Qian Lian
	9030	Securing Medical Records Using Private Blockchain Technology	Basil Allothman, Mariam Alenezi, Danah Alhamdan, Mariam Almutairat, Zahraa Almousa, Chibli Joumaa and Murad Khan
	1273	Optimizing Read Performance in Lightweight Blockchain with Cooperative Storage Scheme	Han Wang, Hui Li, Zixian Wang, Feng Zhao, Yao Yao, Tuanfa Qin, Ping Lu and Jiaoli Shi
	7248	Risk-Free Interest Rates in Decentralized Finance	Ben Charoenwong, Robert Kirby and Jonathan Reiter
	9368	A Framework for Digital Asset Transaction Roundtrip Risk Evaluation	Saminu Salisu and Caitlin Egen
	588	Challenges of Blockchain adoption in financial services in China's Greater Bay Area	Xiongfei Zhao and Yain-Whar Si
	5937	Qwallet: A Hybrid Cryptocurrency Wallet using Quantum RNG	Muhammad Muneem Shabir and Kaiwen Zhang
	346	Routing Fee Adjustment Strategies in Payment Channels	Bence Ladoczki and Zhaojie Luo
BC-12	2841	Web3 and Blockchain for Modernizing the Reseller Market	Håkon I. Frøland, Edward Palm, Katina Kravevska and Danilo Gligoroski
	3315	Artwork NFTs Online Trading and Transaction Cancellation: A Smart Contract Application	Elsi Ahmadieh and Nour El Madhoun
	6601	Metaverse through Blockchain and Intelligent Networking: A Comprehensive Survey	Mohammad Alija' Afreh, Sahel Alouneh, Muath Obaidat, Ali Karime and Abdulmotaaleb El Saddik
	7175	Incentivising Building Data Availability and Accessibility Using Tokenized Data Assets	Sarad Venugopalan and Heiko Aydtt
	1309	Advancing Decentralized Finance: A Comprehensive Pool-based Liquidity Protocol	Kristián Košťál, Muhammad Nasim Bahar, Richard Gazdik and Michal Ries

IDSTA Technical Sessions

Technical Session	Paper ID	Title	Authors
DS-1	4109	Fadi Alzhouri, Hardik Gunjal, Preetkumar Patel, Ahmad Hammad and Dariush Ebrahimi	A Smart Network Intrusion Detection System for Cyber Security of Industrial IoT
	4080	Haider Ramadhan	Identifying Candidate Pages for Shortcuts in a Website for Site Personalization and Adaptation
	8359	Moamin Abughazala, Mohammad Sharaf and Henry Muccini	Data Architecture Framework For Data-Intensive Applications
	3047	Hicham Ghouch, Karima El Majdoub, Abdelmounaim Kerki and Mohamed Amine Madani	Arabic Web Page Classification with AraBERT and Mixture vectorization Methods: Analysis using K-NN, LSTM and Naive Bayes
	9468	Abdelhamid Haouhat, Slimane Bellaouar, Attia Nehar and Hadda Cherroun	Towards Arabic Multimodal Dataset for Sentiment Analysis
	4100	Mohamad Tarabin, Mariam Mohamed Alketbi, Hamad Rashed Alfalasi, Mohammad Alsmirat and Yousef Sharrab	Detecting Distracted Drivers using Convolutional Neural Networks
	4859	Ahmed Mahrous, Jens Schneider and Roberto Di Pietro	The Role of Emojis in Sentiment Analysis of Financial Microblogs
	5659	Shovan Chowdhury, Fengqi Li, Avery Stubbings, Joshua New, Ankur Garg, Santiago Correa and Kevin Bacabac	Bias Correction in Urban Building Energy Modeling for Chicago using Machine Learning
	933	Mustafa Daragmeh, Anjali Agarwal and Yaser Jararweh	Incorporating Data Preparation and Clustering Techniques for Workload Segmentation in Large-Scale Cloud Data Centers
DS-2	9379	Zainab Abualhassan, Ehtesham Hassan, Imtiaz Ahmad and Sa'Ed Abed	Epileptic Seizure Detection using Novel CNN with Residual Connections
	2143	Tina Zavvar, Ismaeel Al Ridhawi and Ali Abbas	Thermography-Based Early-Stage Breast Cancer Detection Using SVM
	4955	Haya Elayan, Moayad Aloqaily and Mohsen Guizani	Deep Federated Learning for IoT to Improve Healthcare Operations
	1730	Sam Aleyadeh, Abbas Javadtalab and Abdallah Shami	Modular Simulation Environment Towards OTN AI-based Solutions
	8739	Ahmed Shuhaiber, Hamdah Almenhali, Meera Almansoori and Noura Alhamed	My Household' Application: A Smart Mobile Application for Household Management
	310	Sunday O. Olatunji, Abdulaziz Alzahrani, Abdulaziz Alsubaie, Osamah Aldahlan, Ibrahim Alnafea, Abdullah Alamri, Mohammed Imran, Mohammad Aftab, Abdulrahman Almuheidib and Jamal Alhiyafi	Machine Learning Based Preemptive Diagnosis of Parkinson's Disease Using Saudi Clinical Data: A Preliminary Case Study on Saudi Arabia Dataset
	3114	Joshua Theoder, Binusha Shabu Metharath and Sahel Alouneh	Securing Domain Name Systems With Blockchain
	2998	Qanita Bani Baker, Enas Khwaleh, Marwa Alharbi and Yaser Jararweh	Lung Cancer Survival Time Prediction Using Machine Learning and Deep Learning Techniques
	936	Ruba Kharsa, Rouaa Alzoubi, Mohammad Alsmirat and Mahmoud Al-Ayyoub	Image Retargeting Techniques Identification using Supervised Deep Learning
	4100	Mohamad Tarabin, Mariam Mohamed Alketbi, Hamad Rashed Alfalasi, Mohammad Alsmirat and Yousef Sharrab	Detecting Distracted Drivers using Convolutional Neural Networks

Poster Session

A Smart Health Monitoring System for Soldiers

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Footstep power generation

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Robot-Based Solution for helping the Alzheimer Patients

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Solar PV damage detection and dust cleaning system

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IoT control Bot: Telegram-based control for IoT Devices and Sensors

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A New Vehicle Protection System

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Smart Car Braking System

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An Internet of Things based Smart Baby Cradle

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A Traffic Regulation System based on RFID Technology

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Gas Leakage Detector System

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Burned skin segmentation and classification

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Secure You Home: an Automation System for Home Security

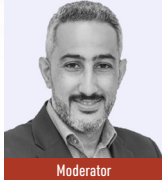
Authors' Names

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Fatemah Mliahan Barakah Alsaedi

Panelists

Panel 1:

The Role of AI and Blockchain in Advancing Financial Services and Applications



Moderator

Dr. Moayad Aloqaity

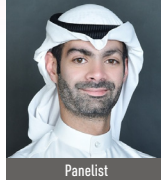
Mohamed Bin Zayed
University of Artificial
Intelligence



Panelist

Mr. Talib Behbehani

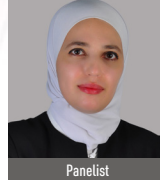
Al Ahli Bank of Kuwait



Panelist

Mr. Mousa Alsulaimi

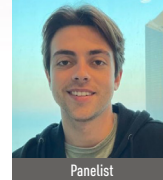
Boubyan Bank



Panelist

Dr. Safa Otoum

Zayed University



Panelist

Mr. Seth Sadeq

Kem

Panel 2:

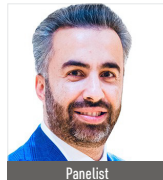
Blockchain Applications and Services, Challenges and Opportunities



Moderator

Dr. Ismaeel Al Ridhawi

Kuwait College of Science and
Technology



Panelist

Dr. Rami Al-Sahhar

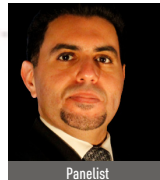
Provitiv Middle East Member
Firm



Panelist

Dr. Suleiman Alhassawi

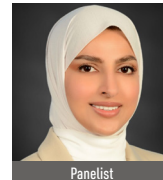
ZeroNtek



Panelist

Dr. Basil Al-Othman

Kuwait College of Science and
Technology



Panelist

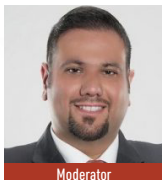
Dr. Huda Alrashidi

Arab Open University

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Panel 3:

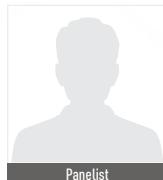
The Role of Young Professionals in Cybersecurity and Futuristic Technologies



Moderator

Dr. Ali Alfayly

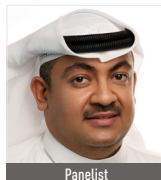
The Public Authority for Applied
Education and Training



Panelist

Dr. Ali Alkazimi

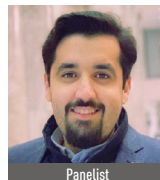
Burgan Bank



Panelist

Mr. Ali Al-Khaled

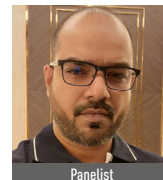
Central Bank of Kuwait



Panelist

Mr. Ahmed Hajeyah

Tahseel



Panelist

Mr. Hussein Ma'ad

Amiviz

Recreation in Kuwait City

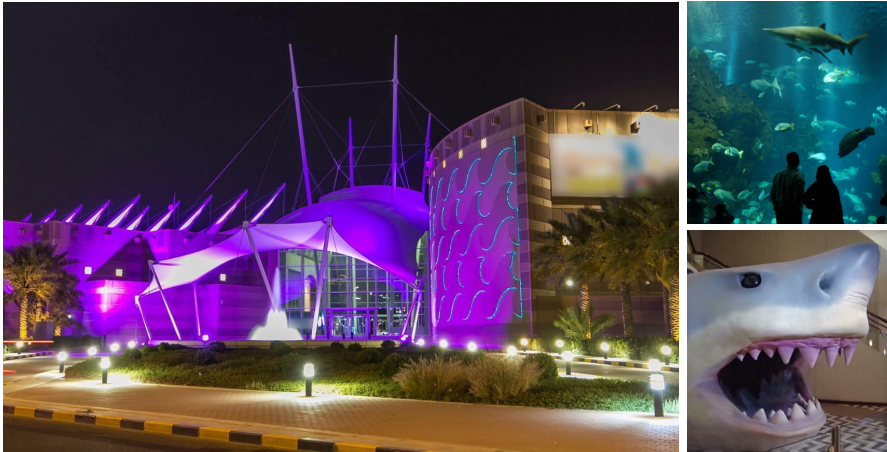
Kuwait has a remarkable range of activities catering to almost every market segment. There are plenty of family friendly activities in Kuwait city, and children are never bored when holidaying anywhere in Kuwait.





Sadu House

Bedouin women teach traditional Bedouin weaving to locals and tourists at the Sadu House at the National Museum Complex.



Scientific Centre

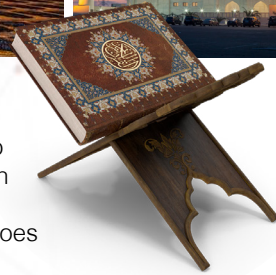
It offers the chance to see many different sea species living in their natural habitats as well as discovering the secrets of the deep blue sea, children can also watch a movie at the IMAX Theatre, visit Dhow Harbor and have some lunch at the Scientific Centre's restaurant.





Grand Mosque

If you are the sort of traveler who likes to visit and experience something other than what you usually get to see in your hometown, then, this could be the destination for you. Ladies are expected to wear the abaya before entering the Mosque, and all are expected to remove shoes before entering prayer rooms.



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Kuwait Towers

A renowned landmark of Kuwait, it is best to catch a view of Kuwait city from here, especially at night-time. You could also plan a dinner at the rotating restaurant on the top of the towers.



Souk Al-Mubarakiya

Souk Al-Mubarakiya, the shopping area, shows how the old Arabian market looks like. The whole area has been divided into rows of shops, with each row displaying their specialty like spices, deserts, vegetables, fish market square and butcher's square. You can also purchase clothing and souvenir from the market. The place also includes traditional tasty snacks and restaurants.



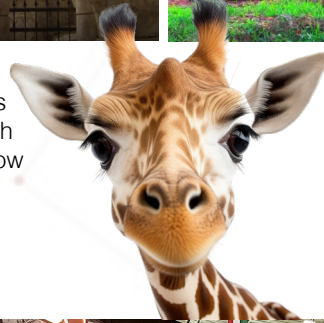
House of Mirrors

The House of Mirrors is a landmark in Kuwait, and just as its name suggests is almost totally covered by mirror mosaics. Each room in the house has a story to tell, starting from representation of mother earth and ending with true marks of Kuwait history.



Kuwait Zoo

located in Omariya on the airport road. It covers 180,000 square meters of parkland, and through a dedicated reconstruction program, the zoo now houses 65 species of animals, 129 species of birds and five species of reptiles.

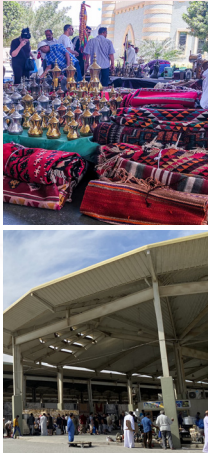


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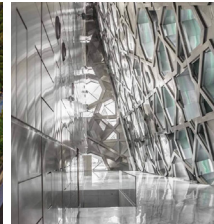
Ice Skating Rink

Kuwait's Ice Skating Rink is located just off the 1st Ring road at Al Shamiya Gate and boasts an Olympic size skating floor as well as a smaller rink for women and children only. Training is available for those who require it.



Friday Market

Located in Shuwaikh, a prime industrial area of Kuwait, the market is a huge open air space, with attractions like Iranian and Pakistani antiques. The place also contains second hand merchandises of everything under the sun, and brand new pets, kitchen ware, vehicles, furniture, antiques, hardware, makeup, clothes, shoes, food, sun glasses, and more



مركز الشيخ جابر الأحمد الثقافي
Sheikh Jaber Al-Ahmad Cultural Centre

Sheikh Jaber Al Ahmad Cultural Centre

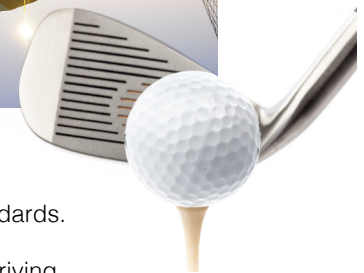
The Sheikh Jaber Al-Ahmed Cultural Centre is a multidisciplinary public space owned by the Amiri Diwan striving to entertain, educate and inspire the people of Kuwait. It has the Opera House which offers live concerts and shows. It will offer a range of events – in music, theatre, film, workshops and spoken word – for every generation and sector of society.



Trapped INN

Trapped Inn is a real life escape game which provides a thrilling team building experience in a mysterious hotel setting. Each room of this hotel will take you through a spectacular adventure to a world beyond your imagination. Trapped Inn Kuwait beholds the largest escape game facility in the Middle East with eight different scenarios in one place. Located in Symphony Mall, Salmiya. Trapped Inn is not far from you to live your 60 minutes of great adrenaline rush experience.

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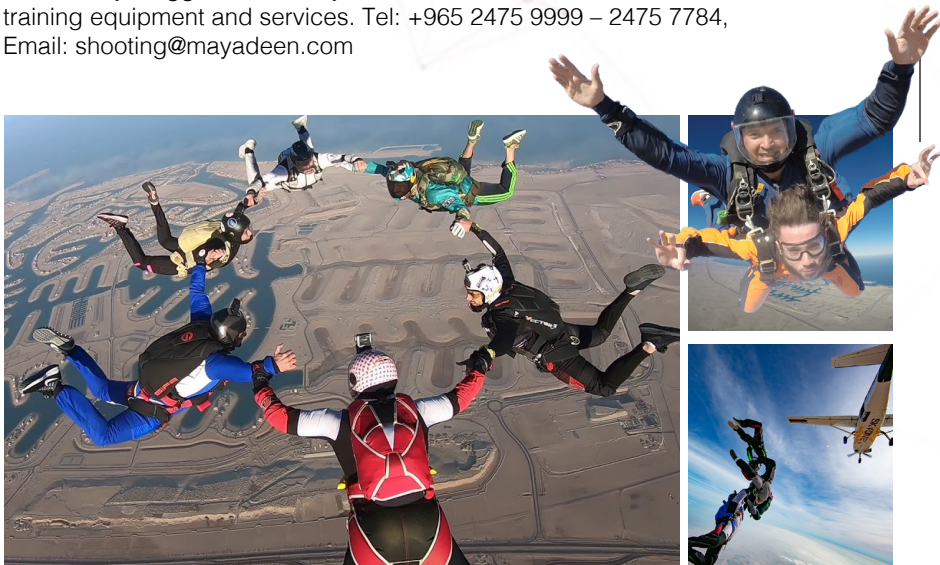
Sahara Kuwait Golf Resort

At the heart of Sahara Kuwait is our stunning Peter Harradine designed 18-hole Championship golf course built to PGA Standards. This charming and challenging course is 6,730 yards long and features three lakes and near 5000 trees. The fully equipped driving range, completes Kuwait's ultimate golfing experience. ly 5000 trees.
www.saharakuwait.com



Shooting Mayadeen

The shooting range complex is located off the 6th Ring Road right behind the Hunting and Equestrian Club. The Shooting Complex can be considered as one of its kind in Kuwait and in the Gulf for its most modern equipment designed and installed by Meggitt Defense System Caswell, the worldwide leader in firearms training equipment and services. Tel: +965 2475 9999 – 2475 7784, Email: shooting@mayadeen.com



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Sky Diving

Kuwait Skydive is the first skydiving center to open up in Kuwait. They've only just opened and they're offering tandem jumps out of a plane with an instructor, as well as skydiving lessons. Kuwait Skydive also offers an AFF course. Their jump location is in Khiran and they're open daily except for Sundays. For more information you can call them up on 65566226 or visit them on Instagram @kuwaitsskydive or kuwaitsskydiveco.com



Fishing

Kuwait is a great country for fishing. You can fish by standing on prominent rocks with sophisticated long casting rods, or at the end of piers using simple poles, lines and hooks. Else, you can use wire baskets to catch fry from the water off the beaches using nets held by several people.

Some places where fishing accessories are available are:

- Al Adwani Fishing Equipment Est. • Sadaco Al Salaam • Khalid Malallah Ibrahim Malallah Est.
- For Boat rental visit: <http://www.silsan.net/silsan/>



Al Shaheed Park

Contemporary green space featuring Walking/jogging paths, a museum, restaurants & botanical gardens.

<http://alshaheedpark.com/>





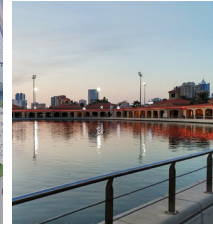
Horseback Riding

Boards over 100 club and private horses and have a show jumping team that participates in competitions in the Arab region, France and Germany. Their dedicated team of trainers and grooms attend to all needs as a rider or as a horse owner. Located in North Sabhan, Block 10, Street 401, Near National Guard, +965 2471 33224/, www.meckuwait.com



Camping

Each year, Kuwaiti residents retreat to the desert for the ultimate camping experience. The camping season in Kuwait begins mid Nov. and ends mid-March. During Kuwait's camping season, people can register the location of their camp after paying a fee and deposit. Certain sites have been allocated by the Municipality for camping, which people have been urged to respect. These legal locations for camping are specified along with the instructions on the official website of the municipality: www.baladia.gov.kw



Boulevard

Boulevard is located in Salmiya right off the 5th Ring Road and opposite Souk Salmiya. It's a large project that contains a bunch of things including a mall, a restaurant complex, supermarket, book shop, parks and even a cricket field



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Sky Zone

Worldwide Trampoline city has come to Kuwait! Having fun with your family and friends by Playing Solo or in a group. With one ladies day. Sky Zone gives you fun also by using state of the art laser tag (desert sniper) and zombie challenge with a full equipment and Tippman paintball markers and they host special events and tournaments. <https://desertsniperkw.com/en/>



Adventure World

Entertainment place for kids and children to play parkourz, Lego, video games trampoline and arcade games. It is in Aqaila, 89 Mall.



Al Sheikh Abdullah Al Salem Cultural Center

It is one of the largest cultural complexes housing a total of 22 galleries with over 1,100 exhibits. The complex offers a natural history museum, a fine art center, Arabic Islamic science museum, space museum and theater.
<https://www.ascckw.com/>

Shopping, Restaurants & Supermarkets

Kuwait has world-class shopping venues:

There is also an extensive choice of food outlets to satisfy all tastes. Many Western foods brands are located in the malls.

The Avenues Mall

Marina Mall

Sharq Mall

360° Mall

Al Fanar Mall

Gate Mall

Al Kout Mall

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Most of the restaurants offer Home delivery service. Which can be done through:

<http://www.talabat.com>

<https://deliveroo.com.kw>

<https://cravez.com/>

Kuwait has lots of popular good quality supermarkets. Some of the retailers are

The Sultan Centre

Lulu Hypermarket

City Centre

Carrefour

Gulf Mart

SaveCo

Geant Hypermarket

Also each suburb has its own local Co-Operative Society supermarket with a few other small shops around it which is good for local shopping. These small shops are called "**bakala's**" in local language.

