Keynote Speakers biography

Name of the Speaker:
Assistant Professor. Dr. Idris Hadi Salih,
Head of Board of Trustees of Tishk International University
Title of the Speaker: 3D Colour Television System with Polaroid Coding of Stereo-gram Signals.

Job Title of the Speaker: 3D Video Technology
Asst. Prof. Dr. Idris Hadi Salih is the President and the Head of Board of Trustees of Tishk International University since November 2016 until 2020 and he is the Head of Board of Trustees until now. Previously he worked as the first Minister of Higher Education and Scientific Research in Kurdistan from 2006 till November 1st 2009. Minister of Labor and Social Affairs in the first government of Iraq – Baghdad between 2005-2006. He first time, Laws, Regulations and a system was put forward for social security network. First Minister of Higher \Education and Scientific Research in Kurdistan between "2006 till 2009". Deputy Minister of Higher Education and Scientific Research in Bagdad between "2004 – 2005". Member of Parliament in Kurdistan Region between "1992 – 2003". President of Salahaddin University – Erbil between "1999 – 2000". Minister of Municipalities and Tourism in 1998. Minister of Industry and Energy in the third cabinet of Kurdistan– Erbil in 1996. Minister of Transportation and Communication in the first and second cabinet of Kurdistan– Erbil in 1993. Head of Electrical Engineering Department, college of Engineering at Salahaddin University between "1985 - 1990". He has participated in many International, national and regional conferences, workshops and seminars since 1980, to present.

Name of the Speaker:
Prof. Dr. Panagiotis (Panos) Liatsis
Title of the Speaker: Supporting IoRT: Machine learning for tactile sensing in robotics

Job Title of the Speaker:
Dr. Panos Liatsis is a Professor of the Department of Electrical Engineering and Computer Science at Khalifa University, he was Professor of Image Processing and Head of the Department of Electrical and Electronic Engineering at City University of London. Dr. Liatsis' research interests include machine learning, pattern recognition, and computer vision, with applications in biomedical image and signal processing, security, and intelligent transportation systems. He published over 200 research contributions in high-impact factor journals, books and international conference proceedings. He is on the editorial boards of international journals and a member of the International Program Committees of international conferences in the fields of image processing, machine learning and intelligent systems.

Name of the Speaker: Dr Magomed Muradov,
Title of the Speaker: RF/Microwave Sensing Approach in Structural Health Monitoring

Job Title of the Speaker:
Dr. Magomed Muradov is a lecturer within the Faculty of Engineering and Technology and an active research member of Built Environment and Sustainable Technologies research institute at Liverpool John Moores University. Magomed has both industrial and academic experience in the adaptation of Industry 4 technologies and development of RF/Microwave sensing systems for structural health monitoring, healthcare and food quality control. Magomed joined a newly established university enterprise zone – Sensor City Liverpool Limited – where he led a team of engineers to support Liverpool City Region based digital and manufacturing SMEs in the development and integration of IoT systems. Today, Magomed leads/co-leads multiple large-scale research projects focused on the development of novel diagnostic tools based on RF/Microwave spectroscopy in order to prevent various tropical diseases in India and Africa.

Name of the Speaker: Dr. John Henry
Title of the Speaker: The Internet of Things and Games technology for education and health applications

Dr John Henry is a Lecturer in Computer Games at the Manchester Metropolitan University with research interests in the Internet of Things applications for good, including healthcare, and the combination of game experiences with the Internet of Things for good. John's research background includes developing simulations for raising awareness and measuring student engagement at the university level of study through a Serious Game that embedded the Internet of Things. Their PhD produced a development framework, allowing technology for good to develop projects that combine Serious Games and the Internet of Things. Aside from this, they have worked on multiple research projects that aided Games to the Web and utilised Web Technologies to make more impactful Serious Game, including web integration of tele-rehabilitation systems and web integration of training system that illustrates BPMN in 3D. Dr Henry is actively researching using biofeedback to measure anxiety for altering virtual rehabilitation experiences in real-time.

QR Zoom Link

Webinar Zoom Link: https://zoom.us/j/98007953782?pwd=SXBDZOVicC8xV2J1dEIqRytqOExCZz09

Webinar ID: **3782 0795 980**

Passcode: **047309**

TIoTC 2021
Emerging Technology Trends in IOT and Computing

THE FIRST INTERNATIONAL CONFERENCE ON EMERGING TECHNOLOGY TRENDS IN INTERNET OF THINGS AND COMPUTING (TIOTC 2021)

Conference Tracks:

Track 1: Internet of Things (IOT): Services and Applications
Track 2: IOT In Communications and Distributed Computing
Track 3: IOT in Healthcare Industry

6 – 7 JUNE 2021

Date : **June, 6-7,2021**
Time : **9:30 am**
Venue : **Tishk International University , Education Building, 302 and 301**
Conference Openning Cerenomy is online Vitually Via Zoom Platform in 6-7 June 2021

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Hour	Event
09:00 – 09:30	Registration
9:30 – 09:45	Opening Ceremony
09:45-10:00	Video about Universities sponsors
10:00 – 10:15	Speech of TIOTC2021 Conference Chair
10: 15 – 10:30	Speech of MOHE Representative
10:30 - 10:40	Speech of MOHE- Kurdistan Representative
First Keynote Speaker	
10:40 – 11:20 A.M	Keynote Speaker 1: Asst. Prof. Dr. Idris Hadi, Head of Board of Trustees of Tishk International University
Second Keynote Speakers	
11:20 – 11:50	Keynote Speaker 2: Prof. Dr. Panos Liatsis, Khalifa University, United Arab Emirates
Third Keynote Speaker	
11:50 – 12:20	Keynote Speaker 3: Dr. Magomed Muradov, Faculty of Engineering and Technology, Liverpool John Moores University, United Kingdom
Fourth Keynote Speaker	
12:20 – 12:45	Keynote Speaker 4: Dr John Henry, Department of Computing and Mathematics, Manchester Metropolitan University, UK
Main Track Sessions	
Session 1: Internet of Things and it's Applications **Chair session: Dr. Isam Khalil Abdullah / Co-Chair 2: Dr. Abbas Muhammed Ali**	
01:30-1:40	Performance Evaluation of Different IoT Protocols Rahaf Al-Qassab
1:40-1:50	An Intelligent Flood Alert System Using LoRa on Basis of Internet of Things Al Mohi Nurb
01:50-02:00	IoT Intrusion Detection Using Modified Random Forest based on Double Feature Selection Methods Ahmed Sadiq
02:00-2:10	Investigation on the impact of video games who use new technology Shiva Asadianfam
Session 2: Internet of Things and it's Applications **Chair session: Dr. Moayad Yousif Potrus / Co-Chair 2: Dr. Polla AbdulHamid Fattah**	
2:10-2:20	A New Secret Sharing Scheme Based on Hermite Interpolation and Folded Magic Cube Rules Rafid Abdulaziz

2:20-2:30	PoGSDB: Proof of Good Service Based on DAGs-to-Blockchain for IoT applications Istabraq M. Al-Joboury
2:30-02:40	AGRIBOT: Energetic Agricultural Field Monitoring Robot based on IoT enabled Artificial Intelligence Logic Qaysar S Mahdi
02:40-02:50	Eye Gaze Based Model for Anxiety detection of engineering students Khafidurrohman Agustianto
Session 3: Artificial intelligence and it's Applications **Chair session: Dr. Qaysar Salih Mahdi Co-Chair 2: Mr.Ganesh Babu Loganathan**	
02:50-03:00	Early Depression Detection using Electroencephalogram Signal Hasnisha Ladeheng
03:00-03:10	Training Adaptive Neuro Fuzzy Inference System Using Genetic Algorithms for Predicting Labor Productivity Nehal Elshaboury
03:10-03:20	Performance evaluation of improved video coding system over advanced broadband systems for 2022 requirements Sarmad Khaleel Ibrahim
03:20-03:30	Microsleep Detection of Automobile Drivers using Electrocardiogram Signal Nur Shahirah Nor Shahrudin
Session 4 : Artificial intelligence and it's Applications **Chair session: Dr. Ezideen Hasso / Co-Chair 2: Dr. Abubakar Muhammad Ashir**	
03:30-03:40	Novel Approximation Booths Multipliers for Error Recovery of Data-Driven using Machine Learning Sudhakar Sengan
03:40-03:50	A Spectrum Sensing Profile Based SDR for Cognitive Radio System: An experimental work Muntasser S. Falih
3:50-4:00	Applying an efficient AI approach for the Prediction of Bearing Capacity of Shallow Foundations Mohammed Majeed
Session 5: Data Security and it's Applications. **Chair session: Dr. Bilal R. Al-Kaseem / Co-Chair 2: Dr. Duraid Y. Mohammed**	
04:00-04:10	Forgery Detection in Digital Forensics for the IoT Exchanged Documents Basim Mahmood
04:10-04:20	A Lightweight algorithm to protect the web of things Muthana S. Mahdi
04:20-04:30	Side-Channel Vulnerabilities in Discrete Ziggurat Sampler in Post Quantum Cryptography: A Critical Review Yousef Fazea
04:30-04:40	A new Image Encryption and Decryption Algorithm Based on a Four-Dimensional Dynamic System Muthana S. Mahdi
Session 6: IOT in Healthcare Industry **Chair session: Dr. Omar Hussein Salman / Co-Chair 2: Dr. Hassan Mohammed Muhialdeen**	
04:40-04:50	Toward on Develop a Framework for Diagnosing Novel-COVID-19 Symptoms Using Decision Support Methods Qahtan M Yas

04:50-05:00	Brain Tumor Classification using Support Vector Machines Based on Feature Selection by Binary Cat Swarm Optimization Wid Ali
05:00-05:10	Prioritization of Medical Data Transmission Over IOT Environmentn Yuvaraj D; Shanmuga S
05:10-05:20	Automated diagnosis of the top spread infectious diseases in Iraq using SVM Technique Hayder Hussein Thary
Session 7: IOT in Healthcare Industry **Chair session: Dr. Mohammed Ahamed Co-Chair 2: Dr. Mohammed Rabeea** **Co-Chair 3: Dr. Abeer Dawood Selman**	
05:20-5:30	Cardiac Arrhythmia Diagnosis via Multichannel Independent component analysis: An approach towards a better health care system Mohammad Sarfraz
05:30-5:40	Using Classification Techniques of Machine Learning Approach for Predicting Anemia in Children Qusay Saihood
05:40-5:50	Automated Brain Tumor Segmentation and Classification Through MRI Images Sahar Gull
Session 8: Networks and Communications **Chair session: Dr. Ahmed Jemal / Co-Chair 2: Mr. Muhannad Abdesatar**	
05:50-6:00	Integration Femto cells Based on Hybrid Beam forming with Existing LTE Macro-Cell for Improving Throughput Towards 5G Networks Mohammed Khudhur Hussein
06:00-6:10	LI-FI Performance via hybrid FSO/Fiber Optic communication under atmospheric disturbance Ahmed Majid Hameed
06:10-6:20	Optimization of Rectangular Microstrip Antenna Patch Parameters to Operate with High radiation Performances for 5G Applications Saman K Ezzulddin
Session 9 : Networks and Communications **Chair session: Dr. Ahmed Abduljebar / Co-Chair 2: Mr. Ali Tariq Radeef**	
06:20-6:30	Named Data Networking Mobility: A Survey Wan Muhd Hazwan Azamuddin
06:30-6:40	Network-Based Method for Dynamic Burden-Sharing in the Internet of Things (IoT) Basim Mahmood; Yasir Mahmood
06:40-6:50	The effect of atmospheric turbulence on the performance of the optical communication link and the RF antenna for end users Mustafa Jasim Hadi
06:50-07:00	Recommendations and Outcomes
06:50-07:00	Award Certificate for Best 3 Papers