

## International Conference on Computing and Communications Applications and Technologies I3CAT'21

In cooperation between  
the College of Engineering – University of Information Technology and Communications (UOITC) and  
the School of Engineering, Arts, Science and Technology (EAST) – University of Suffolk.

### Program Schedule 15th September 2021 Opening Ceremony

Coordinator: **Assis. Lec. Noor Ahmed**  
Link for attendance (ZOOM), ([Click here](#)).  
Meeting ID: 894 4274 3209 Passcode: 612847

No.	Activity	Name	London Local Time	Baghdad Local Time
1	<b>Registration</b>	ZOOM	8:00	10:00
2	<b>Welcome speech</b> , University of Information Technology and Communications, Iraq.	<b>Prof. Abbas M. AL-Bakry</b> President of University of Information Technology and Communications, Iraq General Chair of I3CAT Conference.	8:15	10:15
3	<b>Welcome speech</b> , Abertay University, United Kingdom.	<b>Dr. Laith Al-Jobouri</b> General Chair of I3CAT Conference.	8:25	10:25
4	<b>Keynote Speaker</b> Title of presentation: Quantum Computing, Neuromorphic Computing and Future Minds	<b>Prof. Frank Wang</b> Chairman IEEE Computer Society, UKRI Chapter. School of Computing, University of Kent, United Kingdom.	8:35	10:35
5	<b>Keynote Speaker</b> Title of presentation: From Data to Decision: Opportunities and Challenges in Predictive Analytics	<b>Prof. Wolfgang Birk</b> Head of Analytics at Predge AB and Professor of Automatic Control at Luleå University of Technology, Sweden.	9:25	11:25
6	<b>Break</b>	<b>15 minutes</b>	10:15	12:15

**First Session: Artificial Intelligence**  
**Coordinator: Dr. Ali Najdi**, University of Information Technology and Communications. [Link for attendance \(ZOOM\)](#), ([Click here](#)).  
**Meeting ID:** 894 4274 3209 **Passcode:** 612847

No	Article Title	Author's Name	London Local Time	Baghdad Local Time
AI1	A Feature Extraction Method for Arabic Offline Handwritten Recognition System Using Naive Bayes Classifier	<b>Ahmed Subhi Abdalkafor</b> , Khattab M. Ali Alheeti,	10:30	12:30
AI2	Synthetic Exhaled Breath Data Based Edge AI Model for Prediction of Chronic Obstructive Pulmonary Disease (COPD)	<b>Samson Otieno Ooko</b> , Didacienne Mukanyiligira, Jean Munyampundu, Jimmy Nsenga	10:50	12:50
AI3	Parallel Hybrid String Matching Algorithm Using CUDA API Function	<b>Sinan Al-Dabbagh</b> , Yasir Mosleh Abdal	11:10	13:10
Break Time		10 minutes	11:30	13:30

**Second Session: Wireless Communications**  
**Coordinator: Dr Felix Ngobigha**, University of Suffolk, UK.  
[Link for attendance \(ZOOM\)](#), ([Click here](#)).  
**Meeting ID:** 871 2992 3787 **Passcode:** 683725

No	Article Title	Author's Name	London Local Time	Baghdad Local Time
WC1	5G Meets Construction Machines: Towards a Smart Working Site	<b>Yusheng Xiang</b>	10:30	12:30
WC2	Automated Intermediate Frequency Carrier Estimation by Using Deep Neural Network	<b>Mahesh Shamrao Chaudhari</b> Sudhan Majhi	10:50	12:50
WC3	Performance of Light-Fidelity (Li-Fi) over Fixed Line and Cellular Backhaul Connections	<b>Joseph Balaam</b>	11:10	13:10
Break		10 Minutes	11:30	13:30

**Third Session: Machine Learning**  
**Coordinator: Dr. Mohammed Fadhil**, University of Information Technology and Communications. [Link for attendance \(ZOOM\)](#), ([Click here](#)).  
**Meeting ID:** 894 4274 3209 **Passcode:** 612847

No	Article Title	Author's Name	London Local Time	Baghdad Local Time
ML1	ELM-AD: Extreme Learning Machine Framework for Price and Volume Anomaly Detection in Stock Markets	<b>Sashank Sridhar</b> , Sowmya Sanagavarapu	11:40	13:40
ML2	Automatic Student Performance Prediction System Using Data Mining Techniques	<b>Jyoti Chowdhery</b> , Aadila Jasmin, Anukriti Jaiswal, Angel Arul Jothi	12:00	14:00
ML3	Android Adware Detection Model Based on Machine Learning Techniques	<b>Omar Ahmed Aboosh</b>	12:20	14:20
Break Time		10 minutes	12:40	14:40

**Fourth Session: Antennas**  
**Coordinator: Dr Omar Alani**, University of Salford, UK.  
[Link for attendance \(ZOOM\)](#), ([Click here](#)).  
**Meeting ID:** 871 2992 3787 **Passcode:** 683725

No	Article Title	Author's Name	London Local Time	Baghdad Local Time
AN1	NLOS 5G FWA Performance Testing and Monitoring Using COTS Antennas	<b>Adoche Obekpa</b> , Felix Ngobigha, Stuart D Walker, Eugene A Ogbodo	11:40	13:40
AN2	Improved the Performance of Tapered Slot Vivaldi Antenna Based on Different Shaped-Slots and Dielectric for Ultra -Wideband Applications	<b>Karrar Hassan</b> , Zaid Hassain	12:00	14:00
AN3	A Fractal Antenna Design for Microwave Radiology Imaging Applications	<b>Zainab Muqdad</b> , Taha Elwi, Zaid Hassain	12:20	14:20
Break		10 Minutes	12:40	14:40

Fifth Session: <b>Data Science and Computing</b> Coordinator: <b>Ahmed Shihab Albahri</b> , University of Information Technology and Communications. <a href="#">Link for attendance (ZOOM)</a> , ( <a href="#">Click here</a> ). Meeting ID: 894 4274 3209 Passcode: 612847					Sixth Session: <b>Control and Power System</b> Coordinator: <b>Dr. Nagham Hamid</b> , University of Information Technology and Communications. <a href="#">Link for attendance (ZOOM)</a> , ( <a href="#">Click here</a> ). Meeting ID: 871 2992 3787 Passcode: 683725				
No	Article Title	Author's Name	London Local Time	Baghdad Local Time	No	Article Title	Author's Name	London Local Time	Baghdad Local Time
DSC1	Multi-Resource Power Efficient Virtual Machine Placement in Cloud Computing	<b>Seema Abdulha Sahib</b> , Atheer Marouf Al-Chalabi, Ali Hussein Ali Alnooh, Mouayad Sahib	12:50	14:50	CPS1	Machine Learning for Prediction of Wind Power and Resources in Hot Climate Region	<b>Ahmad Saeed Mohammad</b> , Jabir Alshehabi Al-Ani, Dhafer Zaghar	12:50	14:50
DSC2	IPsec: A Study Exploring Bandwidth and CPU Utilization	<b>Harry Larkins</b> , Nicholas HM Caldwell	13:10	15:10	CPS2	Hovering Drones-Based FSO Technology in Weak Atmospheric Turbulence with Pointing Error	<b>Abdullah Jameel Mahdi</b> , Wamidh Jalil Mazher, Osman Nuri Ucan	13:10	15:10

<b>Recommendations and Closing Ceremony</b> <a href="#">Link for attendance (ZOOM)</a> , ( <a href="#">Click here</a> ). Meeting ID: 894 4274 3209 Passcode: 612847			13:30	15:30

**Note:** All sessions will be recorded, and they will be available at [i3cat.org](http://i3cat.org)