

**University of Information Technology and Communications
with partnership of Al-Mustaqbal University College
hold the 4th international scientific virtual conference
"NEW TRENDS IN INFORMATION TECHNOLOGY AND
COMMUNICATIONS APPLICATIONS 2020 (NTICT'2020)"
which is sponsored by the German publisher (Springer)
15 June 2020**

Opening Ceremony Coordinator: Dr. Thaker Nayl

NO.	Open Ceremony	Name	Time
1	Al- Quran Al-Kareem		
2	The Iraqi National Anthem		
3	Welcome Speech (MoHE)	Higher Education and Scientific Research	9:00-9:30
4	Welcome Speech (UoITC)	General Chair of NTICT 2020 Prof. Abbas M. Al-Bakry (Ph. D)	
5	documentary Film about UoITC		9:30-9:35
6	Everyone should learn a little about Machine Learning and AI.	Keynote Speaker Prof. Scott Turner (Ph. D) (University of Northampton, UK)	9:35-9:55
7	New Communications Technology and Problems of Cryptography.	Keynote speaker Prof. Shamil Ishmukhametov (Ph. D) (Kazan Federal University, Russia)	9:55-10:15

First Session: Artificial Intelligence and Machine Learning

Time: 10:15-1:15

Coordinator: Assistant Prof. Suha Mohammed Hadi (Ph. D)

No.	Article Title	Authors	Time
1	Fall Detection in Supportive Home Environment Elderly Living Alone	Keynote Speaker Dr. Hammadi Nait-Charif (Bournemouth University, UK)	10:15-10:35
2	A Developed Cloud Security Cryptosystem using Minhash Technique	1-Mehdi Ebady Manna 2-Rasha Hussein Jwdha	10:35-10:55
3	Breast Cancer Recognition by Computer Aided Based on Improved Fuzzy c-mean and ANN	1-Zahraa Faisal 2-Nidhal K. El-Abbadi	10:55-11:15
4	Digitally Modulated Signal Recognition based on Feature Extraction Optimization and Random Forest Classifier	1- Batool Abd Alhadi 2-Taha Mohammed Hasan 3- Hadi Athab Hamed	11:15-11:35

5	Churners Prediction using Relational Classifier Based on Mining the Social Network Connection Structure	1-Asia Mahdi Naser Alzubaidi 2-Eman Salih Al- Shamery	11:35-11:55
6	Analysis of Hollywood's Film Production using Background Subtraction Visual Activity Index Based on Computer Vision Algorithm	1-Kristian Dokic 2-Dubravka Mandusic 3-Lucija Blaskovic	11:55-12:15
7	The Impact of Rule Evaluation Metrics as A conflict Resolution Strategy	1-Safaa O. Al-Mamory 2-Ali H. Al-Shakarchi 3-Nabeel Al-A'araji	12:15-12:35
8	Parallel genetic algorithm for optimizing compiler sequences ordering	1-Manal H. Almohammed 2-Ahmed B. M. Fanfakh 3-Esraa H. Alwan	12:35-12:55
9	Using Machine Learning to Predict the Sequences of Optimization Passes	1-Laith H. Alhasnawy 2-Esraa H. Alwan 3-Ahmed B. M. Fanfakh	12:55-1:15

First Session: Computer Network and Security

Time: 10:15-12:35

Coordinator: Assist. Prof. Intisar Al-Mejibli (Ph. D)

No.	Article Title	Authors	Time
1	Real-Time Monitoring of Foot and Mouth Disease (FMD) in Africa Employing Wireless Sensor Network	Keynote Speaker: Prof. Abid Yahya (Ph. D) (Botswana International University of Science and Technology, Malaysia)	10:15-10:35
2	Latency Evaluation of an SDN Controlled by Flowvisor and Two Heterogeneous Controllers	1-Zainab AL-Badrany 2-Mohammed Basheer Al-Somaidai	10:35-10:55
3	Energy-efficient Particle Swarm Optimization for Lifetime Coverage Prolongation in Wireless Sensor Networks	1-Ali Kadhum Idrees 2-Safaa O. Al-Mamory	10:55-11:15
4	Policing Based Traffic Engineering Fast ReRoute in SD-WAN Architectures: Approach Development and Investigation	1-Oleksandr Lemeshko 2-Oleksandra Yeremenko 3-Ahmad M. Hailan 4-Maryna Yevdokymenko 5-Anastasiia Shapovalova	11:15-11:35
5	Performance comparison between Traditional network and broadcast cognitive Radio Networks using Idle Probability	1-Sarab K. Mahmood 2-Basma N. Nadhim	11:35-11:55
6	Cryptographic-based scheme for document matching	1-Ayad I. Abdulsada 2-Duaa F. Najem	11:55-12:15
7	Optimizing Energy in Cooperative Sensing Cognitive Radios	1-Temitope Fajemilehin 2-Abid Yahya 3-Jaafar A. Aldhaibani 4-Kibet Langat	12:15-12:35

Break Time 1:15-1:30

Second Session: Artificial Intelligence and Machine Learning**Time: 1:45-3:45****Coordinator: Dr. Mohammed Fadhil**

No.	Article Title	Authors	Time
1	An Application of Machine Learning Methods: Electronic Design Automation Case Study	Keynote Speaker: Dr. Sergey Mosin (Kazan Federal University, Russia)	1:30-1:50
2	Brain Computer Interface enhancements Based on Stones Blind Source Separation and Naive Bayes Classifier	1-Zainab Kadham Abass 2-Taha Mohammed Hasan 3-Ahmed Kareem Abdullah	1:50-2:10
3	A Proposed Method for Feature Extraction to Enhance Classification Algorithms Performance	1-Ayser Hassoni 2-Mohammed Abdullah Naser 3-Safaa O. Al-Mamory	2:10-2:30
4	Heart Disease Prediction System using Optimization Techniques	1-Namariq Ayad Saeed 2-Ziyad Tariq Mustafa Al-Ta'i	2:30-2:50
5	Real-Time Sickle Cell Anemia Diagnosis Based Hardware Accelerator	1-Mohammed A. Fadhel 2-Omran Al-Shamma 3-Laith Alzubaidi 4-Sameer Razzaq Olewi	2:50-3:10
6	Iris Recognition Using Localized Zernike Features with Partial Iris Pattern	1-Sinan A. Naji 2-Robert Tornai 3-Jasim H. Lafta 4- Hussein L. Hussein	3:10-3:30

Recommendations: 3:30-3:50