

## ICACIN 2020 Program and Paper Presentation Schedule

Day 1: Monday, 13 <sup>th</sup> April, 2020	
8:00 am - 8:10 am <b>(GMT time)</b>	Doa'a Recitation
8:10 am - 8:20 am	Welcoming speech by <i>Dr. Mohammed Errais</i> , the ICACIN 2020 General Co-Chair
8:20 am - 8:30 am	Welcoming speech by <i>Dr. Faisal Saeed</i> , the ICACIN 2020 General Co-Chair
8:30am – 8:40 am	Speech and officially opening ICACIN 2020 by <i>Prof. Saddiqi Omar</i> , Honorary ICACIN 2020 Chair
8:40am–9:20 am	Keynote Speech I: <b>Dr. Mufti Mahmud</b> , Nottingham Trent University, UK  Title: Artificial Intelligence in Healthcare and Rehabilitation
9:20am – 9:30 am	Tutorial I: <b>Dr. BENDRISS El Mehdi</b> , Pro IT, Morocco  Title: Introduction to Windows Buffer Overflow (Less Theory More Practice)
9:50am– 10:30am	Keynote Speech II: <i>Prof. Omar Cherkaoui</i> , University of Quebec in Montreal, Canada
<b>Session I: 10:45 am – 1:00 pm (GMT time)</b>	
<b>Internet of Things and Smart Cities</b>	
10:45 pm – 11:00 am	<b>Internet of Things Industry 4.0 Ecosystem based on Zigbee Protocol</b> Hamza ZEMRANE, Youssef BADDI, and Abderrahim HASBI
11:00 am - 11:15 am	<b>IOT search engines: Study of data collection methods</b> Fatima Zahra Fagroud, El Habib Ben Lahmar, Hicham Toumi, Khadija Achtaich1, Sanaa El Filali
11:15 am - 11:30 am	<b>An Agent-Based Architecture Using Deep Reinforcement Learning for the Intelligent Internet of Things Applications</b> Dhouha Ben Noureddine, Moez Krichen, Seifeddine Mechti, Tarik Nahhal, and Wilfried Yves Hamilton Adoni

11:30 am – 11:45 am	<p><b>Towards a Monitoring System based on IoT Devices for Smart Buildings</b></p> <p>Loubna Elhaloui, Sanaa Elfilali, Mohamed Tabaa, El habib Benlahmer</p>
11:45 am – 12:00 pm	<p><b>10Gbps MMW UFMC based backhaul with FiWi access network</b></p> <p>Abdulaziz Mohammed A. Al-hetar and Abdunasser Abdulgaleel A. Abdulgabar</p>
12:00 pm – 12:15 pm	<p><b>Toward a real-time picking errors prevention system based on RFID technology</b></p> <p>Mandar El Mehdi, Wafaa Dachry, and Bahloul Bensassi</p>
12:15 pm – 12:30 pm	<p><b>UAV Modular Control Architecture</b></p> <p>IDALENE Asmaa and BOUKHDIR Khalid1 MEDROMI Hicham</p>
12:30 pm – 12:45 pm	<p><b>Trust in IoT Systems: A Vision on the Current Issues, Challenges, and Recommended Solutions</b></p> <p>Hanan Aldowah, Shafiq Ul Rehman, and Irfan Umar</p>
12:45 pm – 1:00 pm	<p><b>Review on Common IoT Communication Technologies for Both Long Rang Network (LPWAN) and Short Rang Network</b></p> <p>Abdullah Ahmed Bahashwan, Mohammed Anbar, Nibras Abdullah, Tawfik Al-Hadhrami and Sabri M. Hanshi</p>
<b>Session II: 2:00 pm – 6:00 pm (GMT time)</b>	
<b>Artificial Intelligence and Data Science</b>	
2:00 pm – 2:15 pm	<p><b>Optimization of a Similarity Performance on Bounded Content of Motion Histogram by Using Distributed Model</b></p> <p>El Mehdi Saoudi, Abderrahmane Adoui el Ouadrhiri, Said Jai Andaloussi and Ouail Ouchetto</p>
2:15 pm - 2:30 pm	<p><b>Critical Information Infrastructure Protection Requirement for the Malaysia Public Sector</b></p> <p>Saiful Bahari Mohd Sabtu and Kamaruddin Malik Mohamad</p>
2:30 pm - 2:45 pm	<p><b>A zero-knowledge identification scheme based on the discrete logarithm problem and elliptic curves</b></p> <p>Salma Ezziri and Omar Khadir</p>

2:45 pm - 3:00 pm	<p><b>SMOTE-ENN Based Data Sampling and Improved Dynamic Ensemble Selection for Imbalanced Medical Data Classification</b></p> <p>Mouna Lamari, Nabiha Azizi, Nacer Eddine Hammami, Assia Boukhamla, Soraya Cheriguene, Najdette Dendani and Nacer Eddine Benzebouchi</p>
3:00 pm - 3:15 pm	<p><b>Evaluation of Several Artificial Intelligence and Machine Learning Algorithms for Image Classification on Small Datasets</b></p> <p>Rim Koulali, Hajar Zaidani and Maryeme Zaim</p>
3:15 pm - 3:30 pm	<p><b>Yemeni Paper Currency Recognition System Using Deep Learning Approach</b></p> <p>Abdulfattah E. Ba Alawi, Ahmed Y. A. Saeed, Burhan T. Al-Zekri, Borhan M. N. Radman, Alaa A. Saif, Maged Alshami, Ahmed Alshadadi, Muneef A. Mohammad, Ala'a M. Mohammed, Osama Y. A. Saeed and Adeb M. Saeed</p>
3:30 pm - 3:45 pm	<p><b>Tuning Hyper-Parameters of Machine Learning Methods for Improving the Detection of Hate Speech</b></p> <p>Faisal Saeed, Mohammed Al-Sarem, Waseem Al-Romema</p>
3:45 pm - 4:00 pm	<p><b>Performance Comparison of Machine Learning Techniques in Identifying Dementia from Open Access Clinical Datasets</b></p> <p>Yunus Miah, Chowdhury Nazia Enam Prima, Sharmeen Jahan Seema, Mufti Mahmud and M Shamim Kaiser</p>
<b>Information Security</b>	
4:00 pm - 4:15 pm	<p><b>An Overview of Blockchain Consensus Algorithms: Comparison, Challenges and Future Directions</b></p> <p>Kebira AZBEG, Ouail OUCHETTO, Said JAI ANDALOUSSI, Laila FETJAH</p>
4:15 pm - 4:30 pm	<p><b>Automatic Detection of Diabetic Retinopathy using Custom CNN and Grad-CAM</b></p> <p>Othmane Daanouni, Bouchaib Cherradi and Amal Tmiri</p>
4:30 pm - 4:45 pm	<p><b>Experimental Evaluation of the obfuscation Techniques against Reverse Engineering</b></p> <p>Mohammed H. BinShamlan, Alawi S. Alaidaroos, Mansoor H. BinMerdhah, Mohammed A. Bamatraf and Adnan A. Zain</p>

4:45 pm - 5:00 pm	<b>PassGAN for Honeywords: Evaluating the Defender and the Attacker Strategies</b> Muhammad Ali Fauzi, Bian Yang, and Edlira Martiri
5:00 pm - 5:15 pm	<b>Measuring the Influence of Methods to Raise the E-Awareness of Cyber Security for Medina Region Employees</b> Mahmood Abdulghani Alharbe
5:15 pm – 5:30 pm	<b>An improvement of the Cryptographical Implementation of Coppersmith’s Method</b> Sohaib MOUSSAID EL IDRISSE and Omar KHADIR
5:30 pm - 5: 45 pm	<b>A Conceptual Model for Dynamic Access Control in Hadoop Ecosystem</b> Hafsa Ait idar, Hicham Belhadaoui, and Reda Filali
5: 45 pm – 6:00 pm	<b>Towards a Blockchain and Smart Contracts-Based Privacy Framework for Decentralised Data Processing</b> Marc Gallofré, Abdo Ali Al-Wosabi, and Tareq Al-Moslmi

<b>Day 2: Tuesday, 14<sup>th</sup> April, 2020</b>	
8:00 am - 8:30 am	<b>Keynote Speech III</b> <b>Dr. Fuad A. Ghaleb, Universiti Teknologi Malaysia</b>  <b>Title:</b> How Artificial Intelligence, Data Science and Technology fight COVID19 Pandemic
8:30 am - 9:00 am	Tutorial II Prof. BEN LAHMAR El Habib, Hassan II University, Morocco
<b>Session I: 9:00 am – 10:45 am (GMT time)</b>	
<b>Cloud Computing and Networking</b>	
9:00 am – 9:15 am	<b>VOIP in MANETs based on the Routing Protocols OLSR and TORA</b> Hamza ZEMRANE, Youssef BADDI, and Abderrahim HASBI
9:15 am – 9:30 am	<b>A Survey on Network on Chip Routing Algorithms Criteria</b> Muhammad Kaleem and Ismail Fauzi Bin Isnin

9:30 am – 9:45 am	<p><b>Modeling and Developing a Geomatics Solution for the Management of Sanitation Networks in Urban Areas: A case study of El Fida District of Greater Casablanca</b></p> <p>EL Bennani Kaoutar, Mouncif Hicham and Bachaoui EL Mostafa</p>
9:45 am – 10:00 am	<p><b>Networked expertise based on Multi-Agent Systems and Ontology Design</b></p> <p>CHEMLAL Yman, ELHADDADI Anass</p>
10:00 am – 10:15 am	<p><b>Overview of mobility management in autonomous and centralized WI-FI architecture</b></p> <p>SOUNNI Hind, ELKAMOUN Najib, and LAKRAMI Fatima</p>
10:15 am - 10:30 am	<p><b>Wireless Technologies and applications for Industrial Internet of Things: A Review</b></p> <p>Nisrine Bahri, Safa Saadaoui, Mohamed Tabaa , Mohamed Sadik, and Hicham Medromi</p>
10:30 am - 10:45 am	<p><b>Prediction of diabetes using Hidden Naïve Bayes: comparative study</b></p> <p>Bassam Abdo Al-Hameli1, AbdulRahman A. Alsewari, Mohammed Alsarem</p>

<b>Session II: 11:00 am - 1:00 pm (GMT time)</b>	
<b>Cloud Computing and Networking</b>	
11:00 am - 11:15 am	<p><b>SDNStat-Sec: A Statistical Defense Mechanism Against DDoS Attacks in in SDN-based VANET</b></p> <p>Faycal Bensalah, Najib Elkamoun, Youssef Baddi</p>
11:15 am - 11:30 am	<p><b>Smart Expiry Food Tracking System</b></p>

	Haneen A. Almurashi, Bushra Sayed, Ma'ab Khalid and Rahma Bouaziz1 Kammoun
11:30 am - 11:45 am	<b>Toward a real-time personal protective equipment compliance control system based on RFID technology</b> Mandar El Mehdi, Wafaa Dachry, and Bahloul Bensassi
11:45 am - 12:00 am	<b>Outer Weighted Graph Coloring Strategy to Mitigate the Problem of Pilot Contamination in Massive MIMO systems</b> Abdelfettah BELHABIB, Mohamed BOULOIRD, and Moha M'Rabet HASSANI
12:00 am - 12:15 pm	<b>Ensemble Feature Selection Method Based on Bio-Inspired Algorithms for Multi-objective Classification Problem</b> Mohammad Aizat Basir, Mohamed Saifullah Hussin and Yuhanis Yusof
12:15 pm - 12:30 pm	<b>GPU Parallelization for Accelerating 3D Primitive Equations of Ocean Modelling</b> Abdullah Aysh Dahawi, Norma Binti Alias, Amidora Idris
12:30 pm - 12:45 pm	<b>Comparative study on random traveling wave pulse-coupled oscillator algorithm of energy-efficient wireless sensor networks</b> Zeyad Ghaleb Al-Mekhlafi, Jalawi Alshudukhi, and Khalil Almekhlafi
12:45 pm - 1:00 pm	<b>Managing the Smart Grid in Free Market</b> Rim Marah, Inssaf El Guabassi, Sanae Larioui and Mohammed Abakkali

<b>Session III: 2:00 pm -6:00 pm (GMT time)</b>	
<b>Big Data Analytics</b>	
2:00 pm – 2:15 pm	<b>Clustering analysis to improve web search ranking Using PCA and RMSE</b>

	Mohammed A. Ko'adan, Dr .Mohammed A. Bamatraf and Dr. Khalid Q. Shafal
2:15 pm - 2:30 pm	<b>A Parallel Global TFIDF Feature Selection using Hadoop for Big Data Text Classification</b> Houda Amazal, Mohammed Ramdani and Mohamed Kissi
2:30 pm - 2:45 am	<b>Robust and Accurate Method for Textual Information Extraction over Video Frames</b> Soundes Belkacem and Larbi Guezouli
2:45 pm - 3:00 pm	<b>A Deep Learning Architecture for Profile Enrichment and Content Recommendation</b> Fatiha SADOUKI and Samir KECHID
3:00 pm - 3:15 pm	<b>Predictive Data Analysis Model for Employee Satisfaction Using ML Algorithms</b> Madara Pratt, Mohcine Boudhane and Sarma Cakula
3:15 pm- 3:30 pm	<b>A Novel Approach for Big Data Monetization as a Service</b> Abou Zakaria Faroukhi, Imane El Alaoui, Youssef Gahi, and Aouatif Amine
3:30 pm - 3:45 pm	<b>A Comprehensive Study of Dissemination and Data Retrieval in Secure VANET-Cloud Environment</b> M. A. Al-Shabi
<b>Big Data Analytics II</b>	
3:45 pm - 4:00 pm	<b>Automated Binary Classification of Diabetic Retinopathy by Convolutional Neural Networks</b> Ayoub Skouta, Elmoufidi Abdelali, Said Jai-Andaloussi, Ouail Ouchetto
4:00 pm – 4:15 pm	<b>Feature Selection and Classification using CatBoost Method for Improving the Performance of Predicting Parkinson's Disease</b> Mohammed Al-Sarem, Faisal Saeed, Wadii Boulila, Abdel Hamid Emara, Muhannad Al-Mohaimed and Mohammed Errais
4:15 pm - 4:30 pm	<b>Lean 4.0, Six Sigma-Big Data towards Future Industrial Opportunities and Challenges: a Literature Review</b> Hanane RIFQI, Abdellah ZAMMA and Souad BEN SOUDA

4:30 pm - 4:45 pm	<p><b>Fog Computing in the Age of Big Healthcare Data: Powering the Medical Internet of Things</b></p> <p>Hayat KHALOUFI, Karim ABOUELMEHDI, and Abederrahim BENI-HSSANE</p>
4:45 pm - 5:00 pm	<p><b>Visual vehicles tracking via deep learning and particle filter</b></p> <p>Hamd Ait Abdelali, Omar Bourja, Rajae Haouari, Hatim Derrouz, Yahya Zennayi, François Bourzex and Rachid Oulad Haj Thami</p>
5:00 pm - 5:15 pm	<p><b>Towards Data Warehouse Modeling in the Context of Big Data</b></p> <p>DAHAOUI Fatimaez.zahra, DEMRAOUI Lamiae, CHBIHI LOUHDI Mohammed Reda, BEHJA Hicham</p>
5:15 pm - 5:30 pm	<p><b>Impact of Inspirational Motivation on Organizational Innovation (Administrative Innovation, Process Innovation, and Product Innovation)</b></p> <p>Ali Ameen, Sultan ALSHAMSI , Osama Isaac , Nadhmi A. Gazem, Fathey Mohammed</p>
5:30 pm - 5:45 pm	<p><b>An Haptic Display for Visually Impaired Pedestrian Navigation</b></p> <p>Sara Faisal Alzighaibi, Rahma Bouaziz and Slim Kammoun</p>
5:45 pm -6:00 pm	<p><b>Towards to Autonomous Broker for Virtual Network Provisioning and Monitoring</b></p> <p>Mohammed Errais, Mostafa Bellafkih and Mohammed Al Sarem</p>