# Conference Program & Presentation Schedule

## Day 1: Monday, 24th May, 2021

**Zoom Meeting ID:** 832 2599 8622  
**Zoom Passcode:** ICACIn21

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:00 am - 8:10 am</td>
<td>Doa’a Recitation</td>
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<tr>
<td>8:10 am - 8:20 am</td>
<td>Welcoming speech by Dr. Mohammed Errais, the ICACIN 2021 General Co-Chair</td>
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<tr>
<td>8:20 am - 8:30 am</td>
<td>Welcoming speech by Dr. Faisal Saeed, the ICACIN 2021 General Co-Chair</td>
</tr>
<tr>
<td>8:30 am – 8:50 am</td>
<td>Speech and officially opening ICACIN 2021 by Prof. Saddiqi Omar, Honorary ICACIN 2021 Chair</td>
</tr>
</tbody>
</table>
| 8:50 am – 9:30 am   | Keynote Speech I: Prof. David Brown, Nottingham Trend University, United Kingdom  
**Title:** Using machine learning to predict and diffuse meltdown events in students with autism  |
| 9:30 am – 10:10 am  | Keynote Speech II: Prof Mohamed Younis, University of Maryland Baltimore County, United States  
**Title:** iRoad: Internet of Radio-equipped On-road and Vehicles-carried Agile Devices  |
| 10:10 am – 10:50 am | Keynote Speech III: Prof. Ts. Dr. Ali Selamat, Universiti Teknologi Malaysia, Malaysia  
**Title:** Recent research on detection of vulnerable plaque in virtual histology intravascular ultrasound images using machine learning algorithms |
| 10:50 am – 11:00 am | Break                                                     |

## Session I: 11:00 am – 1:15 pm (GMT time)

**Zoom Meeting ID:** 832 2599 8622  
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### Artificial Intelligence I

<table>
<thead>
<tr>
<th>Time</th>
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</table>
| 11:00 pm – 11:15 am | Adaptive Learning Content based on Learning Styles in Learning Management System  
E.H Lim, Koo Yuen Phan, Tien Fui Yong, Yin Ping Yeck, Manoranjitham Muniandy and Anbuselvan Sangodiah |
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</thead>
</table>
| 11:15 am - 11:30 am | A model-based approach for COVID-19 propagation  
Abdeltif Elbyed, Isaac Doku, Tarik Nahhal and Adoni Wilfried Yves Hamilton |
| 11:30 am - 11:45 am | Numerical modeling of the mechanical behavior of recycled flexible PVC loaded with different percentages of chicken feathers  
Abdelghani Lakhdar, Aziz Moumen, Zineb Laabid and Khalifa Mansouri |
| 11:45 am – 12:00 pm | Covid-19 detection from Pneumonia image classification using Deep Learning  
Abdeltif Elbyed and Mikhaël Presley Kibinda-Moukengue |
| 12:00 pm – 12:15 pm | COVID-19 Infected Regions segmentation in Lung CT Images based on Deep Learning and Bidimensional Empirical Mode Decomposition  
Said Jai Andaloussi and Ouail Ouchetto |
| 12:15 pm – 12:30 pm | Towards the Prediction of the Elasticity of Bio Loaded Polypropylene Using the Artificial Neural Networks  
Zineb Laabid, Aziz Moumen, Abdelghani Lakhdar and Khalifa Mansouri |
| 12:30 pm – 12:45 pm | Post covid-19: Deep image processing AI to analyze social distancing in a human community  
Francis Class-Peters, Wilfried Yves Hamilton Adoni, Nahhal Tarik, Abdeltif Elbyed, Moez Krichen, Charles Kimpolo and Franck Kalala Mutombo |
| 12:45 pm – 1:00 pm | Design and implementation of ImALEG serious game: Behavior of Non-Playable Characters (NPC)  
Yassine Tazouti, Siham Boulaknadel and Youssef Fakhri |
| 1:00 pm – 1:15 pm | DETECTION OF PERSONALITY TRAITS THROUGH HANDWRITING ANALYSIS USING MACHINE LEARNING APPROACH  
Sajeevan Srikumar and Wiraj Udara Wickramaarachchi |

**Session II: 2:00 pm – 5:30 pm (GMT time)**

**Zoom Meeting ID: 832 2599 8622**

**Zoom Passcode: ICACIn21**

**Data Science**

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</table>
| 2:00 pm – 2:15 pm | Data Analytics Model for Home Improvement Store  
Jia Yeng Lim, Mohd Norshahriel Abd Rani and Nabilah Filzah Mohd Radzuan |
<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speakers</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:15 pm - 2:30 pm</td>
<td>Intelligent Models for Mining Social Media Data</td>
<td>Sultan Albloushi, Mohamedammar Alnuaimi, Omran Alhosani, Hassan Ali Ali, Khalid Almarashda and Sanaa Elyassami</td>
</tr>
<tr>
<td>2:30 pm - 2:45 pm</td>
<td>A comparative study of Alzheimer disease stage classification with Transfer Learning</td>
<td>Tariq Saeed</td>
</tr>
<tr>
<td>2:45 pm - 3:00 pm</td>
<td>Designing an Arabic Google Play Store User Review Dataset for Detecting App Requirement Issues</td>
<td>Maha Alshamani, Mohammed Al-Sarem, Faisal Saeed and Wafa'A Almutairi</td>
</tr>
<tr>
<td>3:00 pm - 3:15 pm</td>
<td>A Survey of Machine Learning and Deep Learning Applications in Genome Editing</td>
<td>Talal Almutiri, Faisal Saeed and Manar Alassaf</td>
</tr>
<tr>
<td>3:15 pm - 3:30 pm</td>
<td>Educational Data Mining techniques for detecting undesirable students’ behaviors and predicting students’ performance: A comparative study</td>
<td>Imane El Mourabit, Said Jai Andaloussi and Noreddine Abghour</td>
</tr>
<tr>
<td>3:30 pm - 3:45 pm</td>
<td>COVID-19: Analysis and measurement of the influence of the tweets to helping the public health sector to fight Coronavirus</td>
<td>Abdessamad Essaidi, Dounia Zaidouni and Mostafa Bellafkih</td>
</tr>
<tr>
<td>3:45 pm – 4:00 pm</td>
<td>Predicting the e-signing likelihood of loan using machine learning models combining clustering with supervised learning</td>
<td>Abdellatif Aattouf, Said El Kafhali and Youssef Saadi</td>
</tr>
<tr>
<td>4:00 pm – 4:15 pm</td>
<td>Hybrid Students’ Academic Performance and Dropout Prediction Models Using Recursive Feature Elimination Technique</td>
<td>Moshood Alarape, Ahmed Ameen and Kayode Adewole</td>
</tr>
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Cloud computing & Networking

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speakers</th>
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<tbody>
<tr>
<td>4:15 pm - 4:30 pm</td>
<td>Adoption of Docker Containers as an Infrastructure for Deploying Software Applications: a review</td>
<td>W.M.C.J.T. Kithuwlwatta, Wiraj Udara Wickramaarachchi, Kpn Jayasena, Btgs Kumara and Rmkt Rathnayaka</td>
</tr>
<tr>
<td>4:30 pm - 4:45 pm</td>
<td>A Parallel Genetic Algorithm for solving the Vehicle Routing Problem with Drone medication delivery</td>
<td>Ouiiss Mustapha, Ettaoufik Abdelaziz, Marzak Abdelaziz and Tragha Abderrahim</td>
</tr>
<tr>
<td>Time</td>
<td>Event</td>
<td>Speaker(s)</td>
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<tr>
<td>4:45 pm - 5:00 pm</td>
<td>Review on Blockchain &amp; Access Control Systems</td>
<td>Mohamed Anass Amallah and Noreddine Abghour</td>
</tr>
<tr>
<td>5:00 pm - 5:15 pm</td>
<td>Routing and charging of electric vehicles: Overview</td>
<td>Meriem Abid and Mohamed Tabaa</td>
</tr>
<tr>
<td>5:15 pm – 5:30 pm</td>
<td>Study of the impact of the profoundness of tunnel in the context of transition from IPv4 to IPv6 at the local, regional, and national levels.</td>
<td>Dounia El Idrissi, Najib Elkamuon and Rachid Hilal</td>
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</tbody>
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**Day 2: Tuesday, 25th May, 2021**

**Zoom Meeting ID 849 6754 6258**
**Zoom Passcode: ICACIn21**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 am - 8:40 am (GMT time)</td>
<td>Keynote Speech IV &lt;br&gt; <strong>Prof. Salil Kanhere, The University of New South Wales, Australia</strong> &lt;br&gt; <strong>Title: Who Are You? New Approaches for Authentication in Smart Spaces</strong></td>
<td></td>
</tr>
<tr>
<td>8:40 am - 9:20 am</td>
<td>Keynote Speech V &lt;br&gt; <strong>Prof. Wadee Alhalabi, King Abdulaziz University, Saudi Arabia</strong> &lt;br&gt; <strong>Title: Virtual Reality in Health Applications</strong></td>
<td></td>
</tr>
<tr>
<td>9:20 am – 9:30 am</td>
<td>Break</td>
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**Session I: 9:30 am – 11:00 am (GMT time)**

**Zoom Meeting ID 849 6754 6258**
**Zoom Passcode: ICACIn21**

**Artificial Intelligence II**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:30 am - 9:45 am</td>
<td>A Face Mask Detection System Based on Deep Learning Convolutional Neural Networks</td>
<td>Pierre Stanislas Birame Ndong, Wilfried Yves Hamilton Adoni, Nahhal Tarik, Abdeltif Elbyed, Moez Krichen, Charles Kimpolo and Franck Kalala Mutombo</td>
</tr>
<tr>
<td>9:45 am – 10:00 am</td>
<td>Implementing Weka deep learning algorithm for detecting COVID-19 cases using extracted features from XCR and chest CT images</td>
<td>Anmar Abuhamdah, Ghaith Jaradat and Mutasem Al-Smadi</td>
</tr>
<tr>
<td>Time</td>
<td>Topic</td>
<td>Authors/Details</td>
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<tr>
<td>10:00 am - 10:15 am</td>
<td>Performance comparison of K-Nearest Neighbor, Random Forest, and Multiple Linear Regression to predict photovoltaic panels' power output</td>
<td>Souhaila Chahboun and Mohamed Maaroufi</td>
</tr>
<tr>
<td>10:15 am - 10:30 am</td>
<td>Voting Classifier-based Intrusion Detection for IoT Networks</td>
<td>Muhammad Almas Khan, Muazzam A Khan, Shahid Latif, Awais Aziz Shah, Mujeeb Ur Rehman, Wadii Boulila, Maha Driss and Jawad Ahmad</td>
</tr>
<tr>
<td>10:30 am - 10:45 am</td>
<td>Glazing’s Potential Energy Savings for Green Buildings</td>
<td>Badr Chegari, Mohamed Tabaa, Emmanuel Simeu, Fouad Moutaouakkil and Hicham Medromi</td>
</tr>
<tr>
<td>10:45 am – 11:00 am</td>
<td>Regeneration a Graphical User Interface Using Deep Learning</td>
<td>Cheddi Fatima, Ahmed Tahiri and Mohammed Serrhini</td>
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**Session II: 11:00 am - 12:30 pm (GMT time)**

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**Information Security**

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<thead>
<tr>
<th>Time</th>
<th>Topic</th>
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<tbody>
<tr>
<td>11:00 am – 11:15 am</td>
<td>A Review of Blockchain and the Benefits for Digital Marketing-related Applications of Blockchain Integration</td>
<td>Abirou Mouhssine and Abghour Nourednine</td>
</tr>
<tr>
<td>11:15 am – 11:30 am</td>
<td>Secure Remote Workplace 4EM model</td>
<td>Sarma Cakula</td>
</tr>
<tr>
<td>11:30 am – 11:45 am</td>
<td>Review in Authentication for Mobile Ad hoc Network</td>
<td>Hafida Khalifaoui</td>
</tr>
<tr>
<td>11:45 am – 12:00 pm</td>
<td>A Panoramic Evaluation of Machine Learning and Deep Learning Aided Ransomware Detection Tools Using a Hybrid Cluster of Rich Smartphone Traits</td>
<td>Hiba Zuhair</td>
</tr>
<tr>
<td>12:00 pm – 12:15 pm</td>
<td>A Big Data driven model for secured systems: A Blockchain-based architecture for Cloud Computing and IoT security</td>
<td>Ndayikengurukiye Aristide, Omary Fouzia and Abderrahmane Ez-Zahout</td>
</tr>
<tr>
<td>12:15 pm – 12:30 pm</td>
<td>Hybrid Filter and Wrapper Feature Selection Method for Enhancing Detection Process of Phishing Websites</td>
<td>Wafa‘A Almutairi, Faisal Saeed, Mohammed Al-Sarem and Maha Alshamani</td>
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</table>
### Session III: 1:00 pm - 3:30 pm (GMT time)

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**Internet of Things**

<table>
<thead>
<tr>
<th>Time</th>
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| 1:00 pm – 1:15 pm | E-Business as Business Continuity plan in the Duration of Covid-19: The Business Case of Saudi Arabia  
Eman Alahsnqiti, Alzahraa Alsharif, Maha Alshamani and Abdelrahman Karrar |
| 1:15 pm – 1:30 pm | Heuristic methods for the container stacking problems: A review  
Farah Al Kaderi, Koulali Rim and Mohamed Rida |
| 1:30 pm – 1:45 pm | A Smart Power Grid architecture for microneighborhood based on Green IoT  
Asmae Chakir, Mohamed Tabaa, Fouad Moutaouakkil, Hicham Medromi and Karim Alami |
| 1:45 pm – 2:00 pm | Study of LoRaWAN performance under a noisy industrial channel  
Nisrine Bahri, Mohamed Tabaa, Safa Saadaoui, Mohamed Sadik and Hicham Medromi |
| 2:00 pm – 2:15 pm | Weight Initialization Techniques for Deep Learning Algorithms in Remote Sensing: Recent Trends and Future Perspectives  
Wadii Boulila, Maha Driss, Eman Alshanqiti, Mohamed Al-Sarem, Faisal Saeed and Moez Krichen |
| 2:15 pm – 2:30 pm | Optimization of Wind Farms Based on the Selection of Types of Wind Turbine  
Bellat Abdelouahad, Mansouri Khalifa and Raihani Abdelhadi |
| 2:30 pm – 2:45 pm | Optimization of Noisy Gradient Descent Bit-Flip Decoding for LDPC Codes parameters based on Taguchi method  
Hajar Elouakili, Rachid El Alami, Mehdaoui Youness, Driss Chenouni and Zakia Lakhliai |
| 2:45 pm – 3:00 pm | Deep neural networks hyperparameter optimization using particle swarm optimization for detecting frauds transactions  
Mohammed Tayebi and Said El Kafhali |
| 3:00 pm – 3:15 pm | EmPRM: A novel Multi-agent model for modeling and simulating of electromagnetic waves using Netlogo Platform  
Hamid Bezzout and Hanan El Faylali |
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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>3:30 pm – 3:45 pm</td>
<td>Break</td>
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<tr>
<td>3:45 pm – 4:00 pm</td>
<td>Closing Ceremony</td>
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</table>