



Tenth IEEE International Conference
on Intelligent Computing and Information Systems
Cairo, Egypt December 5-6, 2021
at Triumph Hotel , New Cairo, Cairo, Egypt

iciicis
2021



Scheduled Program (General Map)

Sunday, December 5, 2021

| | |
|--------------------|--|
| 8:30-9:30 | Registration |
| 9:30-10:30 | Opening Ceremony |
| 10:30-11:00 | Coffee Break |
| 11:00-12:00 | Keynote Speech I (KS I) – Imperia Hall Prof. Hassan Abdalla |
| 12:00-1:00 | Keynote Speech II (KS II) - Imperia Hall Prof. Ivan Andonovic |
| 1:00-1:30 | Huawei Speech - Imperia Hall Mr. Amr Zayed, Mr. Quentin Zhang |
| 1:30-2:30 | Lunch |
| 2:30-4:00 | Conference Sessions (CS): Parallel Sessions in Imperia, Louvre 7 and Louvre 8 Halls |
| 4:00-4:30 | Coffee Break |
| 4:30-6:00 | Conference Sessions (CS): Parallel Sessions in Imperia, Louvre 7 and Louvre 8 Halls |

KS: Keynote Speech

CS: Conference Session

| Monday, December 6, 2021 | |
|---------------------------------|---|
| 8:30-9:30 | Registration |
| 9:30-10:30 | Keynote Speech IV (KS IV) - Imperia Hall Prof. Julie Wall |
| 10:30-11:30 | Keynote Speech V (KS V) - Imperia Hall Prof. Cyril Onwubiko |
| 11:30-12:00 | Coffee Break |
| 12:00-1:30 | Conference Sessions: Parallel Sessions in Imperia, Louvre 7 and Louvre 8 Halls |
| 1:30-2:30 | Lunch |
| 2:30-4:00 | Conference Sessions: Parallel Sessions in Imperia, Louvre 7 and Louvre 8 Halls |
| 4:00-4:30 | Coffee Break |
| 4:30-5:30 | Closing Session |

Tenth IEEE International Conference on Intelligent Computing and Information Systems

Conference Venue:

Triumph Hotel New Cairo

Block 19 in front of Qatamyia Heights 5th Settlement, New Cairo City, 11361 Cairo, Egypt

Conference Website: <http://icicis.asu.edu.eg>

ICICIS 2021 Session's Chairs

Sunday, December 5, 2021

| Time | Session | Chairs |
|--------------------|--|---|
| 11:00-12:00 | <i>KS I Imperia Hall</i> | <ul style="list-style-type: none"> - Prof. Mohammed F. Tolba, Ain Shams University. - Prof. Mohamed El-Said Abdo Ghoniemy. - Prof. Nagwa Badr, Ain Shams University. - Prof. Hala Mousher, Ain Shams University. |
| 12:00-1:00 | <i>KS II Imperia Hall</i> | <ul style="list-style-type: none"> - Prof. Ahmed Hamad, Ain Shams University - Prof. Tarek Gharib, Ain Shams University. - Prof. Rasha Ismail, Ain Shams University. |
| 2:30-4:00 | <i>CS 1 Imperia Hall</i> | <ul style="list-style-type: none"> - Prof. Omar Karam, Dean of the Faculty of Informatics and Computer Science, British University in Egypt. - Prof. Iman Sarwit, Cairo University. - Dr. Sherine Rady, Ain Shams University. |
| | <i>CS 3 Louvre 7 Hall</i> | <ul style="list-style-type: none"> - Prof. Mohamed E. Khalifa, Egyptian Chinese University. - Dr. Maryam Nabil, Ain Shams University. - Dr. Walaa Gad, Ain Shams University. |
| | <i>CS 5 Louvre 8 Hall</i> | <ul style="list-style-type: none"> - Prof. Atef Galoash, Rapporteur of the Promotion Committee for Computer and Information Sciences. - Prof. Eman Shaban, Ain Shams University. - Dr. Tamer Mostafa, Ain Shams University - Dr. Karim Emara, Ain Shams University. |
| 4:30-6:00 | <i>CS 2 Imperia Hall</i> | <ul style="list-style-type: none"> - Prof. Aliaa Youssef, Dean of the faculty of computer and information, ASST, Smart Village. - Dr. Safaa Amin, Ain Shams University. Dr. Hanan Hindy, Ain Shams University. |
| | <i>CS 4 Louvre 7 Hall</i> | <ul style="list-style-type: none"> - Prof. Ibrahim El Henawy, Zaggazig University. - Prof. Mohamed Hashem, Ain Shams University. - Dr. Heba Khaled, Ain Shams University. - Dr. Islam Hegazy, Ain Shams University. |
| | <i>CS 6 Louvre 8Hall</i> | <ul style="list-style-type: none"> - Prof. Reda Elkriby, Dean of the faculty of computers and Artificial Intelligence, Cairo University. - Dr. Huda Maghwary, Ain Shams University. - Dr. Nevien Atef, Ain Shams University. |

Monday, December 6, 2021

| Time | Session | Chairs |
|-------------|--------------------------------|--|
| 9:30-10:30 | <i>KS III Imperia Hall</i> | <ul style="list-style-type: none"> - Prof. Abdel-Badeeh M. Salem , Ain Shams University. - Prof. Mohamed Roushdy, Dean of the Faculty of Computers & Information Technology, Future University in Egypt. - Prof. Sherien Mousa, Ain Shams University. |
| 10:30-11:30 | <i>KS VI Imperia Hall</i> | <ul style="list-style-type: none"> - Prof. Mostafa Aref, Ain Shams University. - Prof. Zaki Taha, Ain Shams University. - Dr. Tamer Mostafa, Ain Shams University. |
| 12:00-1:30 | <i>CS 7 Imperia Hall</i> | <ul style="list-style-type: none"> - Prof. El-Sayed M. El-Horbaty, Ain Shams University. - Prof. Mohamed A. M. Salem, German University in Egypt. - Prof. Abeer Mahmoud, Ain Shams University. |
| | <i>CS 9 Louvre 7 Hall</i> | <ul style="list-style-type: none"> - Prof. Ali El-Naem, Ain Shams University. - Dr. Salsabil El-Regaily, Ain Shams University. - Dr. Wedad Hussein, Ain Shams University. |
| | <i>CS 11 Louvre 8 Hall</i> | <ul style="list-style-type: none"> - Prof. Taha El-Areef, Ain Shams University - Dr. Dina Khatab, Ain Shams University - Dr. Sally Saad, Ain Shams University |
| 2:30-4:00 | <i>CS 8 Imperia Hall</i> | <ul style="list-style-type: none"> - Prof. Saied Fadel, Ain Shams University. - Prof. Hwoida Sheeded, Ain Shams University. - Dr. Manal Tantawi, Ain Shams University. |
| | <i>CS 10 Louvre 7 Hall</i> | <ul style="list-style-type: none"> - Prof. Khaled Bahnsy, Al-Obour High Institute for Management & Informatics. - Prof. Mohamed Aouf, Bio medical Engineering, Higher Technological Institute - Dr. Mahmoud Fayez, Ain Shams University. |
| | <i>CS 12 Louvre 8 Hall</i> | <ul style="list-style-type: none"> - Prof. Hassan Ramadan, Ain Shams University. - Dr. Marco Alfons, Ain Shams University. - Dr. Mahmoud Monir, Ain Shams University. |

Scheduled Program (Detailed Map)

| Sunday, December 5, 2021 | |
|--|---|
| 8:30-9:30 | Registration |
| 9:30-10:30 | Opening Ceremony |
| 10:30-11:00 | Coffee Break |
| Keynote Speech I- Imperia Hall Session Chairs: Prof. Mohamed Fahmy Tolba, Prof. Mohamed El-Said Abdo Ghoniemy, Prof. Nagwa Badr, Prof. Hala Mousher | |
| 11:00-12:00 | <i>Speech 1: An Overview of How Disruptive Technologies will Transform our Lives!</i> Prof. Hassan Abdalla BSc MSc PhD CEng PFHEA FRSA, Provost of the University of East London, UK Teaching Excellence Framework (TEF) Panel, UK |
| Keynote Speech II- Imperia Hall Session Chairs: Prof. Ahmed Hamad, Prof. Tarek Gharib, Prof. Rasha Ismail | |
| 12:00-1:00 | <i>Speech 2: Data-driven Machine Learning Precision Livestock Farming Technologies and Applications</i> Prof. Ivan Andonovic, Professor of Broadband Networks, Electronic and Electrical Engineering Department, University of Strathclyde,UK |
| 1:00-1:30 | Mr. Amr Zayed Huawei ICT Academy Executive Director Accelerate the Digital Journey of Higher Education Mr. Quentin Zhang, Vice president of Huawei Egypt Enterprise and Government. |
| 1:30-2:30 | Lunch |
| 2:30-4:00 | Conference Sessions (CS): Parallel Sessions in Imperia, Louvre 7 and Louvre 8 Halls |
| 4:00-4:30 | Coffee Break |
| 4:30-6:00 | Conference Sessions (CS): Parallel Sessions in Imperia, Louvre 7 and Louvre 8 Halls |

ICICIS 2021 Conference Sessions

Sunday, December 5, 2021 - Imperia Hall

| CS 1 - Artificial Intelligence, Multimedia and Data Visualization I | | |
|--|---------------------|---|
| Session Chairs: Prof. Omar Karam, Prof. Iman Sarwit, Dr. Sherine Rady | | |
| 2:30-4:00 | ICICIS2021-7 | <p>Deep Reinforcement Learning based Actor-Critic framework for decision-making actions in production Scheduling</p> <p>Asmaa K. Elsayed; Eman K.Elsayed ; Kamal A Eldahshan</p> |
| | ICICIS2021-9 | <p>Deep Learning Achievements and Oportunities in Domain of Electronic Warfare Applications</p> <p>Mohamed A. Ammar; Mohamed S. Abdel-Latif; khaled Mahmoud Badran ; Hossameldin A. Hassan</p> |
| | ICIAliCIS2021-12 | <p>Astronomical image denoising based on Convolutional Neural Network</p> <p>Ahmed.A.Elhakiem ; Tarek Elsaid Ghoniemy; Gouda I. Salama</p> |
| | ICICIS2021-13 | <p>Review on Real-Time Drone Detection based on Visual Band Electro-Optical (EO) Sensor</p> <p>Mohamed Elsayed; Mohamed Reda; Ahmed S.Mashaly; Ahmed S.Amein</p> |
| | ICICIS2021-14 | <p>An Improved Deep Learning Model for Early Fire and Smoke Detection on Edge Vision Unit</p> <p>Nadeen Shoukry; Farah Ehab; Mohammed A.-M Salem</p> |
| | ICICIS2021-15 | <p>Long-Term Person Re-identification Model with a Strong Feature Extractor</p> <p>Adham Gamal; Nadeen Shoukry; Mohammed A.-M. Salem</p> |
| 4:00-4:30 | Coffee Break | |

Sunday, December 5, 2021 - Imperia Hall

| CS 2 - Artificial Intelligence, Multimedia and Data Visualization II | | |
|---|---------------|--|
| Session Chairs: Prof. Aliaa Youssef, Dr. Safaa Amin, Dr. Hanan Hindy | | |
| 4:30-6:00 | ICICIS2021-16 | Satellite Imagery Road Segmentation Using a Dual Network Approach with Enhancement Blocks Selim Elbindary; Doaa M. A.-Latif; Mohammed A.-M. Salem |
| | ICICIS2021-17 | Multi-limb Split Learning for Tumor Classification on Vertically Distributed Data Omar S. Ads; Mayar M. Alfares; Mohammed A.-M. Salem |
| | ICICIS2021-18 | On Image to 3D Volume Construction for E-Commerce Applications Mohamed Abdelfattah; Mostafa Alaa; Mayar Mohamed; Sama El Baroudy; Rania Reda; Mohammed A.-M. Salem; Slim Abdennadher |
| | ICICIS2021-26 | A Hierarchal Approach for Arabic Phonemes Classification Mona A.Azim ; Wedad Hussein ; Nagwa L. Badr |
| | ICICIS2021-29 | Emulation of Optimized Noise Jamming Impact on the LTE Downlink using SystemVue Gamal H. Shabana; Ehab M. Shaheen; Mohammed Samir |
| | ICICIS2021-33 | GuessWhat?! Game for Goal-Oriented Visual Dialog: A Survey Ghada M. Elshamy; Marco Alfonse; Mostafa M. Aref |

Sunday, December 5, 2021 – Louvre 7 Hall

| CS 3 - Data Science and Knowledge Discovery I | | |
|--|---------------------|---|
| Session Chairs: Prof. Essam Khalifa, Dr. Maryam Nabil, Dr. Walaa Gad | | |
| 2:30-4:00 | ICICIS2021-4 | Multi-Tenant RDBMS Allocation in the Cloud Environment Ahmed E. Abdel Raouf; Alshaimaa Abo-alian; Nagwa L. Badr |
| | ICICIS2021-21 | Unlocking the Public Perception of COVID-19 Vaccination Process on Social Media Reem El-Deeb; Fatma EL-Zahraa El-Gamal; Nehal Sakr; Sara Elhishi |
| | ICICIS2021-31 | An Efficient Community-based Approach for the Influence Maximization Problem in Social Networks Ahmed M. Samir, Sherine Rady; Tarek F. Gharib |
| | ICICIS2021-63 | The Generic Framework of Privacy Preserving Data Mining Phases: Challenges & Future Directions Saad A. Abdelhameed; Sherin M. Moussa; Nagwa L. Badr; M. Essam Khalifa |
| | ICICIS2021-72 | Detecting Needs of People in a Crisis using Transformer-based Question Answering Techniques Esraa Karam; Wedad Hussein; Tarek F. Gharib |
| | ICICIS2021-89 | The Spatiotemporal Data Reduction (STDR): An Adaptive IoT-based Data Reduction Approach Dina F. Mahmoud; Sherin M. Moussa; Nagwa L. Badr |
| 4:00-4:30 | Coffee Break | |

Sunday, December 5, 2021 – Louvre 7 Hall

| CS 4 - Computer Networks, Forensics and Cyber Security | | |
|--|---------------|---|
| Session Chairs: Prof. Ibrahim El-Henawy, Prof. Mohamed Hashem, Dr. Heba Khaled, Dr. Islam Hegazy | | |
| 4:30-5:30 | ICICIS2021-59 | Enhanced Algorithm for Steganography Based on Least Significant Bit and Secret Image Compression Mayar khaled; Ahmed H. Abu El-Atta |
| | ICICIS2021-90 | SALAM Ransomware Behavior Analysis Challenges and Decryption Bahaa Eldin M. Yamany; Marianne A. Azer |
| | ICICIS2021-91 | A Survey on Learning-Based Intrusion Detection Systems for IoT Networks Salma Abdelhamid, Mostafa Aref; Islam Hegazy; Mohamed Roushdy |
| | ICICIS2021-96 | NoSurv: A Framework for Protection against Surveillance Attacks on Mobile Devices Mohamed Dahy; Mohammad El-Ramly; Imane Saroit |

Sunday, December 5, 2021 – Louvre 8 Hall

| CS 5 : Robotics and Embedded Systems Internet of Things, Smart Environments and Pervasive Computing Session Chairs: Prof. Atef Galosh, Prof. Eman Shabban, Dr. Tamer Mostafa, Dr. Kareem Emara | | |
|---|---------------------|---|
| 2:30-4:00 | ICICIS2021-11 | A Proposed Approach to Secure Automated Teller Machine-Based Financial Transactions Omar Hussein |
| | ICICIS2021-30 | Robust Model Integral Predictive Control Design for Reference Tracking Dc Servomechanism Khalil Mohamed Khalil; Ayman Elshenawy |
| | ICICIS2021-52 | Marine Control System Design Based On Different PID Approaches Eslam Nabil Mobarez; karim N mobariz; Mahmoud Mohamed Ashry |
| | ICICIS2021-114 | SHAMS-Smart Hospital Assisting Multitasking System Esraa Tarek Sadek; Moataz Mohammed; Mohamed Essam Mohammad; Mohamed Atef Mohamed; Ahmed Ehab; Ahmed Ragab Abdulghani; Nagwa Badr |
| | ICICIS2021-35 | Internet of Things (IoT) for cardiac patients: A comparative study Salma Mostafa A. Helmy; Marco Alfonse; Ayman Mahmoud Amar; El-Sayed M. El-Horbaty |
| | ICICIS2021-51 | Efficient Bio-Inspired Routing Algorithm for IoT Aya Saad; Islam Hegazy; El Sayed M. El-Horbaty |
| | ICICIS2021-102 | Zero-Day Malware Classification Using Deep Features with Support Vector Machines Rania El-Sayed; Amir El-Ghamry; Tarek Gaber; Aboul Ella Hassanien |
| 4:00-4:30 | Coffee Break | |

Sunday, December 5, 2021 – Louvre 8 Hall

| CS 6 - Software Engineering | | |
|---|---------------|---|
| Session Chairs: Prof. Reda Elkriby, Dr. Huda Maghawry, Dr. Nevien Atef | | |
| 4:30-6:00 | ICICIS2021-6 | Extracting Software Design from Text: A Machine Learning Approach Islam Elmasry; Khaled Wassif; Hanaa Bayomi |
| | ICICIS2021-8 | Model-Based Test Case Generation Approach for Mobile Applications Load Testing using OCL Enhanced Activity Diagrams Amira Ali; Huda Amin Maghawry; Nagwa Badr |
| | ICICIS2021-45 | The DSW Model: An Efficient Approach for Single Web Services Modeling Roaa Elghondakly; Sherin Moussa; Nagwa Badr |
| | ICICIS2021-66 | OntoUML Conceptual Model for Egyptian E-Government: Student and Traveler Case Studies Shaimaa Haridy; Rasha M. Ismail; Nagwa Badr; Mohamed Hashem |
| | ICICIS2021-76 | A Multi-agent Reinforcement Learning Risk Management Model for Distributed Agile Software Projects Rehab Adel; Hany Harb ; Ayman Elshenawy |

ICICIS 2021 Conference Sessions

Monday, December 6, 2021 - Imperia Hall

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|--|--|
| 8:30-9:30 | Registration |
| Keynote Speech III Session Chairs: Prof. Abdel-Badeeh M. Salem, Prof. Mohamed Roushdy, Prof. Sherin Moussa | |
| 9:30-10:30 | <i>Speech 3: A Conversational AI Approach to Detecting Deception and Tackling Insurance Fraud</i> Prof. Julie Wall, Reader in Computer Science, Director of Impact and Innovation for the School of Architecture, Computing and Engineering, University of East London,UK |
| Keynote Speech IV Session Chairs: Prof. Mostafa Aref, Prof. Zaki Taha, Dr. Tamer Mostafa | |
| 10:30-11:30 | <i>Speech 4: Taxonomy of Fraud based on Morphological Analysis and Attribute Listing</i> Prof. Cyril Onwubiko, Director, Enterprise Security Architecture at Pearson; and Distinguished Speaker and Board of Governors of the IEEE Computer Society. Director, Artificial Intelligence, Blockchain and Cyber Security at Research Series Limited, UK |
| 11:30-12:00 | Coffee Break |
| 12:00-1:30 | Conference Sessions: Parallel Sessions in Imperia, Louvre 7 and Louvre 8 Halls |
| 1:30-2:30 | Lunch |
| 2:30-4:00 | Conference Sessions: Parallel Sessions in Imperia, Louvre 7 and Louvre 8 Halls |
| 4:00-4:30 | Coffee Break |
| 4:30-5:30 | Closing Session |

Monday, December 6, 2021 - Imperia Hall

| CS 7 - Artificial Intelligence, Multimedia and Data Visualization III Session Chairs: Prof. El-Sayed M. El-Horbaty, Prof. Mohammed A.-M. Salem, Prof. Abeer Mahmoud | | |
|--|---------------|--|
| 12:00-1:30 | ICICIS2021-37 | Deep Learning Enabling Analysis of Exhaled Breath Using Fourier Transform Spectroscopy in the Mid-Infrared Adham Hesham; Lama Zeyad; Fatma ElZahraa; Amr ElGamal; Passant Mohammed; Mohammad Sakr; Yasser M. Sabry |
| | ICICIS2021-38 | New Adaptive Method to Speed Up Training of Back Propagation Algorithm Elsadek Hussien Ibrahim; Khaled El-Bahnasy; Shaaban Ebrahim Abo-Youssef; Khaled Ahmed Mohamed Fathy |
| | ICICIS2021-41 | Photonic Monte Carlo Analysis and Deep Learning Predicting the Performance of Non-Invasive Glucose Detection Using Compact NIR Spectrometers Karim D. Khalil; Lama Zeyad; Abdullah Maher; Ahmed M. Othman; Yasser M. Sabry |
| | ICICIS2021-42 | Implementation of GANs Using Federated Learning Raghda Ghonima |
| | ICICIS2021-46 | Content-based image Retrieval based on Convolutional Neural Networks Moshira S. Ghaleb; Hala M. Ebied; Howida A. Shedeed; Mohamed F. Tolba |
| | ICICIS2021-49 | Enhanced CNN Architecture for Invasive Ductal Carcinoma Detection in Breast Histopathology Images Magdy Abd-elghany Zeid; Khaled El-Bahnasy; S.E.Abo-youssef |
| | ICICIS2021-55 | Ensemble Model-based Weighted Categorical Cross-entropy Loss for Facial Expression Recognition Ahmed Hesham Mostafa; Hala Abdel-Galil; Mohamed Belal |
| 1:30-2:30 | Lunch | |
| CS 8 - Artificial Intelligence, Multimedia and Data Visualization IV Session Chairs: Prof. Said Fadel, Prof. Hwoida Shedeed, Dr. Manal Tantawi | | |
| 2:30-4:00 | ICICIS2021-57 | An Intelligent Hybrid Text-To-Image Synthesis Model for Generating Realistic Human Faces Razan Bayoumi, Marco Alfonse, Abdel-Badeeh M. Salem |
| | ICICIS2021-65 | Supervised Learning for Negation Scope Detection in Arabic Texts Ahmed Mahan=y; Mohamed M. Fouad; Afnan Aloraini, Heba Khaled; Raheel Nawaz; Naif R. Aljohani; Said Ghoniemy |
| | ICICIS2021-69 | Aspect-based Sentiment Analysis of Mobile Apps Reviews using Class Association Rules and LDA Heba Samy; Abdelmoniem I Helmy, Nagy Ramdan |

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|------------------|------------------------|---|
| 2:30-4:00 | ICICIS2021-75 | Comparative Study on Stroke Lesion Core Segmentation in CTP Images Amira Esawy, Sahar Fawzi, Mustafa Elattar |
| | ICICIS2021-84 | Anomaly Detection using Unsupervised Learning in LTE Mobile Network Mahmoud Nour; Mina Awad, Mina Kamel; Mostafa Essa; Nashwa Abdelbaki |
| | ICICIS2021-103 | Technologies, tools, and resources - driving forces in construction sector digitalization Silvia Parusheva; Yanka Aleksandrova |
| | ICICIS2021-105 | Optimizing financial results for credit risk prediction in peer to peer lending platforms using machine learning Yanka Aleksandrova; Silvia Parusheva |
| 4:00-4:30 | Coffee Break | |
| 4:30-5:30 | Closing Session | |

Monday, December 6, 2021 - Louvre 7 Hall

| CS 9 - Data Science and Knowledge Discovery II | | |
|--|----------------|---|
| Session Chairs: Prof. Ali El-Naem, Dr. Salsabil El-Regaily Dr. Wedad Hussein | | |
| 12:00-1:00 | ICICIS2021-97 | Speech Emotion Recognition System for Human Interaction Applications Mai El Seknedy ; Sahar Fawzi |
| | ICICIS2021-50 | Predicting the Big Five for social network users using their personality characteristics Mariam Hassanein; Sherine Rady; Wedad Hussein; Tarek F. Gharib |
| | ICICIS2021-108 | Correlated High Utility Itemset Mining Based on Item Decomposition Mohammed Ali Fouad; Wedad Hussein; Sherine Rady; Philip S. Yu; Tarek F. Gharib |
| | ICICIS2021-111 | A Proposed Model for Field Workers Injuries' Prevention based on Machine Learning Mohamed Farouk Abbas Sabet; Ahmed Dahroug; Abdel Fattah Hegazy |
| 1:30-2:30 | Lunch | |

| CS 10- Bioinformatics, Health Informatics and Biomedical Systems I | | |
|--|------------------------|---|
| Session Chairs: Prof. Khaled Bahnasy, Prof. Mohamed Aouf, Dr. Mahmoud Fayez | | |
| 2:30-4:00 | ICICIS2021-2 | EEG Classification for Seizure Prediction Using SVM vs Deep ANN Engy M. Kamel; Yasmin M. Massoud; Mohamed A. El Ghany; Mohammed A.-M. Salem |
| | ICICIS2021-20 | Deep Learning Methodologies For Human Activity Recognition Maha Mohammed Alhumayyani; Mahmoud Monir; Rasha Ismail |
| | ICICIS2021-23 | Identification of a New Topology to Enhance The Impedance Extraction in Microfluidic Systems Sameh Sherif; Yehya H. Ghallab; Mohamed T. El-Wakad Yehea Ismail |
| | ICICIS2021-40 | A computational approach to standardise prostatic resection interventions by virtual reconstruction Ahmad M I Mahmoud; Ehab N Mohamed; Ahmed M Tawfeek; Amr Y Elbanhaway |
| | ICICIS2021-43 | An Influence of The Microfluidic channel Height and Distribution of Dielectrophoretic Force on the Impedance Extraction in Microfluidic Systems Sameh Sherif; Yehya H. Ghallab; Mohamed T. El-Wakad; Yehea Ismail |
| | ICICIS2021-44 | A Developed Micro Electric Impedance Spectroscopy for Biological Cells' Electrical Parameters Extraction Sameh Sherif; Yehya H. Ghallab; Laila Ziko; Rania Siam; Yehea Ismail |
| | ICICIS2021-68 | Determination of signature genes of breast cancer subtypes evaluated by clinical criteria using biclustering algorithm Hassan Sayed Ramadan; Huda Amin Maghawry; Khaled El-Bahnasy |
| 4:00-4:30 | Coffee Break | |
| 4:30-5:30 | Closing Session | |

Monday, December 6, 2021 - Louvre 8 Hall

| CS 11 - Artificial Intelligence, Multimedia and Data Visualization V Session Chairs: Taha El-Areef, Dr. Dina Khatab, Dr. Sally Saad | | |
|---|----------------|---|
| 12:00-1:30 | ICICIS2021-86 | A Novel Data Mining Approach Predicting Alerts in the Telecom Industry Mina Kamel; Mahmoud Nour; Mina Awad; Mostafa Essa; Nashwa Abdelbaki |
| | ICICIS2021-94 | CairoDep: Detecting Depression in Arabic Posts Using BERT Transformers Mohammad El-Ramly; Hager Abu-Elyazid; Youseef Mo'men; Gameel Alshaer; Nardine Adib; Kareem Alaa Eldeen; Mariam El-Shazly |
| | ICICIS2021-99 | Attention Detection using Electro-oculography Signals in E-learning Environment Yassmina Abdo; Ehab Yahya; Hussein Ismail; Mostafa Saleh; Radwa Reda; Howida A.Shedeed |
| | ICICIS2021-106 | Multiclass Colorectal Cancer Histology Images Classification Using Vision Transformers Magdy Abd-elghany Zeid; Khaled El-Bahnasy; S.E.Abo-youssef |
| | ICICIS2021-107 | A wind turbine fault identification using machine learning approach based on pigeon inspired optimizer Ibrahim Gad; Aboul Ella Hassanien |
| 1:30-2:30 | Lunch | |

Monday, December 6, 2021 - Louvre 8 Hall

| CS 12- Bioinformatics, Health Informatics and Biomedical Systems II | | |
|---|------------------------|---|
| Session Chairs: Prof. Hassan Ramadan, Marco Alfons , Dr. Mahmoud Monir | | |
| 2:30-4:00 | ICICIS2021-74 | Predicting of Autism Spectrum Disorder using Gene Ontology Eman Ismail; Walaa Gad; Mohamed Hashem |
| | ICICIS2021-81 | Combination of ECG And PPG Signals For Smart HealthCare Systems: Techniques, Applications, and Challenges Mahmoud. M. Bassiouni; Islam Hegazy; Nouhad Rizk; El-Sayed. A. El-Dahshan; Abdelbadeeh M. Salem |
| | ICICIS2021-92 | A framework for Alternative Splicing Isoforms Detection in Lung Cancer Nourelislam Awad; Mohamed El-Hadidi |
| | ICICIS2021-93 | Protein Deep Learning Classification Using 3D Features Farida Alaaeldin Mostafa; Yasmine Mohamed Afify; Rasha Mohamed Ismail; Nagwa Lotfy Badr |
| | ICICIS2021-100 | Enhancing Performance of Biomedical Named Entity Recognition Lobna A. Mady; Yasmine M. Afify; Nagwa L. Badr |
| | ICICIS2021-101 | In-silico screening of potential anti-glycoprotein of Nipah virus Ahmed M Osman; Hanaa M Alam EL-Din |
| | ICICIS2021-112 | Drug-target Interaction Prediction Using Machine Learning Mohamed R. Barkat; Sherin M. Moussa; Nagwa L. Badr |
| 4:00-4:30 | Coffee Break | |
| 4:30-5:30 | Closing Session | |

