



IEEE IEMCON-2020

The 11th Annual IEEE Information Technology, Electronics and Mobile
Communication Conference
Virtual Conference, Vancouver, Canada
4th – 7th November, 2020

**All the timings are given in Pacific Standard Time (PST (GMT-8))*

TECHNICAL SCHEDULE

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DAY 1:

4th November, 2020

TIME	NAME OF THE EVENT
PARTICIPATION LINK : https://zoom.us/j/99288024934?pwd=K3RPQzFiM0RmdW5pN1Q1MzVaU01jdz09	

8:00 A.M – 8:45 A.M	INAUGURATION
8:45 A.M – 9:30 A.M	KEYNOTE ADDRESS BY NISHANTH CHANDRAN (MICROSOFT RESEARCH, USA) TITLE OF TALK: PRIVACY-PRESERVING MACHINE LEARNING
9:30 A.M – 10:15 A.M	KEYNOTE ADDRESS BY BEHROOZ PARHAMI (UNIVERSITY OF CALIFORNIA SANTA BARBARA, USA) TITLE OF TALK: HYBRID DIGITAL-ANALOG NUMBER REPRESENTATION IN COMPUTING AND IN NATURE
10:15 A.M – 10:30 A.M	-----BREAK-----

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PARALLEL SESSIONS

SESSION 1: WIRELESS SENSOR NETWORKS

SESSION CHAIR: OKECHUKWU UGWEJE(UNIVERSITY OF MOUNT UNION, USA & NILE UNIVERSITY OF NIGERIA, NIGERIA)

SESSION TIME: 10:30 A.M – 11:45 A.M

PARTICIPATION LINK : <https://zoom.us/j/91020976454?pwd=MHFCcWgrMnYwK3d6WlJ6eWp4MGtRUT09>

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
10:30 A.M – 10:45A.M	1570670691	Wireless Sensor Networks Fundamentals: A Review	Navid Heydarishahreza (Iran University of Science and Technology, Iran); Saeed Ebadollahi (IUST, Iran); Reza Vahidnia (British Columbia Institute of Technology, Canada); John Dian (BCIT, Canada)
10:45 A.M – 11:00A.M	1570673380	Drone Positioning System Based on Sound Signals Detection for Tracking and Photography	Ala' Tariq Abu Hilal and Thabet Mismar (Al Ain University, United Arab Emirates)
11:00 A.M – 11:15A.M	1570674141	An IoT-Alert System for Chronic Asthma Patients	Agrippina Wanjiru Mwangi (Carnegie Mellon University Africa, Rwanda); Emmanuel Ndashimye (Carnegie Mellon University Africa & University of Rwanda, Rwanda); Sayan Kumar Ray (Manukau Institute of Technology, New Zealand); Bonaventure Karikumutima (University of Rwanda, Rwanda)
11:15 A.M – 11:30A.M	1570677825	Implementation and Analysis of Routing Protocols for LoRa Wireless Mesh Networks	Douglas de F Medeiros (Federal University of Paraiba (UFPB), Brazil); Mariana R Villarim (Federal University of Paraiba, Brazil); Fabricio Braga Soares de Carvalho (Federal University of Paraiba - UFPB, Brazil); Cleonilson Protasio de Souza (Federal University of Paraiba, Brazil)
11:30 A.M – 11:45A.M	1570678234	MAC Routing Protocol for Improving Efficiency in IEEE 802.15.4 Wireless Sensor Networks	Hosam El-Ocla (Lakehead University, Canada),

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SESSION 2: MACHINE LEARNING**SESSION CHAIR: HEBA ELGAZZAR(MOREHEAD STATE UNIVERSITY,USA)****SESSION TIME: 10:30 A.M – 11:45 A.M****PARTICIPATION LINK : <https://zoom.us/j/98836028990?pwd=ZjEvN1VWZTdNV0FFcWJtcWowOCtiQT09>**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORSWITH AFFILIATION & COUNTRY
10:30 A.M – 10:45 A.M	1570673819	Low-Complexity High-Accuracy 5G and LTE Multichannel Spectrum Analysis Aided by Unsupervised Machine Learning	Benjamin Imanilov (Corning Research and Development Corporation, Israel)
10:45 A.M – 11:00 A.M	1570668914	Leveraging Profanity for Insincere Content Detection - A Neural Network Approach	Swapna Gottipati, Annabel Tan, David Jing Shan and Joel Lim Wee Kiat (Singapore Management University, Singapore)
11:00 A.M – 11:15 A.M	1570668985	A Systematic Literature Review in Causal Association Rules Mining	ShkurteLuma-Osmani and Florije Ismaili (South East European University, Macedonia, the former Yugoslav Republic of); Xhemal Zenuni (SEEU, Macedonia, the former Yugoslav Republic of); Bujar Raufi (South East European University, Republic of Macedonia, Monaco)
11:15 A.M – 11:30 A.M	1570673174	A Transfer Learning Framework for Anomaly Detection Using Model of Normality	Sulaiman A. Aburakhia and Tareq Tayeh (Western University, Canada); Ryan Myers (National Research Council - Government of Canada, Canada); Abdallah Shami (Western University, Canada)
11:30 A.M – 11:45 A.M	1570673355	Bayesian Program Learning for Modeling and Classification of RF Emitters	Neil Bomberger, Scott Kuzdeba and Thomas S. Brandes (BAE Systems, USA); Andrew Radlbeck (WPI, USA); Denis Garagic (Sarcos Robotics, USA)

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SESSION 3: ROBOTICS AND AUTONOMOUS SYSTEMS**SESSION CHAIR: BARRY SANDERS(UNIVERSITY OF CALGARY,CANADA)****SESSION TIME: 10:30 A.M – 11:45 A.M****PARTICIPATION LINK : <https://zoom.us/j/96582478342?pwd=MzlOeDByQmphQnpYekhFaGlnYXJSUT09>**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
10:30 A.M – 10:45 A.M	1570670136	Design and Evaluation of a Human-Controlled Haptic-Based Robotic Hand for Object Grasping and Lifting	Janchris Espinosa, Samantha Alexis Malubay, Melchizedek I Alipio, Alexander Abad, Valentino Asares Jr, Maria Jamelina Joven and Gabrielle Francesca Domingo (De La Salle University, Philippines)
10:45 A.M – 11:00 A.M	1570672444	Survey of Agricultural Robot Applications and Implementation	Balasubramaniyan Chandrasekaran and Zubaidah Al-Mashhadani (Florida Polytechnic University, USA)
11:00 A.M – 11:15 A.M	1570673130	An Experimental Survey with NodeMCU12e+Shield with TftNextion and MAX30102 Sensor	Antonio Carlos Bento (Tecnológico de Monterrey, Brazil)
11:15 A.M – 11:30 A.M	1570673633	Analysis of Requirements for Autonomous Driving Systems	Felix Müller (Karlsruhe University of Applied Sciences, Germany); Philipp Nenninger (University of Applied Sciences Karlsruhe, Germany); Eric Sax (Karlsruhe Institute of Technology, Germany)
11:30 A.M – 11:45 A.M	1570673957	Drones Swarm Recharging: Modeling Using Agent-Based Simulation	Leonardo Grando (University of Campinas, Brazil); Edson Ursini (College of Technology, Brazil); Paulo S Martins (University of Campinas (UNICAMP), Brazil)

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SESSION 4: INTERNET OF THINGS AND CLOUD AND VIRTUAL NETWORKS**SESSION CHAIR: GERALD PENN(UNIVERSITY OF TORONTO, CANADA)****SESSION TIME: 10:30 A.M – 11:45 A.M****PARTICIPATION LINK : <https://zoom.us/j/97130201457?pwd=TjE5YUYyaThwdzZlMkZlMmIwZWlVZz09>**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORSWITH AFFILIATION & COUNTRY
10:30 A.M – 10:45 A.M	1570670878	Offloading-Efficiency Maximization for Mobile Edge Computing in Clustered NOMA Networks	Mohammed W. Baidas (Kuwait University, Kuwait)
10:45 A.M – 11:00 A.M	1570681251	Bepari: A Cost-Aware Comprehensive Agent Architecture for Opaque Cloud Services	Shahid Noor (Northern Kentucky University, USA); Mahmud Hossain (University of Alabama at Birmingham, USA); Rasib Khan (Northern Kentucky University, USA); Ragib Hasan (University of Alabama at Birmingham, USA); S. M. Riazul Islam (Sejong University, Korea (South))
11:00 A.M – 11:15 A.M	1570673756	Radiation Safety Hazards of Cellular IoT Devices	Reza Vahidnia (British Columbia Institute of Technology, Canada); John Dian (BCIT, Canada)
11:15 A.M – 11:30 A.M	1570676118	Recognizing Suicidal Intent in Depressed Population Using NLP: A Pilot Study	Samaha Binte Hassan (Undergraduate, Canada); Sumaiya Binte Hassan (University of British Columbia, Canada); Umme Zakia (Simon Fraser University, Canada)
11:30 A.M – 11:45 A.M	1570677608	A Novel Website Development for Weather Notification System Using Smart Umbrella Based on Internet of Things	Mirza Mohd Shahriar Maswood and Uzzwal Kumar Dey (Khulna University of Engineering & Technology, Bangladesh); Md Ashif Uddin (Khulna University, Bangladesh); Md Mainul Islam Mamun (University of Missouri-Kansas City, USA); Shamima Sultana Sonia (Khulna University of Engineering & Technology, Bangladesh); Moriom Akter (Khulna University, Bangladesh); Abdullah G. Alharbi (University of Missouri - Kansas City, MO, USA)

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SESSION 5: ARTIFICIAL INTELLIGENCE**SESSION CHAIR: YEHIA KOTB(AMERICAN UNIVERSITY OF THE MIDDLE EAST, KUWAIT)****SESSION TIME: 12:00 P.M – 1:15 P.M****PARTICIPATION LINK : <https://zoom.us/j/99460982824?pwd=c2E0OG1yM1IvN1RjNzBzVjEwYm5xUT09>**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORSWITH AFFILIATION & COUNTRY
12:00 A.M – 12:15 P.M	1570669933	Graph Theory for Dimensionality Reduction: A Case Study to Prognosticate Parkinson's	Shithi Maitra (Sheba Platform Limited, Bangladesh); Tonmoy Hossain and Khan Md. Hasib (Ahsanullah University of Science and Technology, Bangladesh); Fairuz Shadmani Shishir (InsideMaps Inc., Bangladesh)
12:15 P.M – 12:30 P.M	1570673973	Convolutional Neural Networks: A Novel Approach for Sinhala Sign Recognition System	Sooriyanthan Dilakshan (Informatics Institute of Technology, Sri Lanka); Yapa Hetti Pathirannahalage Priyadarshana (University of Moratuwa, Sri Lanka)
12:30 P.M – 12:45 P.M	1570674125	CNN Based Detection of the Severity of Diabetic Retinopathy from the Fundus Photography Using EfficientNet-B5	Mirza Mohd Shahriar Maswood, Tasneem Hussain, Mohammad Badhrudouza Khan and Md Tobibul Islam (Khulna University of Engineering & Technology, Bangladesh); Abdullah G. Alharbi (University of Missouri - Kansas City, MO, USA)
12:45 P.M – 1:00 P.M	1570676874	Limits of AI as Established by a Multi-Layered Symmetry-Based Model of Light	Pravir Malik (Deep Order Technologies, USA)
1:00 P.M – 1:15 P.M	1570677697	"Can NLP Techniques Be Utilized as a Reliable Tool for Medical Science? - Building a NLP Framework to Classify Medical Reports	Nafiz Sadman, Sumaiya Tasneem and Md Ariful Haque (Silicon Orchard Lab, Bangladesh); Md Maminur Islam (University of Memphis, USA); Md Manjurul Ahsan (University of Oklahoma, USA); Kishor Datta Gupta (University of Memphis, USA)

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SESSION 6: CLOUD AND VIRTUAL NETWORKS AND INTERNET OF THINGS**SESSION CHAIR: WILLIAM H. BUTLER (CAPITOL TECHNOLOGY UNIVERSITY, USA)****SESSION TIME: 12:00 P.M – 1:15 P.M****PARTICIPATION LINK : <https://zoom.us/j/96940663559?pwd=UXhVL0JLZWU1ZXIEY1FGb1dqRnNGQT09>**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
12:00 A.M – 12:15 P.M	1570673941	Automotive Data Certification Problem: A View on Effective Blockchain Architectural Solutions	Cyril Naves (Universite Cote D Azur & Renault Software Labs, France); Severine Glock and David Bercovitz (Renault Software Labs SAS, France); François Verdier (Université Côte d'Azur, LEAT, France); Patricia Guitton (Renault Software Labs SAS, France)
12:15 P.M – 12:30 P.M	1570678377	C2TOP: A Cloud Competition-Based Truthful Online Pricing Mechanism in Secondary Markets	Seyed Mohammad Reza Dibaj and Ali Miri (Ryerson University, Canada)
12:30 P.M – 12:45 P.M	1570678528	DRP Analysis: Service Outage in Data Center Due to Power Failures	Andrea Gordón (Pontificia Universidad Católica del Ecuador, Ecuador); Gustavo Salazar (Universidad Nacional de la Plata - UNLP & Pontificia Universidad Católica del Ecuador - PUCE, Ecuador)
12:45 P.M – 1:00 P.M	1570680300	Blockchain-Based Cooperative Autonomous Detection of Suspicious Vehicles	Zachary Farr (Virginia Military Institute, USA); Mohamed Azab (Advanced Computing and Information Systems Laboratory, ECE, University of Florida & Virginia Tech, USA); Effat Samir (Old Dominion University, USA)
1:00 P.M – 1:15 P.M	1570673653	Odour Detection System for Allergy Sufferers	David Osemeojie Airehrou (Auckland University of Technology, New Zealand); Marianne Cherrington (University of Huddersfield, United Kingdom (Great Britain)); Kishore Rajagopal (Nelson Marlborough Institute of Technology, New Zealand)

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SESSION 7: DATA ANALYTICS AND BIG DATA**SESSION CHAIR: WENDY OSBORN (UNIVERSITY OF LETHBRIDGE, CANADA)****SESSION TIME: 12:00 P.M – 1:15 P.M****PARTICIPATION LINK : <https://zoom.us/j/95288520660?pwd=SHExbmNRENPC0pmK2tCc0ZRWkZDQT09>**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORSWITH AFFILIATION & COUNTRY
12:00 A.M – 12:15 P.M	1570681344	Machine Learning for Revenue Forecasting: A Case Study in Retail Business	Ashok Kumar Pundir, L Ganapathy, Neeraj Kumar and Pratik Maheshwari (National Institute of Industrial Engineering, India)
12:15 P.M – 12:30 P.M	1570673924	Exploring the Impact of COVID-19 on Aviation Industry: A Text Mining Approach	SwapnaGottipati, KyongJin Shim, Angeline Jiang and Andre Lee (Singapore Management University, Singapore)
12:30 P.M – 12:45 P.M	1570677789	An Evaluation of Millimeter-Wave Radar Sensing for Civil Infrastructure	Daniel Mitchell (Heriot-Watt University, United Kingdom (Great Britain)); Jamie R. D. Blanche (Heriot-Watt University & Smart Systems Group, United Kingdom (Great Britain)); David Flynn (Heriot Watt University, United Kingdom (Great Britain))
12:45 P.M – 1:00 P.M	1570681437	Interpretive Structural Modelling to Assess the Enablers of Blockchain Technology in Supply Chain	Ashok Kumar Pundir, L Ganapathy, Shashikant Thakur and Pratik Maheshwari (National Institute of Industrial Engineering, India)
1:00 P.M – 1:15 P.M	1570681492	An Adapter for IBM Streams and Apache Spark to Facilitate Multi-Level Data Analytics	Yinchen Shi (Queen's University, Canada); Sazia Mahfuz (Queens University, Canada); Farhana H. Zulkernine (Queen's University & CA Canada, Canada); Pete Nicholls (IBM, Canada)

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SESSION 8: VLSI AND MICROELECTRONIC CIRCUIT EMBEDDED SYSTEMS**SESSION CHAIR: KINGSLEY A. OGUDO (UNIVERSITY OF JOHANNESBURG, SOUTH AFRICA)****SESSION TIME: 12:00 P.M – 1:15 P.M****PARTICIPATION LINK : <https://zoom.us/j/97350465715?pwd=bEFsQnA5bVVaQ3h2c2tBNDBoZFK2Zz09>**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
12:00 A.M – 12:15 P.M	1570673771	Design of Efficient Dynamic Scheduling of RISC Processor Instructions	Anudeep Bonasu and Sushanth Reddy Karmunchi (California State University Fresno, USA); Nan Wang (California State university, USA)
12:15 P.M – 12:30 P.M	1570677790	External Power Gating Technique - an Inappropriate Solution for Low Power Devices	Matěj Bartík (CESNET, Czech Republic)
12:30 P.M – 12:45 P.M	1570677865	Reliability and Modelability Advantages of Distributed Switching for Reconfigurable 2D Processor Arrays	Behrooz Parhami (University of California, Santa Barbara, USA)
12:45 P.M – 1:00 P.M	1570681165	Advances in FPGA Based PWM Generation for Power Electronics Applications: Literature Review	Amean Al Safi (University of ThiQar, Iraq); Ali Al-Khayyat and Alyaa Manati (University of Thi-Qar, Iraq); Liqaa Alhafadhi (Universiti Sains Malaysia, Malaysia)
1:00 P.M – 1:15 P.M	1570681505	A Mamdani Fuzzy System Implementation on Arduino UNO and FPGA	Marcos Gutiérrez-López, Andy Montalvo-Fernández, Francisco J. Perez-Pinal and Jose A. Padilla-Medina (TecNM Celaya, Mexico); Alejandro I. Barranco-Gutierrez (Cátedras CONACyT - TecNM Celaya, Mexico)

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DAY:5th November, 2020

TIME	NAME OF THE EVENT
PARTICIPATION LINK : https://zoom.us/j/95529941191?pwd=cVxd0ZTTms5S05hdUx2c1Z5L1FMUT09	
8:30 A.M – 9:15 A.M	KEYNOTE ADDRESS BY MATTHEW KRIEGER (TECH. AT COBER, INC.) TITLE OF TALK: IOT SECURITY – EVEN MORE COMPLEX THAN IT SEEMS
9:15 A.M – 10:00 A.M	KEYNOTE ADDRESS BY MARINA L. GAVRILOVA (UNIVERSITY OF CALGARY,CANADA)) TITLE OF TALK: NEW GENERATION OF SOCIAL CONTEXT-BASED BIOMETRIC MULTI-MODAL SYSTEMS
10:00 A.M – 10:15 A.M	-----BREAK-----

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PARALLEL SESSIONS

SESSION 9: COMPUTER NETWORK

SESSION CHAIR: HAYSSAM EL-RAZOUK (CALIFORNIA STATE UNIVERSITY, USA)

SESSION TIME: 10:15 A.M – 11:15 A.M

PARTICIPATION LINK : <https://zoom.us/j/93808522301?pwd=MUVjNGtORndkNS9NRERWckdJcDR6QT09>

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
10:15 A.M – 10:30 A.M	1570671033	Delay Optimisation for Multimedia Applications in a Wireless Network Control System (WNCS)	Oche Egaji (University of South Wales, United Kingdom (Great Britain)); Alison Griffiths and Mohammad S Hasan (Staffordshire University, United Kingdom (Great Britain))
10:30 A.M – 10:45 A.M	1570673602	A Proposed Cyber Security Framework for Auditing in Financial Institutions	Hezel Matsikidze and Michael Kyobe (University of Cape Town, South Africa)
10:45 A.M – 11:00 A.M	1570673663	OpenSDN Southbound Traffic Characterization: Proof-Of-Concept Virtualized SDN-Infrastructure	Gustavo Salazar (Universidad Nacional de la Plata - UNLP & Pontificia Universidad Católica del Ecuador - PUCE, Ecuador); Luis Marrone (Universidad Nacional de la Plata - UNLP, Argentina)
11:00 A.M – 11:15 A.M	1570677245	Efficient Bandwidth Management Using Geo Nearest Datacenter for Inter DCN and Optimal Path for Intra DCN to Optimize Bandwidth Cost	Mirza Mohd Shahriar Maswood and Shadman Rahman Doha (Khulna University of Engineering & Technology, Bangladesh); Md Mainul Islam Mamun (University of Missouri-Kansas City, USA); Shamima Sultana Sonia (Khulna University of Engineering & Technology, Bangladesh); Abdullah G. Alharbi (University of Missouri - Kansas City, MO, USA)

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SESSION 10: SOFTWARE ENGINEERING AND DATA ANALYTICS AND BIG DATA**SESSION CHAIR: STEVE CHAN (HARVARD UNIVERSITY, USA)****SESSION TIME: 10:15 A.M – 11:30 A.M****PARTICIPATION LINK : <https://zoom.us/j/92206312199?pwd=NTFPcCtEaHRsQjZzQk9vdktZclB3UT09>**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
10:15 A.M – 10:30 A.M	1570671540	OMSAC - Ontology of Microservices Architecture Concepts	Gabriel Morais (Université du Québec à Rimouski & Desjardins, Canada); Mehdi Adda (University of Quebec at Rimouski, Canada)
10:30 A.M – 10:45 A.M	1570678524	Chatbot Implementation to Collect Data on Possible Covid-19 Cases and Release the Pressure on the Primary Health Care System	Carlos Carrión Betancourt (University of Campinas, Brazil); Wilmer Stalin Erazo Navarrete and German Patricio Guerrero Fiallos (Universidad de las Américas, Ecuador); Ivan Ricardo Sanchez Salazar (Universidad de las Americas & Universidad de Malaga, Ecuador)
10:45 A.M – 11:00 A.M	1570680419	Shilpa: A Novel Neural Based Approach for Measuring Human Stress Level	Yapa Hetti Pathirannahalage Priyadarshana (University of Moratuwa, Sri Lanka); Darshana Nuwan Jayarathna (Sri Lanka Institute of Information Technology, Sri Lanka); Dulshan Thanthilage (SLIIT, Sri Lanka); Thilini Nadeera Perera (Sri Lanka Institute of Information Technology, Sri Lanka); Gihan Malith Darmakeerthi (SLIIT, Sri Lanka)
11:00 A.M – 11:15 A.M	1570681292	Effectiveness of Artificial Intelligence, Decentralized and Distributed Systems for Prediction and Secure Channeling for Medical Tourism	Nethmee U Amadoru (Sri Lanka Institute of Information Technology, Sri Lanka); Dulaj Magalage (Sri Lanka Institute of Information Technology, Sri Lanka); Lakshani Ad and Madhawa Subasinghe (Sri Lanka Institute of Information Technology, Sri Lanka); Janaka Wijekoon (Sri Lanka Institute of Information Technology, Sri Lanka & Keio University, Japan)
11:15 A.M – 11:30 A.M	1570682209	Prediction of Defaulters Using Machine Learning on Azure ML	Abhishek Shivanna and Dharma P Agrawal (University of Cincinnati, USA)

****All the timings are given in Pacific Standard Time(PST (GMT-8))***

SESSION 11: MACHINE LEARNING AND SIGNAL DETECTION AND PROCESSING**SESSION CHAIR: XIANPING WANG(PURDUE UNIVERSITY OF NORTHWEST, USA)****SESSION TIME: 10:15 A.M – 11:30 A.M****PARTICIPATION LINK : <https://zoom.us/j/98289980162?pwd=Y2VkM0MwT01vWGxFNjBhRVRGN25nUT09>**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORSWITH AFFILIATION & COUNTRY
10:15 A.M – 10:30 A.M	1570677703	Deep Learning for Information Extraction in Finance Documents - Corporate Loan Operations	Guru Subramanian Anand (SP Jain School of Global, Singapore); JerilKuriakose (St. John College of Engineering & Manipal University Jaipur, India); Suneel Sharma and Debashis Guha (SP Jain School of Global, India)
10:30 A.M – 10:45 A.M	1570681022	An Approach Towards Development of Automated Attendance System Using Face Detection and Recognition	Sayan Seal, Aishee Sen, Ritodeep Mukerjee and Asit Kumar Das (Indian Institute of Engineering Science and Technology, Shibpur, India)
10:45 A.M – 11:00 A.M	1570681202	On the Impact of Gabor Phase for Spectro-Temporal Feature Extraction in Building an ASR System	Anirban Dutta (National Institute of Technology Meghalaya, India); Gudmalwar Prabhakar (National Institute of Technology Meghalaya, India); Chevula Venkata Rama Rao (NIT Meghalaya, Shillong& National Institute of Technology Meghalaya, India)
11:00 A.M – 11:15 A.M	1570673377	Quarantine Quibbles: A Sentiment Analysis of COVID-19 Tweets	Jason Nguyen and Ritu Chaturvedi (University of Guelph, Canada)
11:15 A.M – 11:30 A.M	1570679732	LDPC Codeword Size Determination Using Convolutional Neural Networks	Bradley Comar (US DoD, USA)

****All the timings are given in Pacific Standard Time(PST (GMT-8))***

SESSION 12: ARTIFICIAL INTELLEGENCE**SESSION CHAIR: OKECHUKWU UGWEJE(UNIVERSITY OF MOUNT UNION, USA & NILE UNIVERSITY OF NIGERIA, NIGERIA)****SESSION TIME: 10:15 A.M – 11:30 A.M****PARTICIPATION LINK : <https://zoom.us/j/92268346263?pwd=YUFMUVgxUi9ncW9wOHVUS3hIVVVadz09>**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
10:15 A.M – 10:30 A.M	1570678215	Reinforcement Learning Based Framework for Real Time Fault Tolerance	Yehia Kotb (American University of the Middle east, Kuwait); Mouhammad Alakkoummi (American University of the Middle East, Kuwait); Hassan Kanj (American University of the Middle East, Colleague of Engineering Kuwait, Kuwait)
10:30 A.M – 10:45 A.M	1570680479	Autonomous Electromagnetic Continuously Variable Transmission	Ataur Rahman and Abdul Jaffar (International Islamic University Malaysia, Malaysia); SanyIzanIhsan (IIUM, Malaysia)
10:45 A.M – 11:00 A.M	1570680917	Distance-Based Anomaly Detection for Industrial Surfaces Using Triplet Networks	TareqTayeh and Sulaiman A. Aburakhia (Western University, Canada); Ryan Myers (National Research Council - Government of Canada, Canada); Abdallah Shami (Western University, Canada)
11:00 A.M – 11:15 A.M	1570681237	Financial Time Series Stock Price Prediction Using Deep Learning	Madhu Goyal (University of Technology, Australia)
11:15 A.M – 11:30 A.M	1570681324	MFNet: Multi-Feature Convolutional Neural Network for High-Density Crowd Counting	Songchenchen Gong (Univesite of Burgundy, France)

****All the timings are given in Pacific Standard Time(PST (GMT-8))***

SESSION 13: INTERNET OF THINGS**SESSION CHAIR: WILLIAM H. BUTLER (CAPITOL TECHNOLOGY UNIVERSITY, USA)****SESSION TIME: 11:45 A.M –1:00 P.M****PARTICIPATION LINK : <https://zoom.us/j/96849112275?pwd=WERxNjZYSHk5UzJ1ekVDbG1IN3Fwdz09>**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
11:45 A.M – 12:00 P.M	1570672354	A Simplistic View on Latency of Random Access in Cellular Internet of Things	John Dian (BCIT, Canada); Reza Vahidnia (British Columbia Institute of Technology, Canada)
12:00 P.M – 12:15 P.M	1570677916	Integration of IoT and Blockchain Technology for Enhancing Supply Chain Performance	Shashank Kumar (National Institute of Industrial Engineering, India); Ashok Kumar Pundir (National Institute of Industrial Engineering, India)
12:15 P.M – 12:30 P.M	1570678321	IoT and Blockchain Based Peer to Peer Energy Trading Pilot Platform	Mirza Jabbar Aziz Baig, Mohammad Tariq Iqbal and Mohsin Jamil (Memorial University of Newfoundland, Canada); M. Khan (BC Hydro and Power Authority, Canada)
12:30 P.M – 12:45 P.M	1570679015	IOT Based ICU Patient Health Monitoring System	Lutfun Nahar, Syeda Zafar and Faria Rafique (International Islamic University Chittagong, Bangladesh)
12:45 P.M – 1:00 P.M	1570679032	Motorcyclists Safety Assistant App	Hiruni Fernando, Dhanushki Muthuarachchi, Deborah Rukshana Anandakumar and Chamalka Bawanthi (SLIIT, Sri Lanka)

****All the timings are given in Pacific Standard Time(PST (GMT-8))***

SESSION 14: DISTRIBUTED SYSTEMS AND IMAGE PROCESSING AND MULTIMEDIA TECHNOLOGY**SESSION CHAIR: GERALD PENN(UNIVERSITY OF TORONTO, CANADA)****SESSION TIME: 11:45 A.M –1:00 P.M****PARTICIPATION LINK : <https://zoom.us/j/97762901293?pwd=a0xDQIN5ZmplIVkV5cGxuTnFYTmV6Zz09>**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
11:45 A.M – 12:00 P.M	1570680830	Improving Energy Revenue and Security by Employing SDNS for the Low Voltage Distribution Network for Residential Users in South Africa	Noah SindileFakude and Kingsley A Ogudo (University of Johannesburg, South Africa)
12:00 P.M – 12:15 P.M	1570682179	Deep Environment Perception in Smart Transportation Systems Using Collaboration of Smart Roads and Autonomous Vehicles	Amin Sahba and RaminSahba (The University of Texas at San Antonio, USA); FarshidSahba (Raja University, Iran)
12:15 P.M – 12:30 P.M	1570672933	Detection of Brainwaves in Magnetic Resonance Images Using Fast Fourier Transform (FFT)	Reuben George and Li Sze Chow (UCSI University)
12:30 P.M – 12:45 P.M	1570673571	Using the ARAIG Haptic Suit to Assist in Navigating Firefighters Out of Hazardous Environments	Cassandra F Laffan, James Coleshill and Alexander Ferworn (Ryerson University, Canada); Brodie Stanfield and Michael Stanfield (IFTech Inventing Future Technology Inc., Canada)
12:45 P.M – 1:00 P.M	1570673804	Smart Plant Disorder Identification Using Computer Vision Technology	Bilal Sariffodeen, Sukanya Manoharan, Lakna H Rajaratne and Kavindu Ramasinghe (Sri Lanka Institute of Information Technology, Sri Lanka); Janaka Wijekoon (Sri Lanka Institute of Information Technology, Sri Lanka & Keio University, Japan); Darshana Kasthurirathna (Sri Lanka Institute of Information Technology, Sri Lanka)

****All the timings are given in Pacific Standard Time(PST (GMT-8))***

SESSION 15: WIRELESS SENSOR NETWORKS AND AD HOC NETWORKS**SESSION CHAIR: HAYSSAM EL-RAZOUK (CALIFORNIA STATE UNIVERSITY, USA)****SESSION TIME: 11:45 A.M –1:00 P.M****PARTICIPATION LINK : <https://zoom.us/j/91209328193?pwd=TzRXVGRUeHlrNG9XTnJYVm1wQXhzd09>**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
11:45 A.M – 12:00 P.M	1570681540	An Overview of UPnP-Based IoT Security: Threats, Vulnerabilities, and Prospective Solutions	Golam Kayas (Temple University, USA); Mahmud Hossain (University of Alabama at Birmingham, USA); Jamie Payton (Temple University, USA); S. M. Riazul Islam (Sejong University, Korea (South))
12:00 P.M – 12:15 P.M	1570681434	Gaja-Mithuru: Smart Elephant Monitoring and Tracking System	Pumudu Fernando, Divya Jayakody, Praveena Dissanayake and Yasiru Perera (Sri Lanka Institute of Information Technology, Sri Lanka); Janaka Wijekoon (Sri Lanka Institute of Information Technology, Sri Lanka & Keio University, Japan); Malitha N Wijesundara (Sri Lanka Institute of Information Technology & University of Rochester, NY USA, Sri Lanka)
12:15 P.M – 12:30 P.M	1570681500	Performance of 802.11P in VANET at 5G Frequencies for Different Channel Models	Harsha Puttagunta and Dharma P Agrawal (University of Cincinnati, USA)
12:30 P.M – 12:45 P.M	1570677092	Power Adaptation for Full-Duplex Relay-Aided D2D Communications with Direct Link	Yasmine A. (GUC, Egypt); Engy Aly Maher (German University in Cairo, Egypt); Ahmed E. El-Mahdy (The German University in Cairo, Egypt)
12:45 P.M – 1:00 P.M	1570680416	Development of a Low-Cost LoRa Based SCADA System for Monitoring and Supervisory Control of Small Renewable Energy Generation Systems	Cherechi Ndukwe and Mohammad Tariq Iqbal (Memorial University of Newfoundland, Canada); Jahangir Khan (BC hydro, Canada)

****All the timings are given in Pacific Standard Time(PST (GMT-8))***

SESSION 16: SIGNAL DETECTION AND PROCESSING AND MACHINE LEARNING**SESSION CHAIR: DEBASISH GUHA (SP JAIN SCHOOL OF GLOBAL, INDIA)****SESSION TIME: 11:45 A.M –1:00 P.M****PARTICIPATION LINK : <https://zoom.us/j/94565154206?pwd=SVJnbXVEOHZTRUxoZnJXa3FDc3RhQT09>**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
11:45 A.M – 12:00 P.M	1570673667	A Low Cost sEMG Development Platform for Hand Joint Angle Acquisition	Brendan P. Beauchamp, Christian P Vollmers, M. M. SuvroShahriar and NabeehKandalaft (Grand Valley State University, USA)
12:00 P.M – 12:15 P.M	1570679731	Analysis of CNN Based Schemes for LDPC Code Classification Using LUT Based Algorithms	Bradley Comar (US DoD, USA)
12:15 P.M – 12:30 P.M	1570677770	Asset Integrity Monitoring of Wind Turbine Blades With Non-Destructive Radar Sensing	Jamie R. D. Blanche (Heriot-Watt University & Smart Systems Group, United Kingdom (Great Britain)); Adrian Tang and Daniel Mitchell (Heriot-Watt University, United Kingdom (Great Britain)); David Flynn (Heriot Watt University, United Kingdom (Great Britain)); Ranjeetkumar Gupta (Heriot-Watt University, United Kingdom (Great Britain))
12:30 P.M – 12:45 P.M	1570680969	Comparing Radar Receiver Pulse Deinterleaving Performance of Differing Window Functions for Bandpass FIR Filter Design	Cesar Martinez Melgoza, Henry Lin, Illianna Izabal, AmeyaGovalkar, Kayla J Lee, Kiran George and Alex Erdogan (California State University, Fullerton, USA)
12:45 P.M – 1:00 P.M	1570664315	A Model to Enhance Governance Issues Through Opinion Extraction	Kamran Shaukat (The University of Newcastle, Australia)

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DAY: 3 **6th November,2020**

TIME	NAME OF THE EVENT
PARTICIPATION LINK : https://zoom.us/j/99752558686?pwd=MmNTbFFDZCt5bkR3dE9VRDlle3BJZz09	
8:30 A.M – 9:15 A.M	KEYNOTE ADDRESS BY BARRY SANDERS (UNIVERSITY OF CALGARY, CANADA) TITLE OF TALK: SECURITY FOR QUANTUM NETWORKS
9:15 A.M – 10:00 A.M	KEYNOTE ADDRESS BY ALEXANDER FERWORN (RYERSON UNIVERSITY, CANADA) TITLE OF TALK: ALGORITHMIC THINKING FOR COMPUTATIONAL PUBLIC SAFETY (CPS)
10:00 A.M – 10:15 A.M	-----BREAK-----

**All the timings are given in Pacific Standard Time(PST (GMT-8))*

PARALLEL SESSIONS

SESSION 17: MACHINE LEARNING

SESSION CHAIR: STEVE CHAN (HARVARD UNIVERSITY, USA)

SESSION TIME: 10:15 A.M – 11:30 A.M

PARTICIPATION LINK : <https://zoom.us/j/92731789412?pwd=cE1oYVBKUKVyTmlTL3QvMld3M0xUQT09>

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
10:15 A.M – 10:30 A.M	1570682129	Study of EEG Signals for Focus Detection for Cocktail Party Phenomenon Using Multiple Sources of Sound	Brandon Hoang, Urmil Shah, Ryan Villanueva and Kiran George (California State University, Fullerton, USA)
10:30 A.M – 10:45 A.M	1570682094	Machine Learning for Breast Cancer Classification With ANN and Decision Tree	Reetodeep Hazra and Megha Banerjee (Techno International New Town, India); Leonardo Badia (Università degli Studi di Padova, Italy)
10:45 A.M – 11:00 A.M	1570681546	Activity Recognition and Localization Based on UWB Indoor Positioning System and Machine Learning	Long Cheng (ABB Inc., USA); Anguo Zhao (University of California Irvine, USA); Kexin Wang (University of Minnesota, Twin Cities, USA); Hengguang Li (Pennsylvania State University, USA); Yifan Wang (Rensselaer Polytechnic Institute, USA); Ruofei Chang (School of Social Sciences, University of California Irvine, USA)
11:00 A.M – 11:15 A.M	1570681491	DenseYOLO: Yet Faster, Lighter and More Accurate YOLO	Solomon Negussie Tesema (University of Burgundy & Dire Dawa University, France); El-Bey Bourenane (Université de Bourgogne, France)
11:15 A.M – 11:30 A.M	1570681427	Can GAN-Generated Network Traffic Be Used to Train Traffic Anomaly Classifiers?	Pasquale A Zingo and Andrew Novocin (University of Delaware, USA)

****All the timings are given in Pacific Standard Time (PST (GMT-8))***

SESSION 18: BODY AND PERSONAL AREA NETWORKS AND ROBOTICS AND AUTONOMOUS SYSTEMS**SESSION CHAIR: ZIYA ARNAVUT (SUNY FREDONIA, USA)****SESSION TIME: 10:15 A.M – 11:15 A.M****PARTICIPATION LINK : <https://zoom.us/j/93203755713?pwd=ODBPTFN2RHpEQ1I4WVVAxN0RwL2pDZz09>**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORSWITH AFFILIATION & COUNTRY
10:15 A.M – 10:30 A.M	1570674090	Deep Learning Technique in Recognizing Hand Grasps Using FMG Signals	UmmeZakia (Simon Fraser University, Canada); Xianta Jiang (Memorial University of Newfoundland, Canada); Carlo Menon (Faculty of Applied Sc., Simon Fraser University, Canada)
10:30 A.M – 10:45 A.M	1570677590	Autonomous Perching of an Omni-Directional Unmanned Aerial Vehicle	Christopher Baird and Scott B. Nokleby (Ontario Tech University, Canada)
10:45 A.M – 11:00 A.M	1570679544	Manual and Autonomous Mode Based Navigation Using Human Robot Interaction on a Robotic Vehicle	Balasubramanian Chandrasekaran and Manasa Mainampati (Florida Polytechnic University, USA)
11:00 A.M – 11:15 A.M	1570678049	Detection of Long Narrow Landing Features for Autonomous UAV Perching	Florentin von Frankenberg (University of Ontario Institute of Technology & UOIT, Canada); Scott B. Nokleby (Ontario Tech University, Canada)

****All the timings are given in Pacific Standard Time(PST (GMT-8))***

SESSION 19: INTERNET OF THINGS**SESSION CHAIR: YEHIA KOTB(AMERICAN UNIVERSITY OF THE MIDDLE EAST, KUWAIT)****SESSION TIME: 10:15 A.M – 11:30 A.M****PARTICIPATION LINK : <https://zoom.us/j/99356906466?pwd=bjhDZTJCR2ZnMm9hdy9kcDJrUkY4UT09>**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORSWITH AFFILIATION & COUNTRY
10:15 A.M – 10:30 A.M	1570678469	Open Source IoT-Based SCADA System for Remote Oil Facilities Using Node-RED and Arduino Microcontrollers	Charles A Osaretin and Mohammad Zamanlou (Memorial University, Canada); Mohammad Tariq Iqbal (Memorial University of Newfoundland, Canada); Stephen Butt (Memorial University, Canada)
10:30 A.M – 10:45 A.M	1570680229	Design & Implementation of IoT Based Smart Helmet for Road Accident Detection	Mohammad EhsanulAlim (7/K Siddique Mir, Block D, Bashundhara, Bangladesh & Nanyang Technological University, Singapore); Sarosh Ahmad (Government College University, Faisalabad, Pakistan); Marzieh Naghdi Dorabati (University of Isfahan, Iran); Ihab Hassoun (City University, Tripoli, Lebanon)
10:45 A.M – 11:00 A.M	1570681829	LoRaWAN Internet of Things Network Planning for Smart City in Bandung Areas	MaruliTua Baja Sihotang, Muhammad Imam Nashiruddin and Muhammad AryMurti (Telkom University, Indonesia)
11:00 A.M – 11:15 A.M	1570682175	Morphing Quadcopters	James H Samawi (Cal State Fullerton, USA); AmeyaGovalkar, Thanat Tothong and Kiran George (California State University, Fullerton, USA)
11:15 A.M – 11:30 A.M	1570680688	Design of an IoT Interface for a Solar Energy System with Vehicle to Home Option for Newfoundland Conditions	Raghul Suraj Sundararajan (Memorial University of Newfoundland & NA, Canada); Mohammad Tariq Iqbal (Memorial University of Newfoundland, Canada)

**All the timings are given in Pacific Standard Time(PST (GMT-8))*

SESSION 20: MOBILE COMPUTING AND MACHINE LEARNING**SESSION CHAIR: ALEJANDRO I. BARRANCO-GUTIERREZ(TECNM CELAYA, MEXICO)****SESSION TIME: 10:15 A.M – 11:30 A.M****PARTICIPATION LINK : <https://zoom.us/j/99766185554?pwd=RDNMVTRjWUxkZ3kwcDhRREF0NUQvZz09>**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
10:15 A.M – 10:30 A.M	1570678475	Approximate Continuous Nearest Neighbour Query Processing in Clustered Point Sets	Wendy K Osborn and Cole Anderson (University of Lethbridge, Canada)
10:30 A.M – 10:45 A.M	1570681281	Robust Deep Learning Technique-UNet Architecture for Pupil Segmentation	Swathi Gowroju (Lovely Professional University, India); Aarti Aarti (Lovely Professional University, India); Sandeep Kumar (Sreyas Institute of Engineering and Technology, India)
10:45 A.M – 11:00 A.M	1570680682	Preceding Route Segment Grade Impact Descent Model-Based Vehicle Travel Range Prediction	Phalanndwa Makhwathana and Zenghui Wang (University of South Africa, South Africa)
11:00 A.M – 11:15 A.M	1570680201	Privacy Illusion: Beware of Unpadded DoH	Karel Hynek (Faculty of Information Technology CTU in Prague, Czech Republic); Tomas Cejka (CESNET z. s. p. o., Czech Republic)
11:15 A.M – 11:30 A.M	1570680824	A Streaming Stock Market Application Adapted to a Mobile Device	Janie Huang and Wendy K Osborn (University of Lethbridge, Canada)

****All the timings are given in Pacific Standard Time(PST (GMT-8))***

SESSION 21: WIRELESS MULTICASTING, BROADCASTING AND GEO-CASTING, SELF-ORGANISING NETWORKS, NETWORK ARCHITECTURES AND NETWORK SECURITY

SESSION CHAIR: HEBA ELGAZZAR(MOREHEAD STATE UNIVERSITY,USA)

SESSION TIME: 11:45 A.M –1:00 P.M

PARTICIPATION LINK : <https://zoom.us/j/96038557509?pwd=TmYyb25oRnNTTjVXVrNCNUt6cHlpQT09>

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORSWITH AFFILIATION & COUNTRY
11:45 A.M – 12:00 P.M	1570680321	Tropospheric Trapping Refractive Conditions over Black Sea and Its Impact over Radio Wave Propagation	Nikolay Grozev (Technical University of Varna, Bulgaria)
12:00 P.M – 12:15 P.M	1570681487	Moving Target Defense Application and Analysis in Software-Defined Networking	Charan Gudla (The University of Southern Mississippi, USA); Andrew Sung (University of Southern Mississippi, USA)
12:15 P.M – 12:30 P.M	1570680051	Improving the Availability of Firewalls with a View to Increasing ICT Consumption Due Covid-19	Edson Ursini (College of Technology, Brazil); Henry de Castro Lobo dos Santos (Universidade Estadual de Campinas & Faculdade de Tecnologia, Brazil); Marcelo Okano (EAESP-FGV & CPS, Brazil)
12:30 P.M – 12:45 P.M	1570676877	A Single-Tier Fog Architecture for Delay-Sensitive and Computation-Intensive SFC Requests	Adrian Jaesim (University of Mount Union, USA); Nazli Siasi (University of South Florida, USA); Diogo Oliveira (Florida State University, USA); Sreeharsha Malapaka (University of Southern California, USA); Okechukwu Ugweje (University of Mount Union, USA & Nile University of Nigeria, Nigeria)
12:45 P.M – 1:00 P.M	1570681354	Text Classification of Digital Forensic Data	Jongyeop Kim, Hayden Wimmer, Christian Nwankwo and Lei Chen (Georgia Southern University, USA)

****All the timings are given in Pacific Standard Time(PST (GMT-8))***

SESSION 22: FUTURE WIRELESS INTERNET, COOPERATIVE COMMUNICATIONS, CLOUD AND VIRTUAL NETWORKS AND ELECTRONIC INSTRUMENTATIONS

SESSION CHAIR: KINGSLEY A. OGUDO (UNIVERSITY OF JOHANNESBURG, SOUTH AFRICA)

SESSION TIME: 11:45 A.M –1:00 P.M

PARTICIPATION LINK : <https://zoom.us/j/92534056227?pwd=OTBEZ3BJWFhHYnR1cVVMNTFMSVMyUT09>

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
11:45 A.M – 12:00 P.M	1570682211	An Energy-Efficient Machine-Type Communication for Maritime Internet of Things	Payam Rahimi (Frederick University Cyprus, Cyprus); Chrysostomos Chrysostomou (Frederick University, Cyprus); Ioannis Kyriakides (University of Nicosia Research Foundation, Cyprus); Vasos Vassiliou (University of Cyprus & RISE - Research Center on Interactive Media, Smart Systems and Emerging Technologies, Cyprus)
12:00 P.M – 12:15 P.M	1570679822	Customer Experience Management Platform (CEMP)	Pubudu M Dias (Wayamba University of Sri Lanka & Sri Lanka Telecom PLC, Sri Lanka); Anuradha Udunuwara and Rajiv Weragama (Sri Lanka Telecom PLC, Sri Lanka); Praharshin M Senadeera (Wayamba University of Sri Lanka, Sri Lanka)
12:15 P.M – 12:30 P.M	1570681036	Towards Resilient Adaptive Vehicular Fog Computing	Muhammad M Sayed (Alexandria University, Egypt); Mona Kashkoush (The City of Scientific Research and Technological Applications, Egypt); Mohamed Azab (Advanced Computing and Information Systems Laboratory, ECE, University of Florida & Virginia Tech, USA)
12:30 P.M – 12:45 P.M	1570677415	A Novel Sensor Design to Sense Liquid Chemical Mixtures Using Photonic Crystal Fiber to Achieve High Sensitivity and Low Confinement Losses	Mirza Mohd Shahriar Maswood (Khulna University of Engineering & Technology, Bangladesh); MdAshif Uddin (Khulna University, Bangladesh); Uzzwal Kumar Dey (Khulna University of Engineering & Technology, Bangladesh); Moriom Akter (Khulna University, Bangladesh); Shamima Sultana Sonia (Khulna University of Engineering & Technology, Bangladesh); Abdullah G. Alharbi (University of Missouri - Kansas City, MO, USA)
12:45 P.M – 1:00 P.M	1570681357	An Enhanced FDTD Algorithm for Analyzing Inhomogeneous Multilayer Waveguides and Filters	Mohamed Karim Laoufi (LCPTS Laboratory, USTHB University, Algeria); Slimane Mekaoui (University of Technology and Sciences Houari Boumediene, Algeria); Mohamed Lamine Tounsi (PEDCL Laboratory, USTHB University, Algeria)

****All the timings are given in Pacific Standard Time (PST (GMT-8))***

SESSION 23: BUSINESS INTELLIGENCE AND APPLICATIONS, EVOLUTIONARY COMPUTATION AND ALGORITHMS AND VISUALIZATION AND COMPUTER GRAPHIC

SESSION CHAIR: XIANPING WANG(PURDUE UNIVERSITY OF NORTHWEST, USA)

SESSION TIME: 11:45 A.M –1:00 P.M

PARTICIPATION LINK : <https://zoom.us/j/96779161367?pwd=RVg5L0VnMGk5ajlzVXlvVTVUUVG03dz09>

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
11:45 A.M – 12:00 P.M	1570673322	Ridesharing Based on a Discrete Self-Adaptive Differential Evolution Algorithm	Fu-Shiung Hsieh (Chaoyang University of Technology, Taiwan)
12:00 P.M – 12:15 P.M	1570681444	ECG Knowledge Discovery Based on Ontologies and Rules Learning for the Support of Personalized Medical Decision Making	Muthana Zouri, Nicoleta Zouri and Alex Ferworn (Ryerson University, Canada)
12:15 P.M – 12:30 P.M	1570674285	Fourfold Properties of Light and Its Relevance to Quantum Computation	Pravir Malik (Deep Order Technologies, USA); Lalitha Nallamotheula (CTS, USA)
12:30 P.M – 12:45 P.M	1570678431	Number Representation and Arithmetic in the Human Brain	Jennifer Volk and Behrooz Parhami (University of California, Santa Barbara, USA)
12:45 P.M – 1:00 P.M	1570677970	An Initial Julia Simulation Approach to Material Handling Operations from Motion Captured Data	Miguel Hernandez, Damian Valles, David Wierschem, Rachel Koldenhoven and George Koutitas (Texas State University, USA); Francis Méndez (unknown); Semih Aslan and Jesus Jimenez (Texas State University, USA)

****All the timings are given in Pacific Standard Time(PST (GMT-8))***

SESSION 24: IMAGE PROCESSING AND MULTIMEDIA TECHNOLOGY, SIGNAL DETECTION AND PROCESSING AND ELECTRONIC POWER CONVERTERS AND INVERTERS

SESSION CHAIR: FREDERIC DUFAUX(CNRS, FRANCE)

SESSION TIME: 11:45 A.M –1:00 P.M

PARTICIPATION LINK : <https://zoom.us/j/95152427071?pwd=US9IQzFVQWpLUUdzcHBFNGRGZxcxQT09>

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
11:45 A.M – 12:00 P.M	1570678048	Burrows-Wheeler Transformation for Medical Image Compression	Aierken Shalayiding and Ziya Arnavut (SUNY Fredonia, USA); Basar Koc (Stetson University, USA); Huseyin Kocak (University of Miami, USA)
12:00 P.M – 12:15 P.M	1570680346	Blood Vessel Segmentation in Fundus Images Using Hessian Matrix for Diabetic Retinopathy Detection	Michael Chi Seng Tang (UniversitiSains Malaysia, Malaysia); Soo Siang Teoh (UniversitiSains Malaysia & Intelligent Biometric Group, Malaysia)
12:15 P.M – 12:30 P.M	1570681501	Semidefinite Relaxation for Millimeter Wave Massive MIMO Detection	Mohamed Alouzi (University of Ottawa, Canada); Francois Chan (Royal Military College, Canada); Claude D'Amours (University of Ottawa, Canada)
12:30 P.M – 12:45 P.M	1570674332	A Novel Compact Microstrip Dual-Band Bandpass Filter Using Optimum Coupling Matrix for WLAN Applications	Mehrdad Harifi-Mood (University of Birjand, Iran); Nabeeh Kandalafi (Grand Valley State University, USA); AbolfazlBijari (University of Birjand, Iran)
12:45 P.M – 1:00 P.M	1570681538	Improving the Performance of DSRC Using OFDM-IM, Dynamic Equalization and Multiple Receive Antennas	Larry Hocken (Royal Military College of Canada, Canada); Francois Chan (Royal Military College, Canada)

****All the timings are given in Pacific Standard Time(PST (GMT-8))***

DAY: 4	7th November, 2020
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TIME	NAME OF THE EVENT
PARTICIPATION LINK : https://zoom.us/j/97652305592?pwd=MWt2NXVzZ0VkcTFFWUFqeXF6anRpQT09	
8:30 A.M – 9:15 A.M	KEYNOTE ADDRESS BY GERALD PENN (UNIVERSITY OF TORONTO, CANADA) TITLE OF TALK: "UNDERSTANDING LANGUAGE" WITH DEEP LEARNING
9:15 A.M – 10:00 A.M	KEYNOTE ADDRESS BY FRÉDÉRIC DUFAUX (CNRS, FRANCE) TITLE OF TALK: HYPER-REALISTIC IMAGING FOR ENHANCED QUALITY OF EXPERIENCE
10:00 A.M – 10:15 A.M	-----BREAK-----
11:30 A.M – 11:45 A.M	CLOSING CEREMONY (https://zoom.us/j/94280259832?pwd=SHJzN0JyeDhzTmxsbklOZUJjNzhaZz09)

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PARALLEL SESSIONS

SESSION 25: INFORMATION SECURITY AND ENCODING TECHNOLOGY, VISUALIZATION AND COMPUTER GRAPHIC, ELECTRONIC INSTRUMENTATIONS, CONTROL THEORY AND APPLICATIONS

SESSION CHAIR: ALEJANDRO I. BARRANCO-GUTIERREZ(TECNM CELAYA, MEXICO)

SESSION TIME: 10:15 A.M – 11:30 A.M

PARTICIPATION LINK : <https://zoom.us/j/95678695234?pwd=OUlldnd4bHhON01EWGpDLzJKbFBFQT09>

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
10:15 A.M – 10:30 A.M	1570673244	Implementation of the Nonbinary Encoder and Decoder for Systematic Low Density Parity Check Codes on Raspberry-Pi Boards	Abhishek Maheshwari and Usana Tuntoolavest (Kasetsart University, Thailand); Kazuhiko Fukawa (Tokyo Institute of Technology, Japan)
10:30 A.M – 10:45 A.M	1570671564	State-Of-The-Art VANET Trust Models: Challenges and Recommendations	Hritik Sateesh and Pavol Zavorsky (Concordia University of Edmonton, Canada)
10:45 A.M – 11:00 A.M	1570681414	Testing Various Riot Control Police Formations Through Agent-Based Modeling and Simulation	Andrew J. Park and Ryan Ficocelli (Thompson Rivers University, Canada); Lee Patterson (Justice Institute of British Columbia, Canada); Valerie Spicer (Simon Fraser University, Canada); Herbert H. Tsang (Trinity Western University, Canada); Frank Doditch (Justice Institute of British Columbia, Canada)
11:00 A.M – 11:15 A.M	1570682162	A Novel FDTD Algorithm for Analyzing Imperfect Microwave Filters	Mohamed Karim Laoufi (LCPTS Laboratory, USTHB University, Algeria); Slimane Mekaoui (University of Technology and Sciences Houari Boumediene, Algeria); Mohamed LamineTounsi (PEDCL Laboratory. USTHB University, Algeria)
11:15 A.M – 11:30 A.M	1570681230	Ringling Test for Negative Feedback Amplifiers	Tri Minh Tran (Gunma University & Informatics Engineering, Japan)

SESSION 26: ADAPTIVE CONTROL, INDUSTRIAL AUTOMATION AND CONTROL SYSTEMS TECHNOLOGY, SOFTWARE ENGINEERING AND OTHERS**SESSION CHAIR: XIANTA JIANG(MEMORIAL UNIVERSITY OF NEWFOUNDLAND, CANADA)****SESSION TIME: 10:15 A.M – 11:30 A.M****PARTICIPATION LINK : <https://zoom.us/j/97835877906?pwd=azN3ZTZmRHUydzZzWXBqNTlkTmZudz09>**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
10:15 A.M – 10:30 A.M	1570682102	Quadcopter Control in Three-Dimensional Space Using SSVEP and Motor Imagery-Based Brain-Computer Interface	Devaj N Parikh and Kiran George (California State University, Fullerton, USA)
10:30 A.M – 10:45 A.M	1570676493	Design and Control of an Off-Grid Solar System for a Rural House in Pakistan	Asif Ur Rehman and Mohammad Tariq Iqbal (Memorial University of Newfoundland, Canada)
10:45 A.M – 11:00 A.M	1570667378	Overcome IT Lab Challenge in COVID-19 with Windows-To-Go	Changshi Yang (Purdue University Northeast, USA); Xianping Wang (Purdue University of Northwest, USA); Ying Luo and George Stefanek (Purdue University Northwest, USA)
11:00 A.M – 11:15 A.M	1570674138	Smart and Interactive Laboratory Setup to Teach Controller Area Network Protocol	Thisuri Indiketiya (University of Ruhuna, Sri Lanka)
11:15 A.M – 11:30 A.M	1570677694	Design and Analysis of off Grid Solar System for DC Load of a House in Pakistan	Chaudhry Bilal Muzaffar and Mohammad Tariq Iqbal (Memorial University of Newfoundland, Canada)

****All the timings are given in Pacific Standard Time(PST (GMT-8))***

SESSION 27: ELECTRONIC POWER CONVERTERS AND INVERTERS AND OTHERS**SESSION CHAIR: ZIYA ARNAVUT (SUNY FREDONIA, USA)****SESSION TIME: 10:15 A.M – 11:15 A.M****PARTICIPATION LINK : <https://zoom.us/j/97395180621?pwd=b2lPMtliYnFvOTZyRmpSNmtrRCtxQT09>**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
10:15 A.M – 10:30 A.M	1570672462	A Survey on the E-Learning Platforms Used During COVID-19	Xianping Wang (Purdue University of Northwest, USA); Weiru Chen (Old Dominion University, USA); HaoQiu and Awad Eldurssi (Fort Valley State University, USA); Fei Xie (Northern Arizona University, USA); Jiayue Shen (SUNY Polytechnic Institute, USA)
10:30 A.M – 10:45 A.M	1570674330	A Low-Power Tapered Matrix Distributed Amplifier for Ultra-Wide-Band Applications	Nabeeh Kandalaft (Grand Valley State University, USA); Mehrdad Harifi-Mood and AbolfazlBijari (University of Birjand, Iran); Somayye Avval (University of Birjand, USA)
10:45 A.M – 11:00 A.M	1570679880	Handover Performance Improvement in Heterogeneous Wireless Network	Nada Ahmed Ezz-Eldien (Faculty of Engineering, Port Said University, Egypt)
11:00 A.M – 11:15 A.M	1570681221	Information Security and Organisational Agility in the Digital Era: Exploring the Role of IT Alignment	Gideon Mekonnen Jonathan (Stockholm University, Sweden); Bemenet Kasahun Gebremeskel (Bahir Dar University, Ethiopia)

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SESSION 28: MACHINE LEARNING, INFORMATION RETRIEVAL AND OTHERS**SESSION CHAIR: MIRZA MOHD SHAHRIAR MASWOOD (KHULNA UNIVERSITY OF ENGINEERING & TECHNOLOGY, BANGLADESH)****SESSION TIME: 10:15 A.M – 11:30 A.M****PARTICIPATION LINK : <https://zoom.us/j/98227487536?pwd=S24zdEdLc2k1UW5JbzZUQ21RYTVpQT09>**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
10:15 A.M – 10:30 A.M	1570680977	Privacy and Security in the Digitalisation Era	Gideon Mekonnen Jonathan (Stockholm University, Sweden); Bemenet Kasahun Gebremeskel (Bahir Dar University, Ethiopia); Sileshi Demesie Yalew (Addis Ababa University, Ethiopia)
10:30 A.M – 10:45 A.M	1570681521	Factors Affecting Satisfaction with Serious Games - Direct, Mediated and Higher-Order Constructs	Ruben Chambilla, Daniel Tomiuk, Suzanne Marcotte, Michel Plaisent and Prosper Bernard (University of Quebec in Montreal, Canada)
10:45 A.M – 11:00 A.M	1570681945	Performance Evaluation of OQAM-FBMC System With STBC/SM MIMO Over Rayleigh Fading Channel	Aya Tarek Abou-Elkheir (University of Salford, United Kingdom (Great Britain) & Arab Academy for Science and Technology, Egypt); Ehab F. Badran (Arab Academy for Science, Technology and Maritime Transport, Egypt); Omar Younis Alani (University of Salford, United Kingdom (Great Britain))
11:00 A.M – 11:15 A.M	1570673616	Simple Approximations for Fast and Secure Deep Learning on Genomic Data	Delica S Leboe-McGowan, Md. Momin Al Aziz and Noman Mohammed (University of Manitoba, Canada)
11:15 A.M – 11:30 A.M	1570673080	Spectral Bloom Filters for Client Side Search	Parth Mitesh Parikh, Mrunank Diwakar Mistry, Dhruvam Kothari and Sunil Khachane (Rajiv Gandhi Institute of Technology, India)

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