



IEMTRONICS

International Conference



IEEE IEMTRONICS 2020

Virtual Conference

International IOT, Electronics and Mechatronics Conference 2020
UBC, Vancouver, Canada
9th -12th September 2020

**All the timings are given in Vancouver time (Pacific Daylight Time)*

TECHNICAL SCHEDULE : CONTENT

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	KEYNOTE 1 (Dr. William Lehr, Massachusetts Institute of Technology, USA)	8:45 A.M – 9:30 A.M		
	KEYNOTE 2 (Dr. Gideon Samid, CTO, BitMint, Case Western Reserve University, USA)	9:45 A.M – 10:30 A.M		
	Track 1: Electronics & Mobile Communication	SESSION 1	10:45 A.M – 11:57 A.M	5
		SESSION 2	12:00 P.M - 1:12 P.M	6
	Track 2: Information theory & IOT & Data Science	SESSION 3	10:45 A.M – 11:57 A.M	7
		SESSION 4	12:00 P.M - 1:12 P.M	8
	Track 3: Mechatronics	SESSION 5	10:45 A.M – 11:57 A.M	9
		SESSION 6	12:00 P.M - 1:12 P.M	10
	DAY 2 (10th Sept, 2020)	KEYNOTE 3 (Dr. Vincent Chan, Massachusetts Institute of Technology, USA)	8:45 A.M – 9:30 A.M	11
KEYNOTE 4 (Dr. Chuck Easttom, University of Dallas, USA & Georgetown University, USA)		9:45 A.M – 10:30 A.M		
Track 1: Electronics & Mobile Communication		SESSION 7	10:45 A.M – 11:57 A.M	12
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TECHNICAL SCHEDULE : CONTENT (contd..)

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DAY 3 (11 th Sept, 2020)	KEYNOTE 5 (Dr. Phillip Bradford, University of-Connecticut-Stamford, USA)	8:45 A.M – 9:30 A.M	18	
	KEYNOTE 6 (Dr. Ali Kanso, Senior SW Engineer at Microsoft, USA)	9:45 A.M – 10:30 A.M		
	PLENARY TALK ON DATA SCIENCE (Dr. Ayyapparaj Radhakrishnan Ganesan, Vice President, Machine Learning at Morgan Stanley, USA)	10:45 A.M-11:15 A.M		
	Track 1: Electronics & Mobile Communication	SESSION 13	11:30 A.M-12:42 P.M	19
		SESSION 14	12:45 P.M-1:57 P.M	20
	Track 2: Information theory & IOT & Data Science	SESSION 15	11:30 A.M-12:42 P.M	21
		SESSION 16	12:45 P.M-1:57 P.M	22
	Track 3: Mechatronics	SESSION 17	11:30 A.M-12:30 P.M	23
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DAY 4 (12 th Sept, 2020)	KEYNOTE 7 (Dr. Ronald F. DeMara, University of Central Florida, USA)	8:45 A.M – 9:30 A.M	25	
	KEYNOTE 8 (Dr. Scott C. Smith, Texas A&M University-Kingsville, USA)	9:45 A.M – 10:30 A.M		
	Track 1: Electronics & Mobile Communication	SESSION 19	10:45 A.M – 11:57 A.M	26
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DAY 1:

9th September, 2020

TIME	NAME OF THE EVENT
8:00A.M – 8:45 A.M	INAUGURATION
8:45 A.M – 9:30 A.M	KEYNOTE ADDRESS BY DR. WILLIAM LEHR (MASSACHUSETTS INSTITUTE OF TECHNOLOGY, USA) TITLE OF TALK: FUTURE OF SPECTRUM MANAGEMENT
9:30 AM- 9:45 AM	QUESTION & ANSWER SESSION
9:45 A.M – 10:30 A.M	KEYNOTE ADDRESS BY DR. GIDEON SAMID (CTO, BITMINT, CASE WESTERN RESERVE UNIVERSITY, USA) TITLE OF TALK: IOT PAYMENT TECHNOLOGY
10:30 AM- 10:45 AM	QUESTION & ANSWER SESSION

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PARALLEL SESSIONS : Electronics & Mobile Communication

SESSION 1			
SESSION CHAIR: Dr. Rasha Kashef, Ryerson University, Canada (Rapporteur: Soham Kanti Bishnu, Srijita Chakraborty)			
SESSION TIME: 10:45 A.M – 11:57 A.M			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
10:45 A.M – 10:57 A.M	1570667360	Ring-Shaped Force Platform for Developing an Instrumented Throwing and Shifting Forces Due to Rotation Analysis	Abdulkadhum Ameen Hassan (University of Kufa, Iraq)
10:57 A.M – 11:09 A.M	1570664176	Increasing Autonomy of I/O Cores in Heterogeneous FPGA-SoCs for Data Acquisition Applications	Robert Drehmel (Technische Universität Berlin, Germany); Markus Hefele (Technical University Munich, Germany)
11:09 A.M – 11:21 A.M	1570670129	Study on the Biochemical Nanoparticles for Bio-Imaging and Molecular Diagnostics of Alzheimer's Disease	Elliot Shi and Amanda Kyung (NVRHS Cresskill, NJ, USA Demarest, NJ)
11:21 A.M – 11:33 A.M	1570669201	Dielectric Characterization of Borofloat and Some Classic Glasses by the Coaxial Cable Method	Abdoulaye Sissoko (University of Nantes & Polytechnique, France)
11:33 A.M – 11:45 A.M	1570663745	Object Detection and Classification by Cascade Object Training	Ahmed Masud Chowdhury (IUPUI, USA); Jafrina Jabin (North South University, Bangladesh); Erteza Tawsif Efaz (Ahsanullah University of Science & Technology, Bangladesh); Md Ehtesham Adnan and Ashfia Binte Habib (North South University, Bangladesh)
11:45 A.M – 11:57 A.M	1570662567	An Adaptive Overlap-Pipelined Multitasking Superscalar Processor	Mong Sim (University of Colorado Colorado Springs, USA); Qing Yi (University of Colorado at Colorado Springs, USA)

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SESSION 2			
SESSION CHAIR: Dr. Md L Ali, Rider University, USA(Rapporteur: Sayantani Chowdhury, Soumik Kundu)			
SESSION TIME: 12:00 P.M - 1:12 P.M			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
12:00 A.M - 12:12 P.M	1570665060	Anomalous Enhancement of Volume and Surface Refractive Index Sensitivity of Fiber Bragg Grating Sensors with Deposition of Gold Nanoparticles	Sankhyabrata Bandyopadhyay, Liyang Shao, Jie Hu and Jiahao Jiang (Southern University of Science and Technology, China)
12:12 P.M - 12:24 P.M	1570665514	Deployment Optimization of Dynamic Wireless Electric Vehicle Charging Systems: A Review	Eiman A Elghanam, Mohamed S. Hassan and Ahmed Osman (American University of Sharjah, United Arab Emirates)
12: 24 P.M - 12:36 P.M	1570665854	Multiple Objects Tracking Using Radar for Autonomous Driving	Muhammad Ishfaq Hussain (Gwangju Institute of Science and Technology, Korea (South)); Muhammad Shoaib Azam (Gwangju Institute of Science and Technology, Republic of Korea, Korea (South)); Farzeen Munir and Zafran Khan (Gwangju Institute of Science and Technology, Korea (South)); Moongu Jeon (Gwangju Institute of Science and Technology (GIST), Korea (South))
12: 36 P.M - 12:48 P.M	1570666971	Assessing Efficiency and Aging of Lithium-Ion Battery in a Hybrid Energy Storage System	Hazem Sharf, Eiman A Elghanam, Mohamed S. Hassan and Ahmed Osman (American University of Sharjah, United Arab Emirates)
12: 48 P.M - 1:00 P.M	1570670122	Biomechanics of Bio-Fluid in the Microfluidic Channels Using Computer Simulations	Richard Kyung (CRG-NJ, USA) , Aaron Zhao (Harvard-Westlake School)
1:00 P.M - 1:12 P.M	1570664091	Model Predictive Speed Control of DC-DC Buck Converter Driven DC-Motor with Various Load Torque Values	Mohamed E Albira, Abdullah Alzahrani and Mohamed Zohdy (Oakland University, USA)

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PARALLEL SESSIONS : Information theory & IOT & Data Science

SESSION 3			
SESSION CHAIR: Dr. Heba Elgazzar, Morehead State University, USA (Rapporteur: Sutapa Ray Adhikary, Sutanu Ghosh)			
SESSION TIME: 10:45 A.M – 11:57 A.M			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
10:45 A.M – 10:57 A.M	1570661465	PCA, Random-Forest and Pearson Correlation for Dimensionality Reduction in IoT IDS	Alaa Z Alhowaide (Memorial University of Newfoundland, Canada); Izzat Alsmadi (Texas A&M San Antonio, USA); Jian Tang (Memorial University of Newfoundland, Canada)
10:57 A.M – 11:09 A.M	1570661645	Baseline Assessment, Intervention, and Interval Reassessment of Clinical Information Systems Infrastructure in an Academic Regional Referral Emergency Department	Amelia Gurley, James Tanch and David Portelli (Alpert Medical School of Brown University, USA); Cedric Priebe, Jeffrey Berube, Adam Dieffenbach, Renee Harris, Maliha Jalal, Stephen Sayles and Allan Smulling (Lifespan, USA); Gregory Jay and Leo Kobayashi (Alpert Medical School of Brown University, USA)
11:09 A.M – 11:21 A.M	1570661996	Development of an Algorithm for Optimizing the Technological Process of Kaolin Enrichment	Ibrokhimali H Normatov, PhD (National University of Uzbekistan named after Mirzo Ulugbek, Uzbekistan)
11:21 A.M – 11:33 A.M	1570662419	Feature Selection for Deep Neural Networks in Cyber Security Applications	Alexander Davis and Shahab Tayeb (California State University, Fresno, USA); Sumanjit Gill and Robert Wong (California State University, USA)
11:33 A.M – 11:45 A.M	1570662569	The Use of Agile Methodology for Porting Analog and Mixed-Signal Circuits Between Different Technology Nodes	Ebru Dalbudak (Universite du Quebec en Outaouais, Canada); Ahmed Lakhssassi (Université du Québec en Outaouais, Canada); Karim El Guemhioui (University of Quebec in Outaouais, Canada); Karim Baratli (UQO, Canada); Youcef Fouzar (AMD, Canada); Bachir Lakhssassi (UQO, Canada)
11:45 A.M – 11:57 A.M	1570662599	Breast Cancer Diagnosis in Histopathological Images Using ResNet-50 Convolutional Neural Network	Qasem S Abu Al-Haija and Adeola Adebajo (Tennessee State University, USA)

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SESSION 4			
SESSION CHAIR: Dr. Shahab Tayeb, California State University, Fresno, USA(Rapporteur: Payel Midya, Dr. Rintu Gayen)			
SESSION TIME: 12:00 P.M - 1:12 P.M			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
12:00 A.M - 12:12 P.M	1570662612	IoT-Based Recommendation Systems - an Overview	Dina Nawara and Rasha Kashef (Ryerson University, Canada)
12:12 P.M - 12:24 P.M	1570663441	Dari Speech Classification Using Deep Neural Network	Mursal Dawodi (University of the Ryukyus, Afghanistan)
12: 24 P.M - 12:36 P.M	1570663769	Vehicle Type and Color Classification and Detection for Amber and Silver Alert Emergencies Using Machine Learning	Uma Kamatchi Kesava Pillai and Damian Valles (Texas State University, USA)
12: 36 P.M - 12:48 P.M	1570664128	Detecting Physical Activities Using Body-Worn Accelerometers	Sudarshan S Chawathe (University of Maine, USA)
12: 48 P.M - 1:00 P.M	1570664490	A Novel Method for Mining Abnormal Expenses in Social Medical Insurance	Shengyao Zhou and Runtong Zhang (Beijing Jiaotong University, China)
1:00 P.M - 1:12 P.M	1570669300	Current Status on Technological Progress in Bangladesh: Relation to Major Life Drawbacks	Shahriar Khan (Independent University, Bangladesh); Navid Bin Ahmed (Independent University Bangladesh (IUB), Bangladesh)

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PARALLEL SESSIONS : Mechatronics

SESSION 5			
SESSION CHAIR: Dr. Hasan Yasar, Carnegie Mellon University, USA (Rapporteur: Kaushik Patra, Murari Shaw)			
SESSION TIME: 10:45 A.M – 11:57 A.M			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
10:45 A.M – 10:57 A.M	1570664695	Large Scale Distributed Data Processing for a Network of Humanoid Telepresence Robots	Irvin Cardenas (Kent State University & Robotica AI, USA); Pradeep Kumar Paladugula (Advanced Telerobotics Research Laboratory & Kent State University, USA); Jong-Hoon Kim (Kent State University, USA)
10:57 A.M – 11:09 A.M	1570664752	A Vision Based Voice Controlled Indoor Assistant Robot for Visually Impaired People	Saifuddin Mahmud (Kent State University, USA); Redwanul Haque Sourave (Khulna University of Engineering & Technology, USA); Md. Milon Islam (Khulna University of Engineering & Technology, Bangladesh); Jong-Hoon Kim (Kent State University, USA); Xiangxu Lin (Kent State University & Advanced Telerobotics Research Laboratory, USA)
11:09 A.M – 11:21 A.M	1570665037	Smart Temperature-Controlled Infant Car Seat Using Thermoelectric Devices	Roshni Senthilkumar (Heriot-Watt University, United Arab Emirates); Mohamed Al Musleh (Heriot Watt University, United Arab Emirates)
11:21 A.M – 11:33 A.M	1570665246	Application of Nonlinear Estimation Strategies on a Magnetorheological Suspension System with Skyhook Control	Andrew Lee and Stephen Andrew Gadsden (University of Guelph, Canada); Mohammad AlShabi (University of Sharjah, United Arab Emirates)
11:33 A.M – 11:45 A.M	1570666818	A Study of Variable Structure and Sliding Mode Filters for Robust Estimation of Mechatronic Systems	Stephen Andrew Gadsden (University of Guelph, Canada); Mohammad AlShabi (University of Sharjah, United Arab Emirates)
11:45 A.M – 11:57 A.M	1570666881	Robot Action Planning by Commonsense Knowledge in Human-Robot Collaborative Tasks	Christopher Joseph Conti, Aparna Varde and Weitian Wang (Montclair State University, USA)

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SESSION 6			
SESSION CHAIR: Dr. Aparna Varde, Montclair State University, USA (Rapporteur: Murari Shaw, Samit Karmakar)			
SESSION TIME: 12:00 P.M - 1:12 P.M			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
12:00 A.M - 12:12 P.M	1570660405	R-MnasNet: Reduced MnasNet for Computer Vision	Mohamed El-Sharkawy and Prasham Shah (Purdue School of Engineering and Technology, USA)
12:12 P.M - 12:24 P.M	1570661453	IoT Antennas for Industry 4.0 - Design and Manufacturing with an Example	Prabakar Parthiban (Auckland University of Technology & Times-7 Research Ltd, New Zealand)
12: 24 P.M - 12:36 P.M	1570661999	A Mathematical Model of Unsteady Water Movement in Sections of Main Canals Limited by Hydraulic Structures	Ibrokhimali H Normatov, PhD (National University of Uzbekistan named after Mirzo Ulugbek, Uzbekistan)
12: 36 P.M - 12:48 P.M	1570662416	An Automated Agricultural Shading for Crops with Multiple Controls	Jafrina Jabin (North South University, Bangladesh); Ahmed Masud Chowdhury (IUPUI, USA); Erteza Tawsif Efaz (Ahsanullah University of Science & Technology, Bangladesh); Md Ehtesham Adnan and Mohammad Rezaul Islam (North South University, Bangladesh)
12: 48 P.M - 1:00 P.M	1570667725	Development of an Economical SCADA System for Solar Water Pumping in Iran	Mohammad Zamanlou and Mohammad Tariq Iqbal (Memorial University of Newfoundland, Canada)
1:00 P.M-1:12 P.M	1570668942	A C Code Generator for Fast Inference and Simple Deployment of Convolutional Neural Networks on Resource Constrained Systems	Oliver Urbann and Simon Camphausen (Fraunhofer IML, Germany); Arne Moos and Ingmar Schwarz (TU Dortmund, Germany); Sören Kerner and Maximilian Otten (Fraunhofer IML, Germany)

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DAY 2: 10th September, 2020

TIME	NAME OF THE EVENT
8:30A.M – 8:45 A.M	INTRODUCTION
8:45 A.M – 9:30 A.M	KEYNOTE ADDRESS BY DR. VINCENT CHAN (MASSACHUSETTS INSTITUTE OF TECHNOLOGY, USA) TITLE OF TALK: FUTURE NETWORK ARCHITECTURES AND INFLUENCES OF THE PANDEMIC – TECHNICAL, FUNDING, REGULATIONS AND POLICIES
9:30 AM- 9:45 AM	QUESTION & ANSWER SESSION
9:45 A.M – 10:30 A.M	KEYNOTE ADDRESS BY DR. CHUCK EASTTOM (UNIVERSITY OF DALLAS, USA & GEORGETOWN UNIVERSITY, USA) TITLE OF TALK: THE IMPACT OF COMPLEXITY AND EMERGENCE ON ENGINEERING
10:30 AM- 10:45 AM	QUESTION & ANSWER SESSION

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PARALLEL SESSIONS : Electronics & Mobile Communication

SESSION 7			
SESSION CHAIR: Dr. Md L Ali, Rider University, USA (Rapporteur: Sutanu Ghosh)			
SESSION TIME: 10:45 A.M – 11:57 A.M			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
10:45 A.M – 10:57 A.M	1570668976	Optical and Electrical Characterization of n-MoS ₂ /p-Si Heterojunction Diode	Sayantika Chowdhury, P Venkateswaran and Divya Somvanshi (Jadavpur University, India)
10:57 A.M – 11:09 A.M	1570669071	Spherical Phase Method Using Phase Center Determination of a Dual-Band Patch Antenna	Rintu Gayan (IEM, India)
11:09 A.M – 11:21 A.M	1570664403	Behaviour Shockley and Sakurai Models in 7nm FinFet	Mohammad Anees (Xilinx, India); Kumar Rahul (XILINX, India); Sourabh Aditya Swarnkar (Xilinx, India); Santosh Yachareni (Xilinx Semiconductor, India)
11:21 A.M – 11:33 A.M	1570664586	Ripple Correlation Control Maximum Power Point Tracking for Battery Operated PV Systems. A Comparative Analysis	Pankaj Sahu, Ashish Sharma and Rajiv Dey (SoET, BML Munjal University, India)
11:33 A.M – 11:45 A.M	1570664667	Computational Model for Temperature in Tree Trunk for Energy Harvesting	Yajun An (University of Washington-Tacoma, USA); Orlando Baiocchi (University of Washington, USA); Michael Hockman (University of Washington, Tacoma, USA); Selina Teng (University of Washington, Seattle, USA)
11:45 A.M – 11:57 A.M	1570664989	Low-Cost ESP32, Raspberry Pi, Node-Red, and MQTT Protocol Based SCADA System	Atefeh Zare and Mohammad Tariq Iqbal (Memorial University of Newfoundland, Canada)

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SESSION 8**SESSION CHAIR: Dr. Sudarshan S Chawathe ,University of Maine, USA (Rapporteur: Dr. Rintu Gayen)****SESSION TIME: 12:00 P.M - 1:12 P.M**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
12:00 A.M - 12:12 P.M	1570663326	Clock Tree Optimization of FPGA Semi-Custom Memory with SEU FlipFlop	Sourabh Aditya Swarnkar (Xilinx, Inc. India); Kumar Rahul (XILINX, India); Mohammad Anees (Xilinx, India); Santosh Yachareni (Xilinx Semiconductor, India)
12:12 P.M - 12:24 P.M	1570669206	Design of Universal Logic Gates and Majority Gate Using One Clock Pulse Based CMOS Capacitor Coupled Threshold Logic	Arpita Dey (Institute of Engineering and Management, India); Mili Sarkar (Institute of Engineering and Management, IEM, India); Riddhi Roy and Tamonash Kanti Santra (Institute of Engineering and Management, India)
12: 24 P.M - 12:36 P.M	1570663082	Data Privacy and Protection: A Review of Wireless Body Area Networks in Telemedicine	Md L Ali (Rider University, USA)
12: 36 P.M - 12:48 P.M	1570663083	Potential Development on Cyberattack and Prospect Analysis for Cybersecurity	Md L Ali (Rider University, USA)
12: 48 P.M - 1:00 P.M	1570667466	Enabling Event Related Potential Assessments Using Low-Density Electrode Arrays: A New Technique for Denoising Individual Channel EEG Data	Sujoy Ghosh Hajra (National Research Council Canada & Simon Fraser University, Canada); Shishir Gopinath and Careesa Liu (Simon Fraser University, Canada); Gabriela Pawlowski (HealthTech Connex Inc, Canada); Shaun D Fickling (Simon Fraser University, Canada); Xiaowei Song (Fraser Health Authority, Canada); Ryan D'Arcy (Simon Fraser University, Canada)
1:00 P.M - 1:12 P.M	1570668427	A Low SWaP-C Radar Altimeter Transceiver Design for Small Satellites	Ozan Dogan (Delft & TU Delft, The Netherlands)

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PARALLEL SESSIONS : Information theory & IOT & Data Science

SESSION 9			
SESSION CHAIR: Dr. Shahab Tayeb, California State University, Fresno, USA(Rapporteur: Samit Karmakar)			
SESSION TIME: 10:45 A.M – 11:57 A.M			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
10:45 A.M – 10:57 A.M	1570664779	An Automated System to Limit COVID-19 Using Facial Mask Detection in Smart City Network	Mohammad Marufur Rahman (Khulna University of Engineering & Technology, Bangladesh); Md. Motaleb Hossen Manik (Khulna University of Engineering & Technology, USA); Md. Milon Islam (Khulna University of Engineering & Technology, Bangladesh); Saifuddin Mahmud and Jong-Hoon Kim (Kent State University, USA)
10:57 A.M – 11:09 A.M	1570666288	A Light-Based Quantum-Computational Model of Genetics	Pravir Malik (Deep Order Technologies & Zappos, USA)
11:09 A.M – 11:21 A.M	1570666543	Barriers and Drivers to Adoption of Cloud Infrastructure Services: A Security Perspective	Michael Townsend and Hayden Wimmer (Georgia Southern University, USA); Jie Du (Grand Valley State University, USA)
11:21 A.M – 11:33 A.M	1570666806	Understanding the Impact of Contextual Clues in Misinformation Detection	Kevin Matthe M Caramancion (University at Albany, USA)
11:33 A.M – 11:45 A.M	1570666918	A Generative Modelling Technique for 3D Reconstruction from a Single 2D Image	Saurabh Kumar Singh and Shrey Tanna (IIT(BHU), Varanasi, India)
11:45 A.M – 11:57 A.M	1570664476	Interactive Visualization and App Development for Precipitation Data in Sub-Saharan Africa	Divyadharshini Karthikeyan, Sudha Shah, Aparna Varde and Clement Alo (Montclair State University, USA)

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SESSION 10**SESSION CHAIR: Dr. Shahriar Badsha, University of Nevada, USA (Rapporteur: Soumik Kundu)****SESSION TIME: 12:00 P.M - 1:12 P.M**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
12:00 A.M - 12:12 P.M	1570667414	Diagnostic Classification Using Hepatitis C Tests	Sudarshan S Chawathe (University of Maine, USA)
12:12 P.M - 12:24 P.M	1570667429	Implementation of an Informative Website - "Covid19 Predictor", Highlighting COVID-19 Pandemic Situation in India	Shuvankar Roy (Maulana Abul Kalam Azad University Of Technology, India); Mahua Nandy Pal (MCKV INstitute of Engineering, Howrah, India); Sonali Bhattacharyya and Srirup Lahiri (JIS College of Engineering, India)
12: 24 P.M - 12:36 P.M	1570667560	Stock Market Prediction Using Text-Based Machine Learning	Tristan Jordan and Heba Elgazzar (Morehead State University, USA)
12: 36 P.M - 12:48 P.M	1570668510	A Corpus of BTC Tweets in the Era of COVID-19	Toni Pano and Rasha Kashef (Ryerson University, Canada)
12: 48 P.M - 1:00 P.M	1570668983	Static Analysis Framework Based on Multi - Agent System	Haissam Badih and Yasamin Alagrash (Oakland University, USA)
1:00 P.M - 1:12 P.M	1570669426	Audiovisual Interactive Companionship: The Next Computer Revolution	Shahriar Khan (Independent University, Bangladesh)

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PARALLEL SESSIONS : Mechatronics

SESSION 11

SESSION CHAIR: Dr. Hasan Yasar, Carnegie Mellon University, USA (Rapporteur: Srijita Chakraborty)

SESSION TIME: 10:45 A.M – 11:45 A.M

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
10:45 A.M – 10:57 A.M	1570675733	Dual Band Monopole Antenna for WLAN MIMO Applications at 2.4 and 5 GHz	Athul O Asok (Indian Institute of Technology Palakkad, India); Gokul Nath S J (Indian Institute of Technology Palakkad, India); Sukomal Dey (Indian Institute of Technology Palakkad, India)
10:57 A.M – 11:09 A.M	1570667588	Simulation Framework for Development and Testing of Autonomous Vehicles	Ahmed Abdelhamed and Girma Tewolde (Kettering University, USA); Jaerock Kwon (University of Michigan - Dearborn, USA)
11:09 A.M – 11:21 A.M	1570667649	Neural Network Based Corn Field Furrow Detection for Autonomous Navigation in Agriculture Vehicles	Niko Simon (University of St. Thomas, USA); Cheol-Hong Min (University of Saint Thomas, USA)
11:21 A.M – 11:33 A.M	1570664323	TiO ₂ -GO Field Effect Transistors for Amplified Ethanol Sensing	Teena Gakhar and Arnab Hazra (BITS Pilani Rajasthan, India)
11:33 A.M – 11:45 A.M	1570669226	Algorithm to Limit Power Outage Following Transmission Line Outage Using Newton-Raphson Power Flow	Chokder A. B. Russell (Independent University, Bangladesh (IUB), Bangladesh); Shahriar Khan (Independent University, Bangladesh)

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SESSION 12			
SESSION CHAIR: Dr. Mohammad Al-Shabi, University of Sharjah, UAE (Rapporteur: Soham Kanti Bishnu)			
SESSION TIME: 12:00 P.M - 1:00 P.M			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
12:00 A.M - 12:12 P.M	1570669124	Parameter Estimation and Its Application on Tuning PI Control Scheme	Atanu Panada (IEM, India)
12:12 P.M - 12:24 P.M	1570669013	Autonomous Mobility Vehicle	Alston Brazil Coutinho (Germany); Rehan Ali Mirza (University of Windsor, Canada)
12: 24 P.M - 12:36 P.M	1570669014	Estimation of Dynamic Laplacian Eigenvalues in Dynamic Consensus Networks	Fadel M Lashhab (Howard University & Washington DC, USA)
12: 36 P.M - 12:48 P.M	1570669037	Dynamic Consensus Networks: Dynamic Graph Definitions and Controllability Analysis Using the Behavioral Approach	Fadel M Lashhab (Howard University & Washington DC, USA)
12: 48 P.M - 1:00 P.M	1570669128	A Metaheuristic Approach to Optimize Maintenance Productivity of Indian Railway Coach and Bogie	Debanjan Ghosh (Institute of Engineering & Management Kolkata, India)

****All the timings are given in Vancouver time (Pacific Daylight Time)***

DAY 3:**11th September, 2020**

TIME	NAME OF THE EVENT
8:30A.M – 8:45 A.M	INTRODUCTION
8:45 A.M – 9:30 A.M	KEYNOTE ADDRESS BY DR. PHILLIP BRADFORD (UNIVERSITY OF-CONNECTICUT-STAMFORD, USA) TITLE OF TALK: INFORMATION THEORETIC SECURITY ON SMALL CONSTRAINED DEVICES
9:30 AM- 9:45 AM	QUESTION & ANSWER SESSION
9:45 A.M – 10:30 A.M	KEYNOTE ADDRESS BY DR. ALI KANSO , SENIOR SW ENGINEER AT MICROSOFT, USA TITLE OF TALK: ORCHESTRATION VS. CHOREOGRAPHY, WHICH DESIGN PATTERN TO CHOOSE WHEN BUILDING LARGE DISTRIBUTED SYSTEMS?
10:30 AM- 10:45 AM	QUESTION & ANSWER SESSION
10:45 A.M-11:15 A.M	PLENARY ADDRESS BY AYYAPPARAJ RADHAKRISHNAN GANESAN VICE PRESIDENT, MACHINE LEARNING AT MORGAN STANLEY, USA
11:15 A.M- 11:30 A.M	QUESTION & ANSWER SESSION

**All the timings are given in Vancouver time (Pacific Daylight Time)*

PARALLEL SESSIONS : Electronics & Mobile Communication

SESSION 13			
SESSION CHAIR: Dr. Sudarshan S Chawathe ,University of Maine, USA (Rapporteur: Payel Midya)			
SESSION TIME: 11:30 A.M – 12:42 P.M			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
11:30 A.M – 11:42 A.M	1570668428	Multistatic Radar Imaging for Traffic Monitoring	Ozan Dogan (Delft & TU Delft, The Netherlands)
11:42 A.M – 11:54 A.M	1570668382	On Bit Error Rate Analysis in Various Mobility Based Advanced Cellular Communication System	Sutanu Ghosh (Institute of Engineering and Management, Salt lake, India)
11:54 A.M – 12:06 P.M	1570661995	Web Accessibility Analysis on Government of India Websitesbased on WCAG	Abhirup Sinha (USA)
12:06 P.M – 12:18 P.M	1570662603	Congestion-Aware Data Acquisition with Q-Learning for Wireless Sensor Networks	Praveen Kumar Donta and Tarachand Amgoth (Indian Institute of Technology (ISM) Dhanbad, India); Chandra Sekhar Rao Annavarapu (IIT (ISM) Dhanbad, India)
12:18 P.M – 12:30 P.M	1570663983	Novel Multi-Logic Gates Using Quantum Dot Cellular Automata with Energy Dissipation Analysis	Anuj Kishor Borkute (BITS Pilani University Dubai Campus & BITS Pilani University Dubai Campus, India); Avinashkumar M (BITS Pilani University Dubai Campus, India); Nilesh Goel (Birla Institute of Technology and Science Pilani, Dubai Campus, Dubai UAE, United Arab Emirates)
12:30 P.M – 12:42 P.M	1570664077	Tungsten as an Interconnect Material for Next-Generation IC Design	Krishna Ganesh (BITS Pilani, Dubai Campus, India); Vilas H Gaidhane (Birla Institute of Technology and Science Pilani, Dubai Campus, India)

**All the timings are given in Vancouver time (Pacific Daylight Time)*

SESSION 14			
SESSION CHAIR: Dr. Sankar Narayan Patra, Jadavpur University (Rapporteur: Arunava Mukhopadhyay)			
SESSION TIME: 12:45 P.M - 1:57 P.M			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
12:45 P.M - 12:57 P.M	1570663774	BIG DATA MANAGEMENT OBLIGATION in SMART GRID TECHNOLOGIES, the FUTURE of TOMORROW	Dafer Alali, Surah Al dakhil, Mohamed Zohdy and Mohammed Mahmoud (Oakland University, USA)
12:57 P.M - 1:09 P.M	1570664093	On-Body Humidity Sensing Antenna with Polyimide for BAN Applications over 5G Networks	Md. Majedur Rahman, Md. Abu Nayeem, Saqlain Nahid and Syed Raqueed Bin Alvee (American International University-Bangladesh, Bangladesh); Raja Rashidul Hasan (American International University Bangladesh, Bangladesh); Md. Abdur Rahman (American International University-Bangladesh (AIUB), Bangladesh)
1:09 P.M - 1:21 P.M	1570664130	Performance Analysis of Traditional and SDN Based Handovers in Wireless LAN Networks	Muhammad Emran (Slovak Technology University & King Abdulaziz University, Saudi Arabia); Ivan Kotuliak (Slovak University of Technology, Slovakia)
1:21 P.M - 1:33 P.M	1570666559	Applicability of Okumura - Hata Model for Wireless Communication Systems in Oman	Mahmood Al Rashdi (Omantel, Oman); Zia Nadir and Hassan Al-Lawati (Sultan Qaboos University, Oman)
1:33 P.M - 1:45 P.M	1570664413	Double Mobility WSN: Exploiting the Mobility of Sink and Cluster Head Nodes for Better WSN Energy Preservation and Lifetime	Ala Khalifeh (German University of Jordan, Jordan); Husam Abid (German Jordanian University, Jordan); Khalid A. Darabkh (The University of Jordan, Jordan)
1:45 P.M - 1:57 P.M	1570664417	Mobile Sink Optimization for Enhancing Data Delivery in Wireless Sensor Networks	Khalid A. Darabkh (The University of Jordan, Jordan); Enas AL-Zoubi (Al-Ahliyya Amman University, Jordan); Firas Al-naimat (Al Ahliyya Amman University, Jordan); Ala Khalifeh (German University of Jordan, Jordan)

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PARALLEL SESSIONS : Information theory & IOT & Data Science

SESSION 15			
SESSION CHAIR: Aratrika Sarkar, Morgan Stanley(Rapporteur: Sutapa Ray Adhikary)			
SESSION TIME: 11:30 A.M – 12:42 P.M			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
11:30 A.M – 11:42 A.M	1570666157	A New Approach Model of e-Visual Career Application in Distance Education	Mustafa Tunay (Istanbul Gelisim University, Turkey)
11:42 A.M – 11:54 A.M	1570665377	Evaluating State of Web Accessibility Standards in Top Airline Websites	Abhirup Sinha (USA); Mukesh Chandra Pant (TCS, United Kingdom (Great Britain))
11:54 A.M – 12:06 P.M	1570663387	IOT Based Air Discomfort Reliever	Tapan Rana (Maulana Abul Kalam Azad University of Technology & IEM, India)
12:06 P.M – 12:18 P.M	1570663658	Approach for Increasing the Adaptability of Digital Outdoor Advertising	Aleksandr V. Belov (National Research University Higher School of Economics, Russia)
12:18 P.M – 12:30 P.M	1570664089	Permissioned Blockchain-Based Security for IIoT	Samira Yeasmin (Al Yamamah University, Saudi Arabia); Adeel Baig (Al Yamamah University, Riyadh, Pakistan & National University of Sciences and Technology, Saudi Arabia)
12:30 P.M – 12:42 P.M	1570664372	Design and Finite Element Analysis of IoT Based Smart Helmet	Ninad Vivek Joshi (MIT World Peace University, India); Sumedh Prasad Joshi (MIT World Peace University, Pune, India); Malhar Sanjay Jojare and Neel Sandeep Joshi (MIT World Peace University, India); Anjali R Askhedkar (MIT World Peace University & MITWPU, India)

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SESSION 16**SESSION CHAIR: Dr. Heba Elgazzar, Morehead State University, USA (Rapporteur: Samit Karmakar)****SESSION TIME: 12:45 P.M - 1:57 P.M**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
12:45 P.M - 12:57 P.M	1570664426	Jig Detection Using Scanning Method Base on Internet of Things for Smart Learning Factory	Ridho Hendra Yoga Perdana, Nurul Hidayati, Ahmad Wilda Yulianto and Vipkas Al Hadid Firdaus (State Polytechnic of Malang, Indonesia); Nila Novita Sari (Politeknik Negeri Bandung, Indonesia); Dodit Suprianto (Politeknik Negeri Malang, Indonesia)
12:57 P.M - 1:09 P.M	1570667412	A Case of Information Technology Value Competency Left Behind? A Scoping Review	Warren Gabryk (University of Pretoria, South Africa), Rennie Naidoo, (University of Pretoria, South Africa)
1:09 P.M - 1:21 P.M	1570664562	Secure Architecture for Inter-Healthcare Electronic Health Records Exchange	Oluwaseyi Ajayi and Meryem Abouali (City College of New York, USA); Tarek Saadawi (The City University of New York/The City College, USA)
1:21 P.M - 1:33 P.M	1570664629	Mixed Reality Solution for the Internet of Things	Daniel Wright, Russell Skaggs-Schellenberg and Shahab Tayeb (California State University, Fresno, USA)
1:33 P.M - 1:45 P.M	1570664726	PoRCH: A Novel Consensus Mechanism for Blockchain-Enabled Future SCADA Systems in Smart Grids and Industry 4.0	Md Tamjid Hossain, Shahriar Badsha and Haoting Shen (University of Nevada, Reno, NV, USA)
1:45 P.M - 1:57 P.M	1570664081	Security of Cyber Physical Systems: Vulnerabilities, Attacks and Countermeasure	Faisal Alrefaei (Embry-Riddle Aeronautical University, USA); Abdullah Alzahrani (Rochester Institute of Technology, USA); Houbing Song (Embry-Riddle Aeronautical University, USA); Mohamed Zohdy (Oakland University, USA)

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SESSION 17

SESSION CHAIR: Dr. Subhash Chandra Panja, Professor, Jadavpur university (Rapporteur: Soumik Kundu)

SESSION TIME: 11:30 A.M – 12:30 P.M

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
11:30 A.M – 11:42 A.M	1570670125	Stress and Forces on the Milling Tool	Richard Kyung (CRG-NJ, USA) , Jesang Yim (CRG-NJ)
11:42 A.M – 11:54 A.M	1570670131	A Study on How People with Disabilities are Adjusting to Emerging Technology in Modern Society	Richard Kyung (CRG-NJ, USA) , Ethan Park (CRG-NJ)
11:54 A.M – 12:06 P.M	1570666908	Discovery of Influence Between Processes Represented by Hidden Markov Models	Ritesh Ajoodha and Benjamin Rosman (The University of the Witwatersrand, Johannesburg, South Africa)
12:06 P.M – 12:18 P.M	1570664700	An ISM-Band Automated Irrigation System for Agriculture IoT	Micah Bogdanoff (California State University Fresno, USA); Shahab Tayeb (California State University, Fresno, USA)
12:18 P.M – 12:30 P.M	1570669215	Perspective on the Reliability Behavior of Intelligent Transport Systems During the Transition Phase from Legacy Vehicles to Autonomous and Connected Ones: Four-Road Intersections as a Case Study	Kamal Azghiou (Mohammed First University & EI team, Morocco); Manal El Mouhib (EDER Research Team, Morocco); Abdelhamid Benali (EI Research Team, Morocco)

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SESSION 18**SESSION CHAIR: Dr. Ashiq Sakib, Florida Polytechnic University , USA (Rapporteur: Kaushik Patra)****SESSION TIME: 12:30 P.M - 1:42 P.M**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
12:30 P.M - 12:42 P.M	1570664362	Design and Development of IOT Based Prototype Police Barricade	Ashish Kulkarni (DTU Delhi, India); Anirudh Goyal (Delhi Technological University, Delhi, India); Antriksh Mangal (Delhi Technological University, India)
12:42 P.M - 12:54 P.M	1570668966	A Simple Miniaturized Wideband Equilateral Triangular Microstrip Patch Antenna	Murari Shaw (India, India)
12:54 P.M - 1:06 P.M	1570669122	A CPW-Fed Square Slot Circularly Polarized Antenna with Asymmetric Stubs for Ultra-Wideband Applications	Athul O Asok (Indian Institute of Technology Palakkad, India)
1:06 P.M - 1:18 P.M	1570669126	Design of a „U“ Slot Substrate-Integrated Waveguide Cavity-Backed Self-Diplexing Antenna	Kaushik Patra (IEM, India)
1:18 P.M-1:30 P.M	1570669179	Design of Realistic Wearable Antenna Considering Super-Substrate and Human Body Perturbations	Saikat Choudhury (Institute of Engineering & Management Kolkata, India)
1:30 P.M- 1: 42 P.M	1570669649	Study on the CBOE Volatility DataForecastUsing Statistical and Computational Simulations	Richard Kyung (CRG-NJ, USA) , Minjun Kye (CRG-NJ)

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DAY 4:**12th September, 2020**

TIME	NAME OF THE EVENT
8:30A.M – 8:45 A.M	INTRODUCTION
8:45 A.M – 9:30 A.M	KEYNOTE ADDRESS BY DR. RONALD F. DEMARA (UNIVERSITY OF CENTRAL FLORIDA, USA) TITLE OF TALK: TOWARDS ENERGY-AWARE SPINTRONIC IOT DEVICES USING HYBRID ANALOG AND DIGITAL COMPUTATION
9:30 AM- 9:45 AM	QUESTION & ANSWER SESSION
9:45 A.M – 10:30 A.M	KEYNOTE ADDRESS BY DR. SCOTT C. SMITH (TEXAS A&M UNIVERSITY-KINGSVILLE, USA) TITLE OF TALK: THE FUTURE OF ASYNCHRONOUS LOGIC
10:30 AM- 10:45 AM	QUESTION & ANSWER SESSION

**All the timings are given in Vancouver time (Pacific Daylight Time)*

PARALLEL SESSIONS : Electronics & Mobile Communication

SESSION 19			
SESSION CHAIR: Dr. Richard Kyung , CRG-NJ, USA (Rapporteur: Arunava Mukhopadhyay)			
SESSION TIME: 10:45 A.M – 11:57 A.M			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
10:45 A.M – 10:57 A.M	1570664735	An Efficient Approach for Task Assignment in Spatial Crowdsourcing	Esam Aloufi, Raed Alharthi, Mohamed Zohdy and Richard Olawoyin (Oakland University, USA)
10:57 A.M – 11:09 A.M	1570664280	Implementation on Design of a Novel Frequency Selective Surface	Pratik Dey (Maulana Abul Kalam Azad University of Technology (MAKAUT), India)
11:09 A.M – 11:21 A.M	1570667241	Wideband Dual-Cut Circular Ring Based Linear-Cross and Linear-Circular Polarizing Reflector	Mohammad Abdul Shukoor and Sukomal Dey (Indian Institute of Technology Palakkad, India)
11:21 A.M – 11:33 A.M	1570664739	BitMint Hard Wallet: Digital Payment Without Network Communication	Gideon Samid (Case Western Reserve University, USA)
11:33 A.M – 11:45 A.M	1570665491	Design of Pyramidal Horn Antenna at 7.5 GHz by Using Different Optimization Techniques	Soham Kanti Bishnu (Institute of Engineering and Management, India); Sutapa Ray (IEM, India)
11:45 A.M – 11:57 A.M	1570668592	Optimal Design of Antenna Array Using Tuned Random Drift Particle Swarm Optimization Algorithm	Debolina Brahma (Kalinga Institute of Industrial Technology, Deemed to be University, India)

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SESSION 20**SESSION CHAIR: Dr. Ashiq Sakib, Florida Polytechnic University, USA (Rapporteur: Rintu Gayen)****SESSION TIME: 12:00 A.M - 1:12 P.M**

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
12:00 A.M - 12:12 P.M	1570667598	Wi-Fi Based Indoor Positioning and Navigation System (IPS/INS)	Girma Tewolde (Kettering University, USA); Jaren Golenbiewski (Kettering University & ZF, USA)
12:12 P.M - 12:24 P.M	1570668547	Compact Six-Port Network Using Lange Coupler for Sub-6 GHz Fifth Generation Communication	Soumik Dey, Sukomal Dey and Phule Anish Sunil (Indian Institute of Technology Palakkad, India)
12: 24 P.M - 12:36 P.M	1570675912	Frequency Tuning Characteristics & Bandwidth Enhancement for Circular Microstrip Antenna by Integrating L Shaped DGS	Debangana Dutta (IEM, India), Pradipta Ghosh (IEM, India), Srijita Chakraborty (Institute of Engineering & Management, Kolkata, India)
12: 36 P.M - 12:48 P.M	1570668945	Resonant Frequency Optimization of Cylindrical Liquid Antenna Using Particle Swarm Optimization Algorithm	Sutapa Ray (IEM, India); Soham Kanti Bishnu (Institute of Engineering and Management, India); Agniva Chatterjee (Institute of Engineering & Management, India)
12: 48 P.M - 1:00 P.M	1570669301	A Study on Scilab Free and Open Source Programming for Antenna Array Design	Vinod P (Rajiv Gandhi University of Knowledge Technologies, India)
1:00 P.M - 1:12 P.M	1570675905	Implementation of Dielectric Resonator Integrated Microstrip Antenna for Improved Performance Characteristics	Sayanti Dutta (IEM, India), Srijita Chakraborty (Institute of Engineering & Management, Kolkata, India)

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PARALLEL SESSIONS : Information theory & IOT & Data Science

SESSION 21			
SESSION CHAIR: Dr. Shahriar Badsha, University of Nevada , USA (Rapporteur: Sayantani Chowdhury)			
SESSION TIME: 10:45 A.M – 11:57 A.M			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
10:45 A.M – 10:57 A.M	1570664609	IoT's and Big Data in Financial Services to Solve Customer Churn	Rodrique Chi Fon, Boriane Yousseu Tchaleu, Collins Leke, Alain Richard Ndjiongue, Tshilidzi Marwala and Khmaies Ouahada (University of Johannesburg, South Africa)
10:57 A.M – 11:09 A.M	1570670128	A Study on the Financial and Entrepreneurial Risks of Small Business Owners Amidst COVID-19	Andrew Kyung and Sarah Whitney (CRG-NJ)
11:09 A.M – 11:21 A.M	1570667245	Telemetry System for Experimental Study of Ultrasonic Measurement on COVID-19 Situation	Wongsakorn Wongsaroj, Naruki Shoji, Hideharu Takahashi and Hiroshige Kikura (Tokyo Institute of Technology, Japan)
11:21 A.M – 11:33 A.M	1570667331	An Application of IoT for Conduction of Laboratory Experiment from Home	Vien Tri Tran (Tokyo Institute of Technology, Japan)
11:33 A.M – 11:45 A.M	1570667355	Design of a Low-Cost NFC Door Lock for a Smart Home System	Jose Pacheco (Universidad Autónoma Metropolitana (UAM), Mexico); Karen Miranda (Universidad Autónoma Metropolitana, Mexico)
11:45 A.M – 11:57 A.M	1570667509	Light Spectra Optimization in Indoor Plant Growth for Internet of Things	Luzalen Marcos and Kristiina Valter Mai (Ryerson University, Canada)

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SESSION 22			
SESSION CHAIR: Dr. Aparna Varde, Montclair State University, USA (Rapporteur: Sutanu Ghosh)			
SESSION TIME: 12:00 P.M - 1:00 P.M			
TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS WITH AFFILIATION & COUNTRY
12:00 A.M - 12:12 P.M	1570667903	Energy Scheduling and Computation Offloading for Building Operator Using Parked Electric Vehicles	Shreya Bhardwaj, Shreyas Iyer, Tanvi Desai and Vamsi Krishna Tumuluru (PES University, India)
12:12 P.M - 12:24 P.M	1570669252	Ichor - an IoT, Cloud, and Mobile Technologies Based Noninvasive Glucose Monitoring System	Satvik Dasari (Westwood High School, USA)
12: 24 P.M - 12:36 P.M	1570671389	New Routing Protocol for Half-Duplex Cognitive Radio Ad-Hoc Networks over IoT Environment	Khalid A. Darabkh and Oswa M. Amro (The University of Jordan, Jordan)
12: 36 P.M - 12:48 P.M	1570667458	Low-Cost Contact Thermometry for Screening and Monitoring During the COVID-19 Pandemic	Srihari Yamanoor and Narasimha Sai Yamanoor (Self, USA)
12:48 P.M-1:00 P. M	1570665851	EPD-Net: A GAN-Based Architecture for Face De-Identification from Images	Alakh Aggarwal (University of Texas at Dallas, USA); Pratik Chattopadhyay (Indian Institute of Technology (BHU), Varanasi, India); Rishika Rathore (Indian Institute of Technology BHU Varanasi, India); Lipo Wang (Nanyang Technological University, Singapore)

TIME ALLOTTED	ACTIVITY
1:15PM- 1:30 PM	VALEDICTORY SESSION

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