GENERAL PROGRAM IEEE COLCOM - COLCAS - ColCACI 2022

Time/Day	July 28th			July 29th		
7:30 - 8:00	Opening Session - Auditorio Yquinde			Auditorio Yquinde		
8:00 - 8:30	Plataforma GAT: Información traslacional biomédica para tratamientos alternativos de cáncer. Dra. Lucy Jiménez - Pontificia Universidad Javeriana			Processing-in-memory (PIM)-based Manycore Architecture for Training Graph Neural Networks Dr. Partha Pratim Pande, FIEEE (IEEE Circuits and Systems)		
8:30 - 9:00						
9:00 - 9:30	Thinking Outside the CMOS Box Dr. Victor Grimblatt, DLP (IEEE Circuits and Systems)- R&D Group Director and General Manager, Synopsys			Data Centric AI un Medicine Dr. Jose David Posada - Universidad del Norte		
9:30 - 10:00						
10:00 - 10:30	Break			Break		
10:30 - 11:00	Pronóstico de las precipitaciones mensuales vinculadas a sus teleconexiones con los índices de gran escala - Un enfoque amplio para su implementación con Redes Neuronales Artificiales Dr. Wilfredo Alfonso - Universidad del Valle			AIoT - When IoT meets the AI Marcelo Rovai - Universidad de Sao Paulo		
11:00 - 11:30						
12:00 - 14:00	LUNCH			LUNCH		
	ColCACI: Biomedical Applications- Chair: Alvaro D. Orjuela-Cañón	Colcom-ColCACI: Meta-anlaysis - Chair: Jesús López	COLCAS - Colcom Chair: Faruk Fonthal	COLCAS - ColCACI: Miscellaneous Applications - Chair: Alvaro D. Orjuela-Cañón	ColCACI: Control Systems Applications - Chair: Jesús López	Colcom - COLCAS Chair: Andrés Navarro
14:00 - 14:20	ID0226: Automatic Dense Tissue Segmentation in Digital Mammography Images Based on Fully Convolutional Network and Intensity-Based Clustering	ID3991-Desarrollo e implementación de una librería compatible con dispositivos SDR aplicado a HFSWR	Trends on Micro and Nanoelectronics Dr. Ricardo Reis Universidade Federal do Rio Grande do Sul	ID2989-Power Supplies and Measurement Circuits for a Work in Progress DC Analysis Remote Laboratory	ID9158: Comparison of Bioinspired Optimization Techniques for Improving the Performance of Dynamic Sliding Mode Controllers	IEEE Sociedad de Circuitos y Sistemas: Oportunidad y Inserción Internacional Ricardo Reis - IEEE CASS R9
14:20 - 14:40	ID0275: Clasificador de tumores cerebrales primarios basado en Redes Neuronales Convolucionales (CNN)	ID2693-RECOMMENDATION SYSTEM FOR TOURIST ROUTES USING FUZZY LOGIC IN THE AREQUIPA CITY		ID1889: Modelo de deep learning basado en MobileNetV2 para detección de mascarillas con Raspberry Pi	ID9706: LAMDA Sliding-Mode Control based on Smith Predictor applied to a pH Neutralization Reactor	
14:40 - 15:00	ID0569: Automatic seeds segmentation and classification using a novel method based on pixel intensity thresholds and convolutional neural networks	ID1640: Bayesian Optimization with Fixed Constraints using Acceptance Functions		ID2305: Machine Learning Techniques to the Prediction of Variables of the Urban Solid Waste Collection Process.	ID5650: Dynamical Sliding Mode Controller with Optimized Tuning using Artificial Bee Colony for Integrating Processes with Inverse Response and Deadtime	
15:00 - 15:20	ID4903: Measuring the Impact of Data Augmentation Techniques in Lung Radiograph Classification Using a Fractional Factorial Design: A Covid-19 Case Study	ID1904: A Deep Convolutional Autoencoder Architecture for Automatic Image Colorization		ID0795: Automatic detection of brain states using time varying functional connectivity from rs-fmri in noninvasive brain stimulation	ID7079: Design and simulation of a bio-inspired neural network for the motor control of a mobile automaton	ID4081-An application of Faster R-CNN for the detection and recognition of Ecuadorian traffic signs
15:20 - 15:40	Coffee Break	Coffee Break	Coffee Break	ID5310: Data Fusion Analisis for Determining Localization of Proteins Associated to Escherichia Coli	ID1142: Local planning methods for autonomous navigation on sidewalks: a comparative survey	ID3413- Web-based personal access control system using facial recognition with deep learning techniques
15:40 - 16:00	ID5733: Modelo de identificación de señas del abecedario del Lenguaje de Señas Colombiano (LSC) basado en Inteligencia Computacional	ID2430: PF-sGAMCO: Método para la selección de características y el diseño de la arquitectura de redes neuronales	ID3333-UWB-OFDM System Model for Breast Cancer Detection	Coffee Break	Coffee Break	Coffee Break
16:00 - 16:20	ID5839: Machine learning estimation of an arterial pressure model using electrical impedance	ID5638: Sintonización de parámetros para una red neuronal NARX para la predicción del precio de la acción de Bancolombia.	ID7335-Review of Extreme Learning Machines for the Identification and Classification of Fingerprint Databases	Closing Ceremony An Introduction to Quantum Computing and Quantum Hardware Victor A. Rodriguez-Toro, IBM		
16:20 - 16:40	ID5919: Using Machine Learning Techniques to Predict a List of Prescription Medications in the Obstetrics and Gynecology Service	ID6676: Application of metaheuristics for Optimal location of a small cells	ID9655-SI-based hybrid precoder for mmWave massive MU-MIMO systems			
16:40 - 17:00	ID6805: U-Net Variations for Spontaneous Intracranial Hemorrhages Detection on CT Images	ID6729: Dynamic Density based Anomaly Detection				