GENERAL PROGRAM - SIMBig 2024

Novembre 20, 2024

Hour	Title	Speaker
09h00 - 10h00	Reception	
10h00 - 10h15	Welcoming to SIMBig2024	Authorities of the Universidad Nacional de Moquegua and the Co-Chairs of SIMBig 2024
Session 1		
10h15 - 10h30	Explainable Sentiment Analysis on Restaurant Reviews using an Evolutionary Algorithm	Edward Hinojosa-Cardenas, Leticia Laura-Ochoa, Edgar Sarmiento
10h30 - 11h30	Invited Speaker	Aaron Courville Université de Montréal, Canada
11h30 - 11h45	Making an Under-Resourced Language available on the Wikidata Knowledge Graph: Quechua Language	Elwin Huaman, Jorge Luis Huaman, Wendi Huaman
11h45 - 12h00	Coffee Break	
Session 2		
12h00 - 12h15	Predictive model applying sentiment analysis on Tweets to determine the behavior of the cryptocurrency Bitcoin	Henry Condori Alejo, Ernesto Zhildeer Chura-Flores, Guina Alzamora Sotomayor
12h15 - 12h30	Enhancing Academic Profiling with Advanced NLP Techniques: SBERT + KeyBERT	Carlos A. Ayala-Tipan, Lorena Recalde, Gabriela Suntaxi
12h30 - 12h45	ThreatGram 101 - Extreme Telegram Replies Data with Threat Levels	Kamalakkannan Ravi, Jiann-Shiun Yuan
12h45 - 13h00	Enhancing Bert Classification by Increasing Training Corpus Using Paraphrasing	Carlos Atencio Torres, Alvaro Mamani-Aliaga, Julio A. Vera, Pablo Calcina-Ccori
13h00 - 14h00	Lunch	
Session 3		
14h00 - 14h15	Comparison of Recurrent Neural Network Architectures to Answer Questions of the Universities Admission Process	Maribel E. Coaguila, Mariela M. Nina, Yoselin Arocutipa, Estrella Velásquez, Jesus Rocca, Honorio Apaza
14h15 - 15h15	Invited Speaker	Anna Korhonen University of Cambridge, UK
15h15 - 15h30	Leveraging LLMs for Enhanced Personality Trait Classification	Giulia Naval, Oscar Linares, José Eduardo Ochoa Luna
15h30 - 15h45	Coffee Break	
15h45 - 16h45	Invited Speaker	Andrew Gentles Stanford University, USA
16H45 - 17H00	EPIC: Enhancing Privacy through Iterative Collaboration	Prakash Chourasia, Heramb Lonkar, Sarwan Ali, Murray D. Patterson
17h00 - 17h15	Development of 1D-CNN Methods for Classifying Pediatric Epilepsy through EEG Signals	Angel Javier Quispe-Carita, Renzo Apaza-Cutipa, Juan Carlos Juarez-Vargas, Milton Antonio Lopez-Cueva, Ernesto Nayer Tumi-Figueroa, Fred Torres-Cruz
17h15 - 17h30	DWFL: Enhancing Federated Learning through Dynamic Weighted Averaging	Prakash Chourasia, Tamkanat . Ali, Sarwan Ali, Murray D. Patterson

Novembre 21, 2024

Hour	Title	Speaker
08h30 - 09h00	Reception	
Session 4		
09h00 - 09h15	Preserving Hidden Hierarchical Structure: Poincaré Distance for Enhanced Genomic Sequence Analysis	Sarwan Ali, Haris Mansoor, Prakash Chourasia, Imdad Ullah Khan, Murray D Patterson
09h15 - 10h15	Invited Speaker	Krishnaram Kenthapadi Clinical AI, Oracle Health, USA

10h15 - 10h30	Predicting Shear Strength at the Joint of a Beam and a Column Using Supervised Learning and Multivariate Neural Networks	Yhon Fuentes Huaman, Yessenia Yari Ramos, Raymundo Aguirre Ramos
10h30 - 10h45	Development of 1D-CNN Methods for Classifying Pediatric Epilepsy through EEG Signals	Oscar Flores-Palermo, Christian Espiritu-Cueva, Willy Ugarte
10h45 - 11h00	An Scoping Review: Explainable Deep Learning Approach for Automated Sismo-Volcanic Event Classification	Edison G Paria Fernandez, Edgar Sarmiento, Reynaldo Alfonte Zapana
11h00 - 11h15	Coffee Break	

Session 5

11h15 - 11h30	Prediction of maximum rainfall for Early warning of heavy rainfall with Multivariable Long-term memory networks and Temporal Transformers	Yhon Fuentes Huaman, Kristhel Calderon Aedo, Vanesa Salas Peña, Anjhela Rosa Callo Mamani, Alberto Callo Yucra, Claudio Huancahuire Bravo, Elena Gonzalez Mamani, Jessica Alvarado Ramos, Guido Bravo Mendoza
11h30 - 11h45	Hybrid Quantum Model for Brain Tumor Classification	Sergio L. Ramos, Carlos Atencio Torres, José Eduardo Ochoa Luna
11h45 - 12h00	An efficient automatic classification hibryd model to identify images of commercial starchy corn	Diego Alonso Dorado Torres, Yeshica Isela Ormeño Ayala, Lauro Enciso Rodas
12h00 - 12h15	Methodological Approach for the Development of a Mountain Glacier Dataset Using Satellite Imagery for Deep Learning Applications	William Condori Quispe, Jose Herrera Quispe, Oscar Jimenez Flores, Juan Jimenez Castilla
12h15 - 12h30	A Deep Learning Model for Ingredient and Meal Quantity Estimation in Type 2 Diabetes Care	Sergio Andres Flores Ñahuis, Renzo Arturo Paredes Villagra and Luis Martín Canaval Sánchez
12h30 - 12h45	Transformer GPT-2 Model for Code Prediction in Machine Learning Projects	Tito Peng Wu Pan and Luis Martín Canaval Sánchez
12h45 - 14h00	Lunch	

Session 6

14h00 - 14h15	Safycash: Mobile Application for Authentic Banknote Detection Using Image Processing Libraries and Convolutional Neural Networks	Erick A. Quispe Bernardo
14h15 - 15h15	Invited Speaker	Aline Villavicencio University of Exeter, UK
15h15 - 15h30	Personality Traits and Voter Intentions: A Computer Vision and Deep Learning Study of Simulated Peruvian Elections in 2022	Alejandro Aybar-Flores
15h30 - 15h45	Development of a convolutional neural network model to improve quality control of Hass avocado in the Paucartambo Agricultural Valley, Pasco, Perú	Arnold Anthony Huaman, Luis Andre Cosco Escobedo, David Francisco Leva Mescco
15h45 - 16h00	Coffee Break	

Session 7

16h00 - 16h15	Spanish Historical Handwritten Text Recognition with Deep Learning	Gustavo Jorge Choque Dextre, Ferdinand Pineda
16h15 - 16h30	NevusCheck: A Dysplastic Nevi Detection Model Using Convolutional Neural Networks	Andreluis P. Ingaroca, Lucia Heredia, Alvaro Aures
16h30 - 17h30	Invited Speaker	Mona Diab Caneguie Mellon University, USA
17h30 - 17h45	Application of Multilayer Perceptron: Analysis of socioeconomic factors of poverty in Peru	Almir Vargas Mamani
17h45 - 18h00	Parallel Multi-objective Evolutionary Algorithms: A Systematic Literature Review	Saulo Gustavo Machicao-Mollocondo, Edward Hinojosa-Cardenas

Novembre 22, 2024

Hour	Title	Speaker
08h30 - 09h00	Reception	

Session 8

09h00 - 09h15	Small Electra for Hate: A Transformer Lightweight Approach to Hate Text Classification	Ricardo Manuel Lazo Vasquez, José Eduardo Ochoa Luna
09h15 - 10h15	Invited Speaker	Huan Liu Arizona State University, USA
10h15 - 10h30	Strategies to Mitigate University Dropout Using Classification Algorithms in Engineering Programs	Tania Y. Anahua, Yana Mamani

10h30 - 10h45	Electricity Demand Time Series Benchmark	Miguel Nunez-del-Prado, Juan Carlos Orihuela-Solis
10h45 - 11h00	Development of 1D-CNN Methods for Classifying Pediatric Epilepsy through EEG Signals	Oscar Flores-Palermo, Christian Espiritu-Cueva, Willy Ugarte
11h00 - 11h15	Coffee break	
Session 9		
11h15 - 11h30	Enhancing FAIRness of Spatiotemporal Data through Semantics: A Case Study with EarthPortal and EaSy Data	Christelle Pierkot, Hélène Bressan, Guillaume Alviset
11h30 - 11h45	Evolution and Advancements in Object Detection: A Survey of Traditional and YOLO-Based Methods	Mohammed Wasid, Shahnawaz Ahmad, Shahadat Dr. Hussain
11h45 - 12h00	Automated Classification of Knee Osteoarthritis Severity from X-Ray Images by Comparing CNNs and VGG16	Danish Ali, Sundas Iqbal, Tanveer Nazir, Sania Rafiq, Irfan Ali, Umme Kalsoom
12h00 - 13h00	Invited Speaker	Ricardo Baeza-Yates Universitat Pompeu Fabra, Spain
13h00 - 13h15	Arabic Mispronunciation Detection for Children in Noisy Environments using Vision Transformers	Mona Sadik, Ahmed S. ELSayed, Sherin Moussa, Zaki Fayed
13h15 - 13h30	Machine Learning Framework for Enhanced Umami Peptide Detection Using Hybrid Features	Naeem Ahmed, Sundas Iqbal, Danish Ali, Talal Ali, Umme Kalsoom
13h30 - 14h00	Clossing of SIMBig 2022	Authorities of the Universidad Nacional de Moquegua and the Co-Chairs of SIMBig 2024