

The 23th International Conference on Intelligent Software Methodologies, Tools and Techniques IPN, Cancun, Mexico September 24-26, 2024

Please ensure you check the time in your country.
All times listed in this program are in UTC-05:00

ROOM 1		TIME (UTC-5:00)
REGISTRATION (LOBBY)		08:00 - 8:50
OPEN CEREMONY		09:00 - 9:30
KEYNOTE SPEECH Professor Enrique Herrera-Viedma "About Trustworthy Artificial Intelligence" Chair: Hamido FUJITA		9:30 - 10:30
COFFEE BREAK		10:30 - 11:00
ROOM 1 Chair: Gibran BENITEZ	ROOM 2 Chair: Aldo HERNANDEZ	TIME (UTC-5:00)
Frame-level Deepfake Detection on Explicit Content with ID-unaware Binary Classification (Presented Online)	Practical Application of Deep Reinforcement Learning in Physical Robotics	11:00 - 11:30
Adaptive WIP Control in Industry 4.0 Manufacturing via Deep Reinforcement Learning: A Case Study in Hybrid Control Architectures	One-class classification approach using one-class classification subtask	11:30 - 12:00
Proposal for a Novel Sightseeing Trip Plan Search Service	Machine learning-based approach to correct saturated flow boiling heat transfer correlations	12:00 - 12:30
LUNCH BREAK		12:30 - 14:00
ROOM 1 Chair: Lidia PRUDENTE	ROOM 2 Chair: Elizabeth GARCIA	TIME (UTC-5:00)
Optimizing Feature Selection with Metaheuristics: Trends, Techniques, and Future Directions (Presented Online)	Voice Gender Recognition under Unconstrained Environments using Fine-Tuned CNNs	14:00 - 14:30
Analyzing Twitter Data for Insights into Public Sentiment during COVID-19 Pandemic (Presented Online)	Meaningful performance analysis on Healthcare Data under Local Differential Privacy	14:30 - 15:00
Topic Modeling in the darknet via Semi-Supervised Learning and Linguistic Transformers	Detecting and Mitigating the Weakest Cybersecurity Link in an Information System	15:00 - 15:30
IPN INFORMATIVE VIDEO RESEARCH DEPARTMENT STAFF		15:30 - 15:50
COFFEE BREAK		15:50 - 16:30
ROOM 1 Chair: Jesus Olivares	ROOM 2 Chair: Gabriel SANCHEZ	TIME (UTC-5:00)
Hands and Palms Recognition by Transfer Learning for Forensics: a Comparative Study (Presented Online)	Dynamic Convolution Based Intelligent Algorithm for YOLOv5 Underwater Target Detection (Presented Online)	16:30 - 17:00
Design a Knowledge Chatbot System in Education based on Ontology approach (Presented Online)	VIFam: a new dataset for fall detection problem and overall analysis (Presented Online)	17:00 - 17:30
Improve breast cancer classification based on deep feature fusion and Hyperparameter customization using transfer learning (Presented Online)	Sentiment Classification in Mobile Gaming Reviews: Customized Transformer Models with Emojis Retained (Presented Online)	17:30 - 18:00

TUESDAY
SEPTEMBER 24

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ROOM 1 Chair: Andres HERNANDEZ-MATAMOROS		TIME (UTC-5:00)
ICERS Collaborative Emergency Response System (Presented Online)		09:00 - 09:30
URL Phishing Detection by Using Natural Language Processing and Deep Learning Model (Presented Online)		09:30 - 10:00
COFFEE BREAK		10:00 - 10:30
KEYNOTE SPEECH Professor Hiroki Takahashi "Sign Language Communication System in Japan" Chair: Hector Perez		10:30 - 11:30
ROOM 1 Chair: Aldo HERNANDEZ	ROOM 2 Chair: Mariko Nakano	TIME (UTC-5:00)
Cyberbullying Detection using Bag-of-Words, TF-IDF, Parallel CNNs and BiLSTM Neural Networks (Presented Online)	Encryption and compression scheme using compressing sensing and chaotic mixing	11:30 - 12:00
Use of Modeling & Simulation and AI for Collaborative Framework: SMEs Supply Chain Disruptions	Information Encryption with Combined QR Codes with Two Security Levels: GPG Method and Chromatic Multiplexing	12:00 - 12:30
A Large-Scale Group Decision-Making Approach Employing Large Language Models to Detect Assertive Groups	Data Hiding Components for Solving Information Security Issues in DICOM Medical Images	12:30 - 13:00
LUNCH BREAK		13:00 - 14:30
ROOM 1 Chair: Toshitaka HAYASHI	ROOM 2 Chair: Enrique ESCAMILLA	TIME (UTC-5:00)
PFMNet: Face Mask Recognition with Deformable Convolution Networks and Category Attention (Presented Online)	Detection and identification of respiratory disease using DWT and SVM	14:30 - 15:00
Multimodal Hand Gesture Recognition Using Automatic Depth and Optical Flow Estimation from RGB Videos	Image Splicing Detection based on a Dual Branch Neural Network	15:00 - 15:30
Fingerprint Fraud Explainability using Grad-Cam for Forensic Procedures	Preference-Based Reinforcement Learning Framework for Autonomous Vehicles	15:30 - 16:00
COFFEE BREAK		16:00 - 16:30
Optimizing Industrial Maintenance Scheduling Through Deep Reinforcement Learning and Simulation Integration	Optimal Feature Extractor for Video Anomaly Detection in Public Transportation Applications	16:30 - 17:00
IPN INFORMATIVE INCLUSION SPEAKER		17:00 - 17:30
CONFERENCE GROUP PHOTO		17:30 - 17:45
BANQUET		19:00

WEDNESDAY
SEPTEMBER 25

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		ROOM 1 Chair: Hector PEREZ	TIME (UTC-5:00)
THURSDAY SEPTEMBER 26		Recognition of Handwritten Tamazight Characters using ResNet, MobileNet and VGG Transfer Learning (Presented Online)	09:00 - 09:30
		Attention-Based Multi-Scale, Context-Aware Feature Integration into PoseResNet for Coordinate Classification in 2D HPE	09:30 - 10:00
		COFFEE BREAK	10:00 - 10:30
		KEYNOTE SPEECH Professor Guido Guizzi "Leveraging AI and Machine Learning in Industrial Applications for Enhanced Operational Performance: opportunities and open issues" Chair:Hamido FUJITA	10:30-11:30
		ROOM 1 Chair: Mariko NAKANO	TIME (UTC-5:00)
		Extended Engineering Software Support for Multiphysical Research in Applied Informatics	11:30 - 12:00
		Transformation Approach for Safe Source Code Through the Application of a Large Language Model and Adaptation of a Generative Adversarial Network	12:00 - 12:30
		Towards an Architecture Modeling Language for Specifying Digital Twin Architectures using C4	12:30 - 13:00
		Analysis of the Nozzle Design for Rocket-Candy using a systemic model	13:00 - 13:30
		CLOSING CEREMONY	13:30 - 14:00