

DETAILED PROGRAM

October 30, Wednesday Morning

Keynote talk: Marley Vellasco, PUCRJ, Brazil

09:00-10:00 **Neuro-Evolutionary Models based on Quantum-Inspired Evolutionary Algorithms**

Building: Tlaqna, Room: Annexed Room

Parallel Session 30-1: Fuzzy Systems, Reasoning and Intelligent Applications 3

Building: USBI, Room: Videoconference 1

10:15-12:15

Session Chair: Francisco Cantu

*** If a talk is cancelled, other talks will be moved up.**

10:15-10:45	74	Roberto Reyes, David Garza, Leonardo Garrido, Victor de la Cueva and Jorge Ramírez	Methodology for the Implementation of Virtual Assistants for Education using Google Dialogflow
10:45-11:15	113	Alberto Reyes, Pablo H. Ibargüengoytia and Guillermo Santamaría	SPI: A Software Tool for Planning under Uncertainty Based on Learning Factored MDPs
11:15-11:45	140	Raúl Garduno, Monica Borunda, Miguel A. Hernandez and Gorka Zubeldia	Speed Control of a Wind Turbine using Fuzzy Logic
11:45-12:15	141	Omar Hernández Yáñez, Herón Molina Lozano and Ildar Batyrshin	Hardware Implementation of Karnik-Mendel Algorithm for Interval Type-2 Fuzzy Sets and Systems
12:15 - 12:30			Break

Parallel Session 30-2: Vision and Robotics 1

Building: USBI, Room: Videoconference 2

10:15-12:15

Session Chair: Gilberto Ochoa

*** If a talk is cancelled, other talks will be moved up.**

MICAI 2019
Wednesday, October 30

10:15-10:45	1	Jacobo E. Cruz-Silva, Jesús Y. Montiel-Pérez and Humberto ^[SEP] Sossa-Azuela	3-D Human Body Posture Reconstruction by Computer Vision
10:45-11:15	12	Renata Zottis Junges, Mauricio Braga de Paula and Marilton Sanchotene de Aguiar	Brazilian Traffic Signs Detection and Recognition in Videos Using ^[SEP] CLAHE, HOG Feature Extraction and SVM Cascade Classifier with ^[SEP] Temporal Coherence
11:15-11:45	14	Sebastián Salazar-Colores, Arquímedes Méndez-Molina, David Carrillo-López, Esau´ Escobar-Juárez, Eduardo F. Morales and L. Enrique Sucar	A Fast and Robust Deep Learning Approach for Hand Object Grasping Confirmation
11:45-12:15	28	Daniel S. Levkovits Scherer, Israel Cruz-Vega and José Martínez-Carranza	Real-time Monocular Vision-based UAV Obstacle Detection and ^[SEP] Collision Avoidance in GPS-denied Outdoor Environments using CNN MobileNet-SSD
12:15 – 12:30			Break

10:15-12:15	Parallel Session 30-3: Machine Learning 3		
	Building: Tlaqná, Room: Annexed Room		
	Session Chair: Hiram Ponce		
	* If a talk is cancelled, other talks will be moved up.		
10:15-10:45	38	Henrique Pereira Borges and Marilton Sanchotene de Aguiar	Mineral Classification using Machine Learning and Images of ^[SEP] Microscopic Rock Thin Section
10:45-11:15	124	Roberto Carlos Vazquez-Nava, Miguel Gonzalez-Mendoza, Oscar Herrera-Alcantara and Neil Hernandez-Gress	Early Anomalous Vehicular Traffic Detection through Spectral ^[SEP] Techniques and Unsupervised Learning Models
11:15-11:45	128	Yesenia Alejandro and Leon Palafox	Gentrification Prediction using Machine Learning
11:45-12:15	129	Manuel Mejia-Lavalle, Javier Ortiz, Alicia Martinez, Jose Paredes and Dante Mujica	Pulsed Neural Network plus Parallel Multi-core Approach to Solve ^[SEP] Efficiently Big Shortest Path Problems
12:15 – 12:30			Break

MICAI 2019
Wednesday, October 30

Parallel Session 30-4: Emotion Detection, Sentiment Analysis, and Opinion Mining

Building: USBI, Room: Videoconference 3

10:15-12:15

Session Chair: Alexander Gelbukh

*** If a talk is cancelled, other talks will be moved up.**

10:15-10:45	20	Sana Shams, Muhammad Aslam and Ana Maria Martinez-Enriquez	Lexical Intent Recognition in Urdu Queries using Deep Neural Networks
10:45-11:15	77	Daniel Palomino and José Ochoa-Luna	Advanced Transfer Learning Approach for Improving Spanish Sentiment Analysis
11:15-11:45	79	Diana-Margarita Córdova-Esparza, Juan Terven, Alejandro Romero and Ana Marcela Herrera-Navarro	Audio-visual Database for Spanish-based Speech Recognition Systems
11:45-12:15	2	Ivan Feliciano-Avelino, Miguel Á. Álvarez-Carmona, Hugo Jair Escalante, Manuel Montes-y-Gómez and Luis Villaseñor-Pineda	Cross-Cultural Image-based Author Profiling in Twitter
12:15 – 12:30			Break

12:30-14:00 Panel: Artificial Intelligence & Industry

Building: Tlaqná, Room: Annexed Room

14:00-14:15

Break

14:15-14:45

Book Presentation: "De la Inteligencia Artificial a la Ciencia de Datos, La resiliencia de Adolfo Guzmán Arenas", Carlos Vizcaíno. Presentación por Marco Antonio Ramírez

Building: Tlaqná, Room: Annexed Room

14:45-17:30

Free Time for Lunch

October 30, Wednesday Afternoon

MICAI 2019
Wednesday, October 30

**18:00-
20:00**

Academic activities / cultural program(Box lunch)

October 30, Wednesday Evening

**20:00-
23:00**

Conference Dinner