

# 16<sup>th</sup> Workshop on Intelligent Learning Environments

WILE 2023 is sponsored by REDICA and SMCC



Held in collaboration with  
22<sup>th</sup> Mexican International Conference on Artificial Intelligence

## WORKSHOP ON INTELLIGENT LEARNING ENVIRONMENTS, WILE 2023

TUESDAY NOVEMBER 14<sup>th</sup>, 2023

Centro Cultural Olimpo Room 2

Link to the virtual session can be find in [MICAI Web page](#)

TIME	ACTIVITY
10:00	Welcome and opening ceremony
10:10-10:50	<b>Keynote</b> <b>Recognizing learning styles and affect in intelligent learning environments.</b> Dr. Ramón Zatarain Cabada
10:50-11:20	<b>DinoApp, an Augmented Reality Application for learning about dinosaurs</b> Uriarte-Portillo, Aldo*; Sánchez-Zavala, Luis-Miguel; Zatarain-Cabada, Ramón; Barrón-Estrada, María Lucía ; Bátiz-Beltrán, Víctor Manuel
11:20-11:50	<b>Method to identify emotions in immersive virtual learning environments using head and hands spatial behavioral information</b> Velázquez-Cano, Jorge E*; González-Serna, Gabriel; Rivera-Rivera, Leonor; Valenzuela Robles, Blanca Dina; López, Máximo; González, Nimrod; Reyes-Ortiz, José A.
11:50-12:20	<b>Automated facial expression analysis for cognitive state prediction during an interaction with a digital interface</b> Toribio, Maricarmen*; González-Serna, Gabriel; Magadán-Salazar, Andrea; González, Nimrod; López, Máximo
12:20-12:50	<b>Can we take out CARLA from the Uncanny Valley? Analyzing avatar design of an educational conversational agent</b> Santamaría-Bonfil, Guillermo*; Macias-Hurtado, Pablo Issac; Lecona-Valdespino, Carlos Natanael; Marmolejo-Ramos, Fernando
12:50-13:20	<b>A New Approach for Counting and Identification of Students Sentiments in Online Virtual Environments Using Convolutional Neural Networks</b> Hernández-Aguilar, José Alberto*; Hernández, Yasmín; Rivera-Cruz, Lizmary; Bonilla-Robles, Juan Carlos
13:20-13:40	<b>School Dropout Prediction with class balancing and hyperparameter configuration</b> Cuevas-Chávez, P. Alejandra*; Narciso, Samuel I; Sánchez-Jiménez, Eduardo; Celerino-Pérez, Itzel G; Hernández, Yasmín; Ortiz-Hernández, Javier
13:40	Conclusions & Best Paper Award Announcement